# OUTDOOR LIGHTING 2024

ENGLISH / ESPAÑOL

FLOS
Outdoor

FLOS

Outdoor

The 2200K color temperature is available upon request for most of the products featured in this catalogue. Please consult us for availability in case you need more information for you lighting project.

La temperatura de color de 2200K está disponible bajo pedido para la mayoría de los productos incluidos en este catálogo. Consúltenos para disponibilidad en caso de que necesite más información para su proyecto de iluminación.

# Inground


**Landlord**

292

**A - Round**

480

**A - Rise**

490

**Gobi**

514

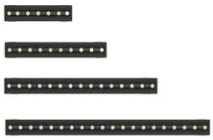
**C - Me**

536

# Linear


**Ingraze**

560



**Outgraze**

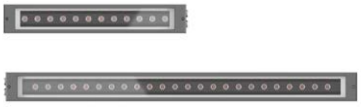
622

**Tau**

672

**Cielo**

684



# Spotlights


**Spine**

16

**Landlord**

292

**Belvedere**

348

**Heavy Metal**

440

**Kirk**

756

**Spock**

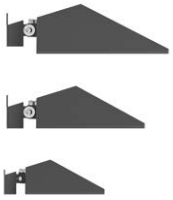
764

**Aimer**

776

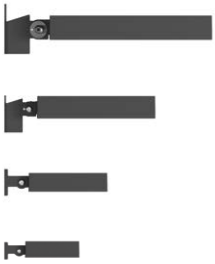
**Franco**

810



**Perseo**

832



# Table / Floor


**In Vitro Unplugged**

186

**Mayday Outdoor**

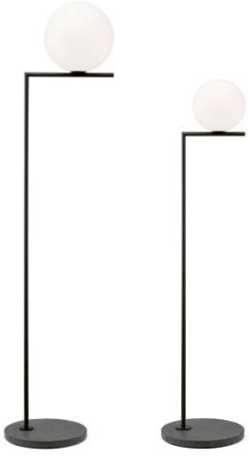
198

**Captain Flint**

240

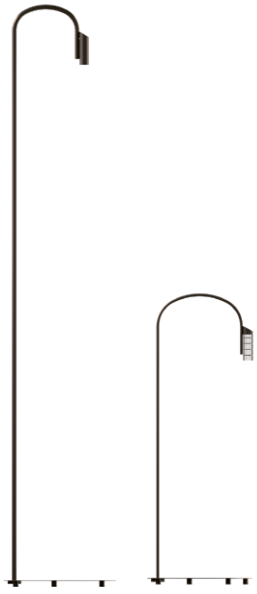
**IC Lights**

250



**Caule**

258



**K - Tribe**

285

# Table / Floor

**Superarchimoon**

285

# Bollard

**Pointbreak**

156

**In Vitro**

186

**Mile**

206

**Caule**

258

**Landlord**

292

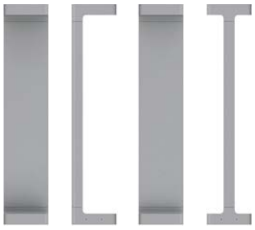
**Bellhop**

310

# Bollard


**Casting**

322



**Casting Concrete**

322

**Walkstick**

334

**Klein Pro**

360

**Zefiro**

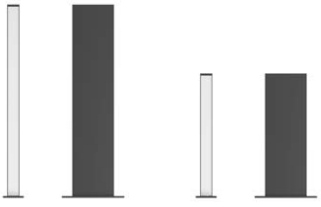
370

**I - Ron**

380

**Talia**

388

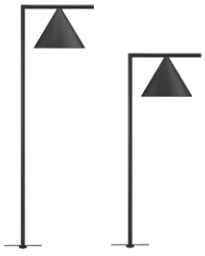


**Aimer 2 Pole**

776

**Captain Flint Bollard**

240



# Wall


**Pointbreak**

156

**In Vitro**

186

**Mile**

206

**Captain Flint**

240

**IC Lights**

250

**Flauta**

274

**Bellhop**

310

**Belvedere**

348

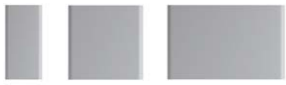
**Camouflage**

416



**Climber**

426



**Heavy Metal**

440

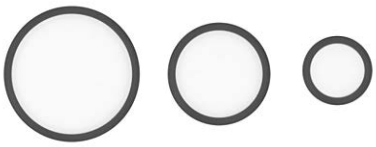
**Marco**

462

# Wall

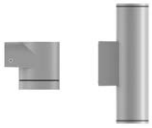
### Platter

716



### Emma Wall

728



### Dooku

856

# Graphic Light

### Fenestra

472

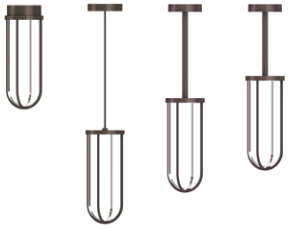
# Ceiling / Suspension


**Pointbreak**

156

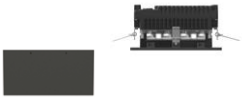
**In Vitro**

186



**Mile**

206



**IC Lights**

250

**Romeo**

285

**Leila**

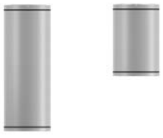
744

**Platter**

716

**Emma Ceiling**

728



# Path


**Mile**

206

**Wallstick**

334

**Real Matter**

398

**My Way**

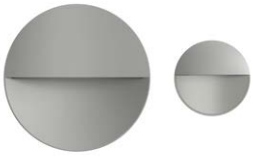
408

**Gobi**

514

**Eclipse**

696



**Hyperion**

706

# Pole / Pole Top

## Bellhop

310

## Franco

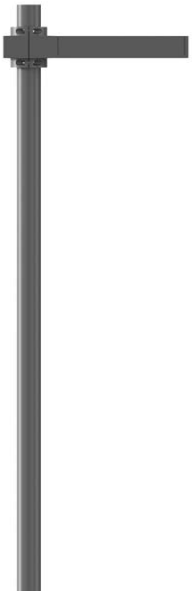
810

## Perseo

832

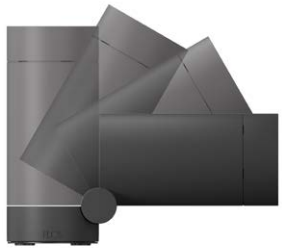
## Dooku

856



# Spine

Designed by Vincent Van Duysen

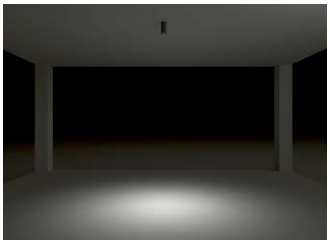


FREE TO MOVE
Spine means backbone, an image referenced in the joint of the lighting body, equipped with a graduated scale, which can be adjusted both horizontally and vertically by 360º and 270º respectively.

LIBERTAD DE MOVIMIENTO
Spine significa columna vertebral, una imagen plasmada en la articulación del cuerpo de la luminaria, dotada de una escala graduada que puede ajustarse horizontal y verticalmente a 360º y 270º respectivamente.

FUTURE PROOF
The top head has been designed with interchangeable frames to customize the fixture's performance thanks to dedicated optic accessories that can be mixed to fulfill the project requirements.

LISTA PARA EL FUTURO
El cabezal superior ha sido diseñado con marcos intercambiables para personalizar el rendimiento de la luminaria gracias a los accesorios ópticos dedicados que pueden combinarse para cumplir con los requisitos del proyecto.



UNCOMPARABLE VISUAL COMFORT
A revolution in outdoor accent lighting. The optical group has been designed with the end users in mind, so that the source remains hidden from view, achieving maximum visual comfort without sacrificing efficiency and compact dimensions.

UN CONFORT VISUAL SIN IGUAL
Una revolución en la iluminación de acento para exteriores. El grupo óptico ha sido diseñado pensando en los usuarios finales, para que la fuente quede oculta a la vista, logrando el máximo confort visual sin sacrificar la eficiencia y las dimensiones compactas.

CONNECTIONS HIDDEN FROM VIEW
The driver is integrated within the fixture's body making all connections hidden in the base.

CONEXIONES OCULTAS A LA VISTA
El driver está integrado en el cuerpo de la luminaria, lo que hace que todas las conexiones queden ocultas en la base.

## Family / Familia

### Spine 0 Pro

**Power Led**
up to 5W
up to 368 lm - 2700K/CRI 80
up to 377 lm - 3000K/CRI 80
up to 413 lm - 4000K/CRI 80
Net lumen output
2200K available on request.

### Spine 0 Ultra

**Power Led**
up to 5W
up to 368 lm - 2700K/CRI 80
up to 377 lm - 3000K/CRI 80
up to 413 lm - 4000K/CRI 80
Net lumen output
2200K available on request.

### Spine 1 Absolute

**CoB Led**
up to 11W
up to 923 lm - 2700K/CRI 80
up to 982 lm - 3000K/CRI 80
up to 1011 lm - 4000K/CRI 80
Net lumen output

### Spine 1 Pro

**Power Led**
up to 3,5W
up to 143 lm - 2700K/CRI 80
up to 149 lm - 3000K/CRI 80
up to 154 lm - 4000K/CRI 80
Net lumen output
2200K available on request.

**Power Led**
up to 7,9W
up to 550 lm - 2700K/CRI 80
up to 571 lm - 3000K/CRI 80
up to 591 lm - 4000K/CRI 80
Net lumen output
2200K available on request.

**Power Led HP**
HP up to 10,5W
HP up to 680 lm - 2700K/CRI 80
HP up to 706 lm - 3000K/CRI 80
HP up to 730 lm - 4000K/CRI 80
Net lumen output

### Spine 1 Ultra

**Power Led**
up to 3,5W
up to 143 lm - 2700K/CRI 80
up to 149 lm - 3000K/CRI 80
up to 154 lm - 4000K/CRI 80
Net lumen output
2200K available on request.

**Power Led**
up to 7,9W
up to 550 lm - 2700K/CRI 80
up to 571 lm - 3000K/CRI 80
up to 591 lm - 4000K/CRI 80
Net lumen output
2200K available on request.

**Power Led HP**
HP up to 10,5W
HP up to 680 lm - 2700K/CRI 80
HP up to 706 lm - 3000K/CRI 80
HP up to 730 lm - 4000K/CRI 80
Net lumen output

## Spine 2 Absolute

**CoB Led**
up to 19,5W
up to 1939 lm - 2700K/CRI 80
up to 2085 lm - 3000K/CRI 80
up to 2120 lm - 4000K/CRI 80
Net lumen output

## Spine 2 Pro

**Power Led**
up to 4,1W
up to 230 lm - 2700K/CRI 80
up to 239 lm - 3000K/CRI 80
up to 247 lm - 4000K/CRI 80
Net lumen output
2200K available on request.

**Power Led**
up to 10,5W
up to 769 lm - 2700K/CRI 80
up to 808 lm - 3000K/CRI 80
up to 846 lm - 4000K/CRI 80
Net lumen output

**Power Led HP**
HP up to 17W
HP up to 1443 lm - 2700K/CRI 80
HP up to 1497 lm - 3000K/CRI 80
HP up to 1548 lm - 4000K/CRI 80
Net lumen output
2200K available on request.

## Spine 2 Ultra

**Power Led**
up to 4,1W
up to 230 lm - 2700K/CRI 80
up to 239 lm - 3000K/CRI 80
up to 247 lm - 4000K/CRI 80
Net lumen output
2200K available on request.

**Power Led**
up to 10,5W
up to 769 lm - 2700K/CRI 80
up to 808 lm - 3000K/CRI 80
up to 846 lm - 4000K/CRI 80
Net lumen output

**Power Led HP**
HP up to 17W
HP up to 1443 lm - 2700K/CRI 80
HP up to 1497 lm - 3000K/CRI 80
HP up to 1548 lm - 4000K/CRI 80
Net lumen output
2200K available on request.

## Colours / Colores


01 White

06 Grey

12 Forest Green

18 Deep Brown

30 Black

33 Anthracite

Family of outdoor, professional and adjustable projectors designed by Vincent Van Duysen. The product is characterized by a minimalist and elegant design suitable for the most varied contexts, from residential to hotel environments.
Equipped with state-of-the-art LED sources, they are completed by several upmarket optical solutions.
The family consists of three models: ABSOLUTE, PRO and ULTRA. Each model is available in two sizes and powers, which guarantee the maximum versatility and respond appropriately to any requirement: from accent lighting with extra-thin light beams to lighting for wider surfaces. Spine is ready for ground, wall or ceiling installation, and a pole can be ordered separately.
Turned aluminum body and heat sink (EN AW 6060 alloy). Available in different finishes with a double layer coating and a chemical conversion surface treatment to guarantee high resistance to corrosion. Extra clear tempered glass diffuser with silkscreen border, fixed through a robotic gluing system.
The ABSOLUTE version is equipped with a high-performance LED COB light source and polymer reflectors, covered in pure aluminum for two beam angles.
The PRO and ULTRA versions are equipped with a state-of-the-art LED SMD. The optical unit is integrated in the rear part, which guarantees an absolute visual comfort thanks to the use of customized lenses, as well as high lighting performances. The possibility of inserting collimators in the optical compartment that are designed to modify the beam angle—from punctual, medium and large symmetric beams to asymmetric and elliptical beams—guarantee an extreme flexibility to meet any lighting requirement.
To fully control the light beam, the ULTRA versions are equipped with an integrated supplied snoot and allow the insertion of numerous accessories such as the honeycomb and visor.
The exact dimming of the emitting unit is guaranteed by the joint with a graduated reference scale printed on it, which ensures an orientation of 270° on the vertical axis. The high mechanical resistance technopolymer fixing plate allows 360° orientation on the horizontal axis, thus allowing the light beam to be directed according to individual requirements.
The electrical connections are made on the base by means of a watertight connector included. Version including a bollard as an accessory, equipped with a neoprene cable for remote electrical connection.
The family is completed by a series of accessories for solid surface and mast installation.

Familia de proyectores para exteriores, profesionales y orientables, diseñados por Vincent Van Duysen. El producto se caracteriza por un diseño minimalista y elegante que se presta para los más variados contextos, desde el residencial al hotelero.
Equipados con fuentes LED de última generación, se completan con múltiples soluciones ópticas de alta gama.
La familia se compone de tres modelos: ABSOLUTE, PRO y ULTRA. Cada uno está disponible en dos dimensiones y potencias, garantizando de esta manera la máxima versatilidad y respondiendo adecuadamente a cualquier exigencia: desde la iluminación de acento con haces de luz extrafinos hasta aquella para superficies más extensas. Spine está preparada para instalarse en techo, pared y suelo con poste que hay que pedir por separado
Cuerpo y disipador de calor en aluminio torneado (aleación EN AW 6060). Disponible en diferentes acabados, con recubrimiento de polvo de doble capa y tratamiento superficial de conversión química para garantizar una elevada resistencia ante la corrosión. Difusor en vidrio templado extraclaro con borde serigrafiado, fijado mediante un sistema de encolado robótico.
La versión ABSOLUTE está equipada con LED COB de alto rendimiento y reflectores en polímero, recubiertos con aluminio puro para dos aperturas de haz.
Las versiones PRO y ULTRA están equipadas con LED SMD de última generación. El grupo óptico está integrado en la parte posterior garantizando un confort visual extremo gracias al uso de lentes personalizadas a la vez que unas prestaciones luminotécnicas elevadas. La posibilidad de insertar en el vano óptico colimadores que están pensados para modificar la apertura del haz —de haces simétricos puntual, medio y ancho a haces asimétricos y elípticos— garantiza una flexibilidad extrema para responder a cualquier exigencia luminotécnica.
Para controlar completamente el haz lumínico, las versiones ULTRA tienen *snoot* integrado en dotación y permiten insertar numerosos accesorios como, por ejemplo, *honeycomb* y visor.
La regulación exacta de la unidad emisora está garantizada por la junta con una escala de referencia graduada impresa en ella, que asegura una orientación de 270º en el eje vertical. Por su parte, la placa de fijación en tecnopolímero de alta resistencia mecánica permite una orientación de 360º en el eje horizontal y, de esa manera, orientar el haz de luz según las exigencias de cada uno. Las conexiones eléctricas se realizan en la base mediante un conector estanco incluido. Versión que incluye pasador como accesorio, dotada de una sección de cable en neopreno para conexión eléctrica remota.
La familia se completa con una serie de accesorios para la instalación en superficies sólidas y palos.

| | SPINE ABSOLUTE | |
|---|---|---|
| | SPINE 1 ABSOLUTE | SPINE 2 ABSOLUTE |
| MODEL | | |
| SIZE | ø70 | ø90 |
| LIGHT BEAM | Spot | Spot |
| | Medium Flood | Medium Flood |
| | | |
| | | |
| | | |
| | | |
| | | |
| POWER | 11W | 19,5W |
| FLUX 4000K | Up to 1011 lm | Up to 2120 lm |
| CCT | 2700K | |
| | 3000K | |
| | 4000K | |
| CRI | 80 | |
| CONTROL | on-off 230V | on-off 230V |
| | DALI * | DALI 230V |
| | 1-10V * | 1-10V 230V |
| OPTICAL ACC. | • Honeycomb louvre | |
| **MOUNTING OPTIONS | Ground Spike | |
| | Rod | |
| | L Bracket | |
| | Pole | |

| | SPINE PRO | | | | | | |
|---|---|---|---|---|---|---|---|
| | SPINE 0 PRO | SPINE 1 PRO | | SPINE 1 PRO HP | SPINE 2 PRO | | SPINE 2 PRO HP |
| MODEL | | | | | | | |
| SIZE | ø50 | ø70 | | ø70 | ø90 | | ø90 |
| LIGHT BEAM | Spot | Narrow Spot | Spot | Spot | Narrow Spot | Spot | Spot |
| | Medium Flood | | Medium Flood | Medium Flood | | Medium Flood | Medium Flood |
| | Flood | | Flood | Flood | | Flood | Flood |
| | Wide Flood | | Wide Flood | Wide Flood | | Wide Flood | Wide Flood |
| | Elliptical 1 | | Elliptical 1 | Elliptical 1 | | Elliptical 1 | Elliptical 1 |
| | Elliptical 2 | | Elliptical 2 | Elliptical 2 | | Elliptical 2 | Elliptical 2 |
| | Wall Washer | | Wall Washer | Wall Washer | | Wall Washer | Wall Washer |
| POWER | 5W | 3,5W | 7,9W | 10,5W | 4,1W | 10,5W | 17W |
| FLUX 4000K | Up to 413 lm | Up to 154 lm | Up to 591 lm | Up to 730 lm | Up to 247 lm | Up to 846 lm | Up to 1548 lm |
| CCT | | 2200K * | | | | | 2200K * |
| | 2700K | 2700K | | | | | 2700K |
| | 3000K | 3000K | | | | | 3000K |
| | 4000K | 4000K | | | | | 4000K |
| CRI | 80 | 80 | | | | | 80 |
| CONTROL | on-off 230V | on-off 230V | | | on-off 230V | | on-off 230V |
| | DALI * | DALI * | | | DALI 230V | | DALI 230V |
| | | 1-10V * | | | 1-10V 230V | | 1-10V 230V |
| OPTICAL ACC. | • Honeycomb louvre<br>• Converter lens (medium flood/flood/ wide flood/elliptical 1/ elliptical 2/wall washer) | • Honeycomb louvre | | • Honeycomb louvre<br>• Converter lens (medium flood/flood/wide flood/ elliptical 1/ elliptical 2/wall washer) | | | |
| **MOUNTING OPTIONS | Ground Spike | Ground Spike | | | | | Ground Spike |
| | Rod | Rod | | | | | Rod |
| | | L Bracket | | | | | L Bracket |
| | Pole | Pole | | | | | Pole |

| | SPINE ULTRA | | | | | | |
|---|---|---|---|---|---|---|---|
| | SPINE 0 ULTRA | SPINE 1 ULTRA | | SPINE 1 ULTRA HP | SPINE 2 ULTRA | | SPINE 2 ULTRA HP |
| MODEL | | | | | | | |
| SIZE | ø50 | ø70 | | ø70 | ø90 | | ø90 |
| LIGHT BEAM | Spot | Narrow Spot | Spot | Spot | Narrow Spot | Spot | Spot |
| | Medium Flood | | Medium Flood | Medium Flood | | Medium Flood | Medium Flood |
| | Flood | | Flood | Flood | | Flood | Flood |
| | Wide Flood | | Wide Flood | Wide Flood | | Wide Flood | Wide Flood |
| | Elliptical 1 | | Elliptical 1 | Elliptical 1 | | Elliptical 1 | Elliptical 1 |
| | Elliptical 2 | | Elliptical 2 | Elliptical 2 | | Elliptical 2 | Elliptical 2 |
| | Wall Washer | | Wall Washer | Wall Washer | | Wall Washer | Wall Washer |
| POWER | 5W | 3,5W | 7,9W | 10,5W | 4,1W | 10,5W | 17W |
| FLUX 4000K | Up to 413 lm | Up to 154 lm | Up to 591 lm | Up to 730 lm | Up to 247 lm | Up to 846 lm | Up to 1548 lm |
| CCT | | 2200K * | | | | | |
| | 2700K | 2700K | | | | | |
| | 3000K | 3000K | | | | | |
| | 4000K | 4000K | | | | | |
| CRI | 80 | 80 | | | | | |
| CONTROL | on-off 230V | on-off 230V | | | on-off 230V | | |
| | DALI * | DALI * | | | DALI 230V | | |
| | | 1-10V * | | | 1-10V 230V | | |
| OPTICAL ACC. | • Honeycomb louvre<br>• Converter lens (medium flood/flood/wide flood/elliptical 1/ elliptical 2/wall washer)<br>• Visor | | | | | | |
| **MOUNTING OPTIONS | Ground Spike | Ground Spike | | | | | |
| | Rod | Rod | | | | | |
| | | L Bracket | | | | | |
| | Pole | Pole | | | | | |

* On demand / Bajo pedido
** See next page / Ver página siguiente

**Spine**

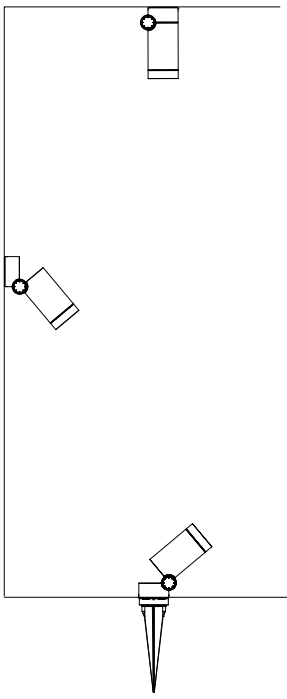
**Ø70 / Ø90**

Absolute / Pro / Ultra

**Ø50**

Pro / Ultra

+



**Spine F**

**Ø70 / Ø90**

Absolute / Pro / Ultra

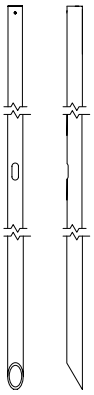
**Ø50**

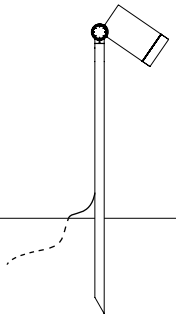
Pro / Ultra

Neoprene output cable for remote electrical connection.

Sección de cable en neopreno de 5m (10m bajo pedido) para conexión remota.

+





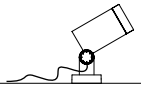
**Spine L**

**Ø70 / Ø90**

Absolute / Pro / Ultra

Neoprene output cable for remote electrical connection.

Sección de cable en neopreno de 5m (10m bajo pedido) para conexión remota.



**Spine T**

**Ø70 / Ø90**

Absolute / Pro / Ultra

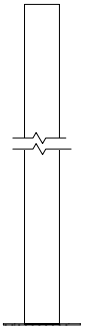
**Ø50**

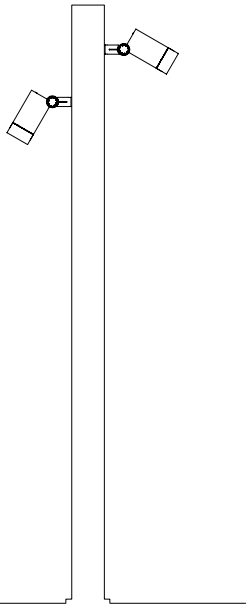
Pro / Ultra

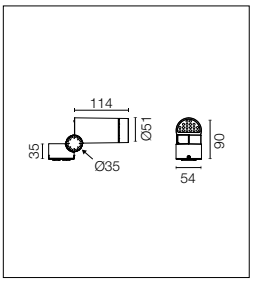
Neoprene output cable for remote electrical connection.

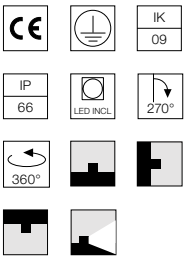
Sección de cable en neopreno de 5m (10m bajo pedido) para conexión remota.

+








Power LED source included. Equipped with an integrated snoot for higher visual comfort. Collimators are available as an accessory to modify the beam opening. Integrated electric power supply 220-240V ON/OFF. Fixing plate included. The electrical connection is made on the inside of the plate by means of a watertight connector included. To guarantee its water tightness, it is recommended to use flexible cables designed for outdoor use. Ground spike for ground installations to be ordered separately.

2200K available on request.

DALI dimmable version available on request.

Fuente Power LED incluida. Equipada con snoot integrado para un confort visual mayor. Los colimadores son un accesorio disponible para modificar la apertura del haz lumínico. Fuente de alimentación eléctrica 220-240V ON/OFF integrada. Plaqueta de anclaje incluida. La conexión eléctrica se realiza en el interior de la plaqueta mediante conector estanco incluido. Para garantizar la estanqueidad se aconseja emplear cables flexibles para exteriores. Clavo metálico para la instalación en suelos, a pedir por separado.

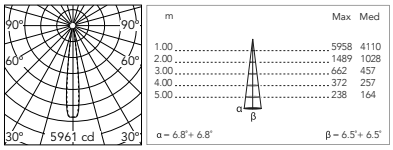
2200K disponible bajo pedido.

Versión regulable Dali disponible bajo pedido.

### Optic Spot 14º

**Power Led:** 5W - 481 lm ≠ FIXT 368 lm - 2700K/CRI 80 - 220-240V / 5W - 493 lm ≠ FIXT 377 lm - 3000K/CRI 80 - 220-240V / 5W - 540 lm ≠ FIXT 413 lm - 4000K/CRI 80 - 220-240V

| 2700K | 3000K | 4000K |
|---|---|---|
| Non Dimmable | Non Dimmable | Non Dimmable |
| ○ F027D2BA001 | ○ F027D3BA001 | ○ F027D4BA001 |
| ● F027D2BA006 | ● F027D3BA006 | ● F027D4BA006 |
| ● F027D2BA012 | ● F027D3BA012 | ● F027D4BA012 |
| ● F027D2BA018 | ● F027D3BA018 | ● F027D4BA018 |
| ● F027D2BA030 | ● F027D3BA030 | ● F027D4BA030 |
| ● F027D2BA033 | ● F027D3BA033 | ● F027D4BA033 |

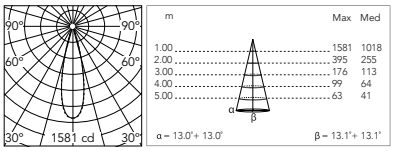



@ 3000K

### Optic Medium Flood 26º

**Power Led:** 5W - 481 lm ≠ FIXT 337 lm - 2700K/CRI 80 - 220-240V / 5W - 493 lm ≠ FIXT 346 lm - 3000K/CRI 80 - 220-240V / 5W - 540 lm ≠ FIXT 378 lm - 4000K/CRI 80 - 220-240V

| 2700K | 3000K | 4000K |
|---|---|---|
| Non Dimmable | Non Dimmable | Non Dimmable |
| ○ F027D2CA001 | ○ F027D3CA001 | ○ F027D4CA001 |
| ● F027D2CA006 | ● F027D3CA006 | ● F027D4CA006 |
| ● F027D2CA012 | ● F027D3CA012 | ● F027D4CA012 |
| ● F027D2CA018 | ● F027D3CA018 | ● F027D4CA018 |
| ● F027D2CA030 | ● F027D3CA030 | ● F027D4CA030 |
| ● F027D2CA033 | ● F027D3CA033 | ● F027D4CA033 |

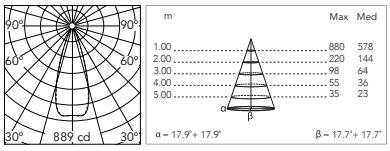



@ 3000K

### Optic Flood 36º

**Power Led:** 5W - 481 lm ≠ FIXT 332 lm - 2700K/CRI 80 - 220-240V / 5W - 493 lm ≠ FIXT 340 lm - 3000K/CRI 80 - 220-240V / 5W - 540 lm ≠ FIXT 373 lm - 4000K/CRI 80 - 220-240V

| 2700K | 3000K | 4000K |
|---|---|---|
| Non Dimmable | Non Dimmable | Non Dimmable |
| ○ F027D2DA001 | ○ F027D3DA001 | ○ F027D4DA001 |
| ● F027D2DA006 | ● F027D3DA006 | ● F027D4DA006 |
| ● F027D2DA012 | ● F027D3DA012 | ● F027D4DA012 |
| ● F027D2DA018 | ● F027D3DA018 | ● F027D4DA018 |
| ● F027D2DA030 | ● F027D3DA030 | ● F027D4DA030 |
| ● F027D2DA033 | ● F027D3DA033 | ● F027D4DA033 |

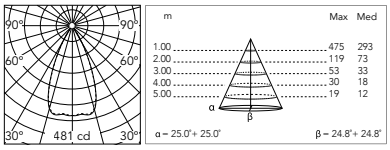



@ 3000K

### Optic Wide Flood 50º

**Power Led:** 5W - 481 lm ≠ FIXT 324 lm - 2700K/CRI 80 - 220-240V / 5W - 493 lm ≠ FIXT 332 lm - 3000K/CRI 80 - 220-240V / 5W - 540 lm ≠ FIXT 363 lm - 4000K/CRI 80 - 220-240V

| 2700K | 3000K | 4000K |
|---|---|---|
| Non Dimmable | Non Dimmable | Non Dimmable |
| ○ F027D2EA001 | ○ F027D3EA001 | ○ F027D4EA001 |
| ● F027D2EA006 | ● F027D3EA006 | ● F027D4EA006 |
| ● F027D2EA012 | ● F027D3EA012 | ● F027D4EA012 |
| ● F027D2EA018 | ● F027D3EA018 | ● F027D4EA018 |
| ● F027D2EA030 | ● F027D3EA030 | ● F027D4EA030 |
| ● F027D2EA033 | ● F027D3EA033 | ● F027D4EA033 |

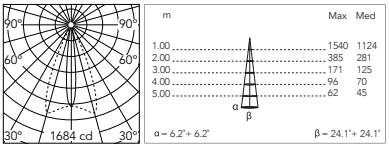



@ 3000K

### Optic Elliptical 1 12º x 50º

**Power Led:** 5W - 481 lm ≠ FIXT 342 lm - 2700K/CRI 80 - 220-240V / 5W - 493 lm ≠ FIXT 350 lm - 3000K/CRI 80 - 220-240V / 5W - 540 lm ≠ FIXT 383 lm - 4000K/CRI 80 - 220-240V

| 2700K | 3000K | 4000K |
|---|---|---|
| Non Dimmable | Non Dimmable | Non Dimmable |
| F027D2FA001 | F027D3FA001 | F027D4FA001 |
| F027D2FA006 | F027D3FA006 | F027D4FA006 |
| F027D2FA012 | F027D3FA012 | F027D4FA012 |
| F027D2FA018 | F027D3FA018 | F027D4FA018 |
| F027D2FA030 | F027D3FA030 | F027D4FA030 |
| F027D2FA033 | F027D3FA033 | F027D4FA033 |

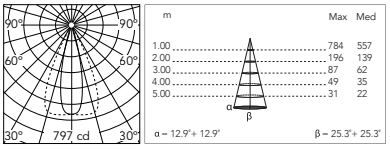



@ 3000K

### Optic Elliptical 2 26º x 51º

**Power Led:** 5W - 481 lm ≠ FIXT 334 lm - 2700K/CRI 80 - 220-240V / 5W - 493 lm ≠ FIXT 342 lm - 3000K/CRI 80 - 220-240V / 5W - 540 lm ≠ FIXT 375 lm - 4000K/CRI 80 - 220-240V

| 2700K | 3000K | 4000K |
|---|---|---|
| Non Dimmable | Non Dimmable | Non Dimmable |
| F027D2GA001 | F027D3GA001 | F027D4GA001 |
| F027D2GA006 | F027D3GA006 | F027D4GA006 |
| F027D2GA012 | F027D3GA012 | F027D4GA012 |
| F027D2GA018 | F027D3GA018 | F027D4GA018 |
| F027D2GA030 | F027D3GA030 | F027D4GA030 |
| F027D2GA033 | F027D3GA033 | F027D4GA033 |

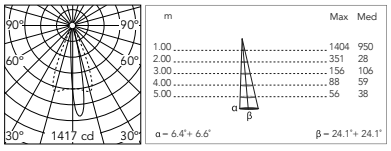



@ 3000K

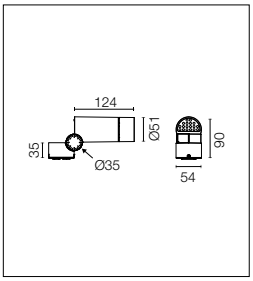
### Optic Wall Washer

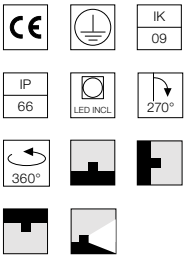
**Power Led:** 5W - 481 lm ≠ FIXT 321 lm - 2700K/CRI 80 - 220-240V / 5W - 493 lm ≠ FIXT 329 lm - 3000K/CRI 80 - 220-240V / 5W - 540 lm ≠ FIXT 360 lm - 4000K/CRI 80 - 220-240V

| 2700K | 3000K | 4000K |
|---|---|---|
| Non Dimmable | Non Dimmable | Non Dimmable |
| F027D2HA001 | F027D3HA001 | F027D4HA001 |
| F027D2HA006 | F027D3HA006 | F027D4HA006 |
| F027D2HA012 | F027D3HA012 | F027D4HA012 |
| F027D2HA018 | F027D3HA018 | F027D4HA018 |
| F027D2HA030 | F027D3HA030 | F027D4HA030 |
| F027D2HA033 | F027D3HA033 | F027D4HA033 |




@ 3000K




Power LED source included. Equipped with an integrated snoot for higher visual comfort. Collimators are available as an accessory to modify the beam opening. Integrated electric power supply 220-240V ON/OFF. Fixing plate included. The electrical connection is made on the inside of the plate by means of a watertight connector included. To guarantee its water tightness, it is recommended to use flexible cables designed for outdoor use. Ground spike for ground installations to be ordered separately.

2200K available on request.

DALI dimmable version available on request.

Fuente Power LED incluida. Equipada con snoot integrado para un confort visual mayor. Los colimadores son un accesorio disponible para modificar la apertura del haz lumínico. Fuente de alimentación eléctrica 220-240V ON/OFF integrada. Plaqueta de anclaje incluida. La conexión eléctrica se realiza en el interior de la plaqueta mediante conector estanco incluido. Para garantizar la estanqueidad se aconseja emplear cables flexibles para exteriores. Clavo metálico para la instalación en suelos, a pedir por separado.

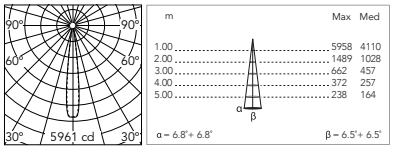
2200K disponible bajo pedido.

Versión regulable Dali disponible bajo pedido.

### Optic Spot 14º

**Power Led:** 5W - 481 lm ≠ FIXT 368 lm - 2700K/CRI 80 - 220-240V / 5W - 493 lm ≠ FIXT 377 lm - 3000K/CRI 80 - 220-240V / 5W - 540 lm ≠ FIXT 413 lm - 4000K/CRI 80 - 220-240V

| 2700K | 3000K | 4000K |
|---|---|---|
| Non Dimmable | Non Dimmable | Non Dimmable |
| F027B2BA001 | F027B3BA001 | F027B4BA001 |
| F027B2BA006 | F027B3BA006 | F027B4BA006 |
| F027B2BA012 | F027B3BA012 | F027B4BA012 |
| F027B2BA018 | F027B3BA018 | F027B4BA018 |
| F027B2BA030 | F027B3BA030 | F027B4BA030 |
| F027B2BA033 | F027B3BA033 | F027B4BA033 |

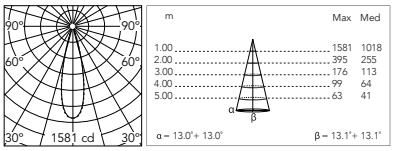



@ 3000K

### Optic Medium Flood 26º

**Power Led:** 5W - 481 lm ≠ FIXT 337 lm - 2700K/CRI 80 - 220-240V / 5W - 493 lm ≠ FIXT 346 lm - 3000K/CRI 80 - 220-240V / 5W - 540 lm ≠ FIXT 378 lm - 4000K/CRI 80 - 220-240V

| 2700K | 3000K | 4000K |
|---|---|---|
| Non Dimmable | Non Dimmable | Non Dimmable |
| F027B2CA001 | F027B3CA001 | F027B4CA001 |
| F027B2CA006 | F027B3CA006 | F027B4CA006 |
| F027B2CA012 | F027B3CA012 | F027B4CA012 |
| F027B2CA018 | F027B3CA018 | F027B4CA018 |
| F027B2CA030 | F027B3CA030 | F027B4CA030 |
| F027B2CA033 | F027B3CA033 | F027B4CA033 |

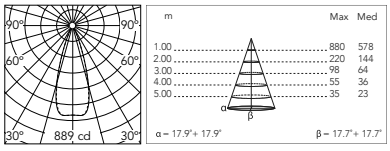



@ 3000K

### Optic Flood 36º

**Power Led:** 5W - 481 lm ≠ FIXT 332 lm - 2700K/CRI 80 - 220-240V / 5W - 493 lm ≠ FIXT 340 lm - 3000K/CRI 80 - 220-240V / 5W - 540 lm ≠ FIXT 373 lm - 4000K/CRI 80 - 220-240V

| 2700K | 3000K | 4000K |
|---|---|---|
| Non Dimmable | Non Dimmable | Non Dimmable |
| F027B2DA001 | F027B3DA001 | F027B4DA001 |
| F027B2DA006 | F027B3DA006 | F027B4DA006 |
| F027B2DA012 | F027B3DA012 | F027B4DA012 |
| F027B2DA018 | F027B3DA018 | F027B4DA018 |
| F027B2DA030 | F027B3DA030 | F027B4DA030 |
| F027B2DA033 | F027B3DA033 | F027B4DA033 |

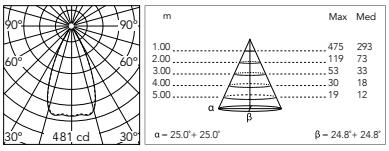



@ 3000K

### Optic Wide Flood 50º

**Power Led:** 5W - 481 lm ≠ FIXT 324 lm - 2700K/CRI 80 - 220-240V / 5W - 493 lm ≠ FIXT 332 lm - 3000K/CRI 80 - 220-240V / 5W - 540 lm ≠ FIXT 363 lm - 4000K/CRI 80 - 220-240V

| 2700K | 3000K | 4000K |
|---|---|---|
| Non Dimmable | Non Dimmable | Non Dimmable |
| F027B2EA001 | F027B3EA001 | F027B4EA001 |
| F027B2EA006 | F027B3EA006 | F027B4EA006 |
| F027B2EA012 | F027B3EA012 | F027B4EA012 |
| F027B2EA018 | F027B3EA018 | F027B4EA018 |
| F027B2EA030 | F027B3EA030 | F027B4EA030 |
| F027B2EA033 | F027B3EA033 | F027B4EA033 |

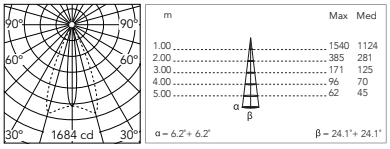



@ 3000K

### Optic Elliptical 1 12º x 50º

**Power Led:** 5W - 481 lm ≠ FIXT 342 lm - 2700K/CRI 80 - 220-240V / 5W - 493 lm ≠ FIXT 350 lm - 3000K/CRI 80 - 220-240V / 5W - 540 lm ≠ FIXT 383 lm - 4000K/CRI 80 - 220-240V

| 2700K | 3000K | 4000K |
|---|---|---|
| Non Dimmable | Non Dimmable | Non Dimmable |
| ○ F027B2FA001 | ○ F027B3FA001 | ○ F027B4FA001 |
| ● F027B2FA006 | ● F027B3FA006 | ● F027B4FA006 |
| ● F027B2FA012 | ● F027B3FA012 | ● F027B4FA012 |
| ● F027B2FA018 | ● F027B3FA018 | ● F027B4FA018 |
| ● F027B2FA030 | ● F027B3FA030 | ● F027B4FA030 |
| ● F027B2FA033 | ● F027B3FA033 | ● F027B4FA033 |

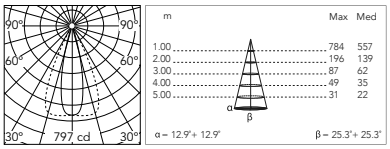



@ 3000K

### Optic Elliptical 2 26º x 51º

**Power Led:** 5W - 481 lm ≠ FIXT 334 lm - 2700K/CRI 80 - 220-240V / 5W - 493 lm ≠ FIXT 342 lm - 3000K/CRI 80 - 220-240V / 5W - 540 lm ≠ FIXT 375 lm - 4000K/CRI 80 - 220-240V

| 2700K | 3000K | 4000K |
|---|---|---|
| Non Dimmable | Non Dimmable | Non Dimmable |
| ○ F027B2GA001 | ○ F027B3GA001 | ○ F027B4GA001 |
| ● F027B2GA006 | ● F027B3GA006 | ● F027B4GA006 |
| ● F027B2GA012 | ● F027B3GA012 | ● F027B4GA012 |
| ● F027B2GA018 | ● F027B3GA018 | ● F027B4GA018 |
| ● F027B2GA030 | ● F027B3GA030 | ● F027B4GA030 |
| ● F027B2GA033 | ● F027B3GA033 | ● F027B4GA033 |

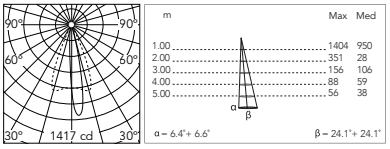



@ 3000K

### Optic Wall Washer

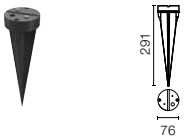
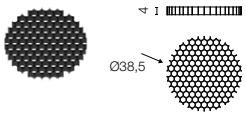
**Power Led:** 5W - 481 lm ≠ FIXT 321 lm - 2700K/CRI 80 - 220-240V / 5W - 493 lm ≠ FIXT 329 lm - 3000K/CRI 80 - 220-240V / 5W - 540 lm ≠ FIXT 360 lm - 4000K/CRI 80 - 220-240V

| 2700K | 3000K | 4000K |
|---|---|---|
| Non Dimmable | Non Dimmable | Non Dimmable |
| ○ F027B2HA001 | ○ F027B3HA001 | ○ F027B4HA001 |
| ● F027B2HA006 | ● F027B3HA006 | ● F027B4HA006 |
| ● F027B2HA012 | ● F027B3HA012 | ● F027B4HA012 |
| ● F027B2HA018 | ● F027B3HA018 | ● F027B4HA018 |
| ● F027B2HA030 | ● F027B3HA030 | ● F027B4HA030 |
| ● F027B2HA033 | ● F027B3HA033 | ● F027B4HA033 |



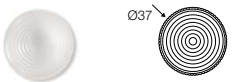

@ 3000K

## Spine 0 Pro: Accessories / Accesorios

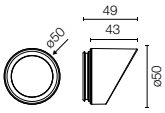
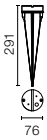
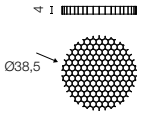
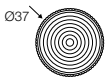
| | | | |
|---|---|---|---|
| Ground spike. | Clavo metálico para instalación en suelo. | F026Z010000 |   |
| Honeycomb | Honeycomb Louvre | F027Z060000 |   |

Converter lenses / Llentes de conversión:

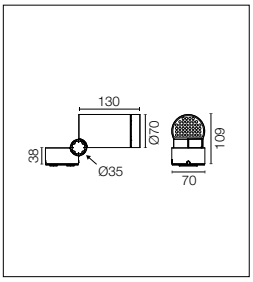
| | |
|---|---|
| - Converter Spine 1 Optic Medium Flood | F029Z010000 |
| - Converter Spine 1 Optic Flood | F029Z011000 |
| - Converter Spine 1 Optic Wide Flood | F029Z012000 |
| - Converter Spine 1 Optic Elliptic 1 | F029Z013000 |
| - Converter Spine 1 Optic Elliptic 2 | F029Z014000 |
| - Converter Spine 1 Optic Wall Washer | F029Z015000 |

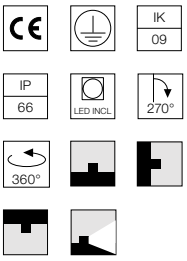


## Spine 0 Ultra: Accessories / Accesorios

| | | | | |
|---|---|---|---|---|
| Visor | Visor | ○ F027Z050001<br>● F027Z050006<br>● F027Z050012<br>● F027Z050018<br>● F027Z050030<br>● F027Z050033 | |  |
| Ground spike. | Clavo metálico para instalación en suelo. | F026Z010000 | |  |
| Honeycomb | Honeycomb Louvre | F027Z060000 | |  |
| Converter lenses / Llentes de conversión: | | | | |
| - Converter Spine 1 Optic Medium Flood | | F029Z010000 | |  |
| - Converter Spine 1 Optic Flood | | F029Z011000 | | |
| - Converter Spine 1 Optic Wide Flood | | F029Z012000 | | |
| - Converter Spine 1 Optic Elliptic 1 | | F029Z013000 | | |
| - Converter Spine 1 Optic Elliptic 2 | | F029Z014000 | | |
| - Converter Spine 1 Optic Wall Washer | | F029Z015000 | | |

## Spine 1 Absolute



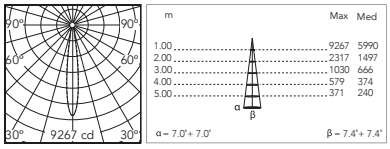

LED COB light source included. Integrated electric power supply 220-240V ON/OFF. Fixing plate included. The electrical connection is made on the inside of the plate by means of a watertight connector included. To guarantee its water tightness, it is recommended to use flexible cables designed for outdoor use. Ground spike for ground installations to be ordered separately.
Upon request: 1-10V or DALI dimmable version with 24Vdc remote power supply.

Fuente LED COB incluida. Fuente de alimentación eléctrica 220-240V ON/OFF integrada. Plaqueta de anclaje incluida. La conexión eléctrica se realiza en el interior de la plaqueta mediante conector estanco incluido. Para garantizar la estanqueidad se aconseja emplear cables flexibles para exteriores. Clavo metálico para la instalación en suelos, a pedir por separado.
Bajo petición, versión regulable 1-10V o DALI con fuente de alimentación remota 24Vdc.

**Optic Spot 15º**

**CoB Led:** 11W - 1247 lm ≠ FIXT 923 lm - 2700K/CRI 80 - 220-240V / 11W - 1325 lm ≠ FIXT 982 lm - 3000K/CRI 80 - 220-240V / 11W - 1364 lm ≠ FIXT 1011 lm - 4000K/CRI 80 - 220-240V

| 2700K | 3000K | 4000K |
|---|---|---|
| Non Dimmable | Non Dimmable | Non Dimmable |
| F025A2BA001 | F025A3BA001 | F025A4BA001 |
| F025A2BA006 | F025A3BA006 | F025A4BA006 |
| F025A2BA012 | F025A3BA012 | F025A4BA012 |
| F025A2BA018 | F025A3BA018 | F025A4BA018 |
| F025A2BA030 | F025A3BA030 | F025A4BA030 |
| F025A2BA033 | F025A3BA033 | F025A4BA033 |

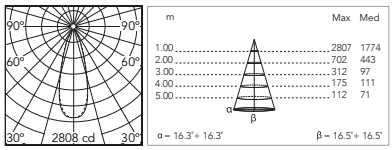



@ 3000K

**Optic Medium Flood 33º**

**CoB Led:** 11W - 1247 lm ≠ FIXT 906 lm - 2700K/CRI 80 - 220-240V / 11W - 1325 lm ≠ FIXT 964 lm - 3000K/CRI 80 - 220-240V / 11W - 1364 lm ≠ FIXT 993 lm - 4000K/CRI 80 - 220-240V

| 2700K | 3000K | 4000K |
|---|---|---|
| Non Dimmable | Non Dimmable | Non Dimmable |
| F025A2CA001 | F025A3CA001 | F025A4CA001 |
| F025A2CA006 | F025A3CA006 | F025A4CA006 |
| F025A2CA012 | F025A3CA012 | F025A4CA012 |
| F025A2CA018 | F025A3CA018 | F025A4CA018 |
| F025A2CA030 | F025A3CA030 | F025A4CA030 |
| F025A2CA033 | F025A3CA033 | F025A4CA033 |

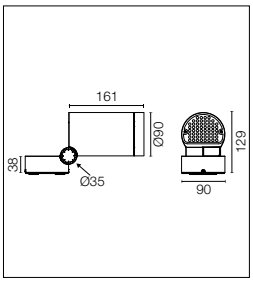


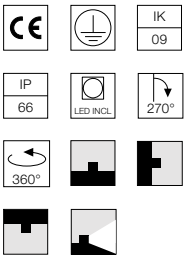

@ 3000K

## Spine 1 Absolute: Accessories / Accesorios

| | | | |
|---|---|---|---|
| Ground spike. | Clavo metálico para instalación en suelo. | F026Z010000 | |
| Honeycomb | Honeycomb Louvre | F025Z060000 | |

## Spine 2 Absolute




LED COB light source included. Integrated electric power supply 220-240V ON/OFF and adjustable 1-10V or DALI. Fixing plate included. The electrical connection is made on the inside of the plate by means of a watertight connector included. To guarantee its water tightness, it is recommended to use flexible cables designed for outdoor use. Ground spike for ground installations to be ordered separately.

Fuente LED COB incluida. Fuente de alimentación eléctrica 220-240V ON/OFF y regulable 1-10V o DALI integrada. Plaqueta de anclaje incluida. La conexión eléctrica se realiza en el interior de la plaqueta mediante conector estanco incluido. Para garantizar la estanqueidad se aconseja emplear cables flexibles para exteriores. Clavo metálico para la instalación en suelos, a pedir por separado.

### Optic Spot 22º

**CoB Led:** 19,5W - 2197 lm ≠ FIXT 1939 lm - 2700K/CRI 80 - 220-240V / 19,5W - 2367 lm ≠ FIXT 2085 lm - 3000K/CRI 80 - 220-240V / 19,5W - 2497 lm ≠ FIXT 2120 lm - 4000K/CRI 80 - 220-240V

**2700K**
Non Dimmable
- F026A2BA001.A
- F026A2BA006.A
- F026A2BA012.A
- F026A2BA018.A
- F026A2BA030.A
- F026A2BA033.A

1-10V
- F026A2BB001.A
- F026A2BB006.A
- F026A2BB012.A
- F026A2BB018.A
- F026A2BB030.A
- F026A2BB033.A

Dali
- F026A2BD001.A
- F026A2BD006.A
- F026A2BD012.A
- F026A2BD018.A
- F026A2BD030.A
- F026A2BD033.A

**3000K**
Non Dimmable
- F026A3BA001.A
- F026A3BA006.A
- F026A3BA012.A
- F026A3BA018.A
- F026A3BA030.A
- F026A3BA033.A

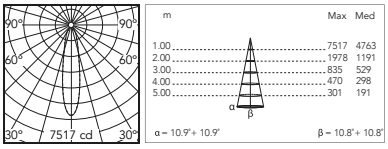
1-10V
- F026A3BB001.A
- F026A3BB006.A
- F026A3BB012.A
- F026A3BB018.A
- F026A3BB030.A
- F026A3BB033.A

Dali
- F026A3BD001.A
- F026A3BD006.A
- F026A3BD012.A
- F026A3BD018.A
- F026A3BD030.A
- F026A3BD033.A

**4000K**
Non Dimmable
- F026A4BA001.A
- F026A4BA006.A
- F026A4BA012.A
- F026A4BA018.A
- F026A4BA030.A
- F026A4BA033.A

1-10V
- F026A4BB001.A
- F026A4BB006.A
- F026A4BB012.A
- F026A4BB018.A
- F026A4BB030.A
- F026A4BB033.A

Dali
- F026A4BD001.A
- F026A4BD006.A
- F026A4BD012.A
- F026A4BD018.A
- F026A4BD030.A
- F026A4BD033.A




@ 3000K

### Optic Medium Flood 43º

**CoB Led:** 19,5W - 2197 lm ≠ FIXT 2026 lm - 2700K/CRI 80 - 220-240V / 19,5W - 2367 lm ≠ FIXT 2178 lm - 3000K/CRI 80 - 220-240V / 19,5W - 2497 lm ≠ FIXT 2298 lm - 4000K/CRI 80 - 220-240V

**2700K**
Non Dimmable
- F026A2CA001.A
- F026A2CA006.A
- F026A2CA012.A
- F026A2CA018.A
- F026A2CA030.A
- F026A2CA033.A

1-10V
- F026A2CB001.A
- F026A2CB006.A
- F026A2CB012.A
- F026A2CB018.A
- F026A2CB030.A
- F026A2CB033.A

Dali
- F026A2CD001.A
- F026A2CD006.A
- F026A2CD012.A
- F026A2CD018.A
- F026A2CD030.A
- F026A2CD033.A

**3000K**
Non Dimmable
- F026A3CA001.A
- F026A3CA006.A
- F026A3CA012.A
- F026A3CA018.A
- F026A3CA030.A
- F026A3CA033.A

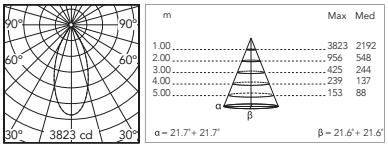
1-10V
- F026A3CB001.A
- F026A3CB006.A
- F026A3CB012.A
- F026A3CB018.A
- F026A3CB030.A
- F026A3CB033.A

Dali
- F026A3CD001.A
- F026A3CD006.A
- F026A3CD012.A
- F026A3CD018.A
- F026A3CD030.A
- F026A3CD033.A

**4000K**
Non Dimmable
- F026A4CA001.A
- F026A4CA006.A
- F026A4CA012.A
- F026A4CA018.A
- F026A4CA030.A
- F026A4CA033.A

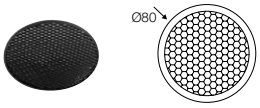
1-10V
- F026A4CB001.A
- F026A4CB006.A
- F026A4CB012.A
- F026A4CB018.A
- F026A4CB030.A
- F026A4CB033.A

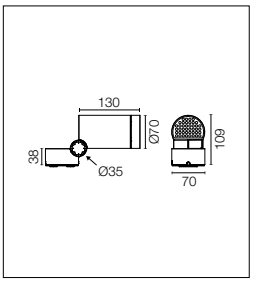
Dali
- F026A4CD001.A
- F026A4CD006.A
- F026A4CD012.A
- F026A4CD018.A
- F026A4CD030.A
- F026A4CD033.A

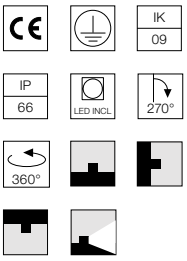



@ 3000K

## Spine 2 Absolute: Accessories / Accesorios

| | | | |
|---|---|---|---|
| Ground spike. | Clavo metálico para instalación en suelo. | F026Z010000 | |
| Honeycomb | Honeycomb Louvre | F026Z060000 |   |




Power LED source included. Equipped with an integrated snoot for higher visual comfort. Collimators are available as an accessory to modify the beam opening. Integrated electric power supply 220-240V ON/OFF. Fixing plate included. The electrical connection is made on the inside of the plate by means of a watertight connector included. To guarantee its water tightness, it is recommended to use flexible cables designed for outdoor use. Ground spike for ground installations to be ordered separately.
Upon request: 1-10V or DALI dimmable version with 24Vdc remote power supply.

2200K available on request.

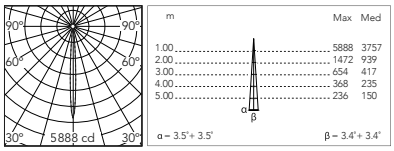
Fuente Power LED incluida. Equipada con snoot integrado para un confort visual mayor. Los colimadores son un accesorio disponible para modificar la apertura del haz lumínico. Fuente de alimentación eléctrica 220-240V ON/OFF integrada. Plaqueta de anclaje incluida. La conexión eléctrica se realiza en el interior de la plaqueta mediante conector estanco incluido. Para garantizar la estanqueidad se aconseja emplear cables flexibles para exteriores. Clavo metálico para la instalación en suelos, a pedir por separado.
Bajo petición, versión regulable 1-10V o DALI con fuente de alimentación remota 24Vdc.

2200K disponible bajo pedido.

### Optic Narrow Spot 7º

**Power Led:** 3,5W - 168 lm ≠ FIXT 143 lm - 2700K/CRI 80 - 220-240V / 3,5W - 174 lm ≠ FIXT 149 lm - 3000K/CRI 80 - 220-240V / 3,5W - 180 lm ≠ FIXT 154 lm - 4000K/CRI 80 - 220-240V

| 2700K | 3000K | 4000K |
|---|---|---|
| Non Dimmable | Non Dimmable | Non Dimmable |
| ○ F025D2AA001 | ○ F025D3AA001 | ○ F025D4AA001 |
| ● F025D2AA006 | ● F025D3AA006 | ● F025D4AA006 |
| ● F025D2AA012 | ● F025D3AA012 | ● F025D4AA012 |
| ● F025D2AA018 | ● F025D3AA018 | ● F025D4AA018 |
| ● F025D2AA030 | ● F025D3AA030 | ● F025D4AA030 |
| ● F025D2AA033 | ● F025D3AA033 | ● F025D4AA033 |

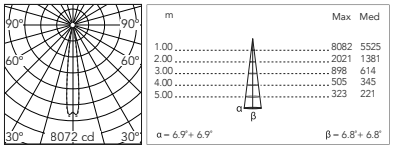



@ 3000K

### Optic Spot 14º

**Power Led:** 7,9W - 671 lm ≠ FIXT 550 lm - 2700K/CRI 80 - 220-240V / 7,9W - 696 lm ≠ FIXT 571 lm - 3000K/CRI 80 - 220-240V / 7,9W - 720 lm ≠ FIXT 591 lm - 4000K/CRI 80 - 220-240V

| 2700K | 3000K | 4000K |
|---|---|---|
| Non Dimmable | Non Dimmable | Non Dimmable |
| ○ F025D2BA001 | ○ F025D3BA001 | ○ F025D4BA001 |
| ● F025D2BA006 | ● F025D3BA006 | ● F025D4BA006 |
| ● F025D2BA012 | ● F025D3BA012 | ● F025D4BA012 |
| ● F025D2BA018 | ● F025D3BA018 | ● F025D4BA018 |
| ● F025D2BA030 | ● F025D3BA030 | ● F025D4BA030 |
| ● F025D2BA033 | ● F025D3BA033 | ● F025D4BA033 |

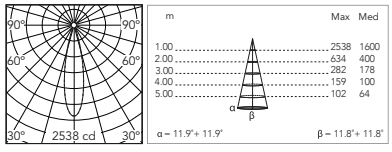



@ 3000K

### Optic Medium Flood 24,5º

**Power Led:** 7,9W - 671 lm ≠ FIXT 499 lm - 2700K/CRI 80 - 220-240V / 7,9W - 696 lm ≠ FIXT 518 lm - 3000K/CRI 80 - 220-240V / 7,9W - 720 lm ≠ FIXT 536 lm - 4000K/CRI 80 - 220-240V

| 2700K | 3000K | 4000K |
|---|---|---|
| Non Dimmable | Non Dimmable | Non Dimmable |
| ○ F025D2CA001 | ○ F025D3CA001 | ○ F025D4CA001 |
| ● F025D2CA006 | ● F025D3CA006 | ● F025D4CA006 |
| ● F025D2CA012 | ● F025D3CA012 | ● F025D4CA012 |
| ● F025D2CA018 | ● F025D3CA018 | ● F025D4CA018 |
| ● F025D2CA030 | ● F025D3CA030 | ● F025D4CA030 |
| ● F025D2CA033 | ● F025D3CA033 | ● F025D4CA033 |

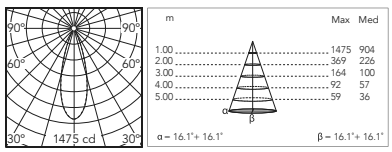



@ 3000K

### Optic Flood 32º

**Power Led:** 7,9W - 671 lm ≠ FIXT 482 lm - 2700K/CRI 80 - 220-240V / 7,9W - 696 lm ≠ FIXT 500 lm - 3000K/CRI 80 - 220-240V / 7,9W - 720 lm ≠ FIXT 518 lm - 4000K/CRI 80 - 220-240V

| 2700K | 3000K | 4000K |
|---|---|---|
| Non Dimmable | Non Dimmable | Non Dimmable |
| ○ F025D2DA001 | ○ F025D3DA001 | ○ F025D4DA001 |
| ● F025D2DA006 | ● F025D3DA006 | ● F025D4DA006 |
| ● F025D2DA012 | ● F025D3DA012 | ● F025D4DA012 |
| ● F025D2DA018 | ● F025D3DA018 | ● F025D4DA018 |
| ● F025D2DA030 | ● F025D3DA030 | ● F025D4DA030 |
| ● F025D2DA033 | ● F025D3DA033 | ● F025D4DA033 |

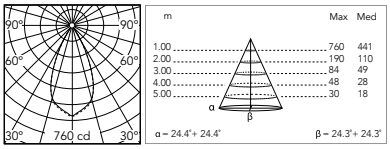



@ 3000K

### Optic Wide Flood 49º

**Power Led:** 7,9W - 671 lm ≠ FIXT 480 lm - 2700K/CRI 80 - 220-240V / 7,9W - 696 lm ≠ FIXT 490 lm - 3000K/CRI 80 - 220-240V / 7,9W - 720 lm ≠ FIXT 505 lm - 4000K/CRI 80 - 220-240V

| 2700K | 3000K | 4000K |
|---|---|---|
| Non Dimmable | Non Dimmable | Non Dimmable |
| F025D2EA001 | F025D3EA001 | F025D4EA001 |
| F025D2EA006 | F025D3EA006 | F025D4EA006 |
| F025D2EA012 | F025D3EA012 | F025D4EA012 |
| F025D2EA018 | F025D3EA018 | F025D4EA018 |
| F025D2EA030 | F025D3EA030 | F025D4EA030 |
| F025D2EA033 | F025D3EA033 | F025D4EA033 |

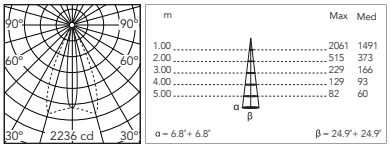



@ 3000K

### Optic Elliptical 1 13,5º x 50º

**Power Led:** 7,9W - 671 lm ≠ FIXT 500 lm - 2700K/CRI 80 - 220-240V / 7,9W - 696 lm ≠ FIXT 519 lm - 3000K/CRI 80 - 220-240V / 7,9W - 720 lm ≠ FIXT 537 lm - 4000K/CRI 80 - 220-240V

| 2700K | 3000K | 4000K |
|---|---|---|
| Non Dimmable | Non Dimmable | Non Dimmable |
| F025D2FA001 | F025D3FA001 | F025D4FA001 |
| F025D2FA006 | F025D3FA006 | F025D4FA006 |
| F025D2FA012 | F025D3FA012 | F025D4FA012 |
| F025D2FA018 | F025D3FA018 | F025D4FA018 |
| F025D2FA030 | F025D3FA030 | F025D4FA030 |
| F025D2FA033 | F025D3FA033 | F025D4FA033 |

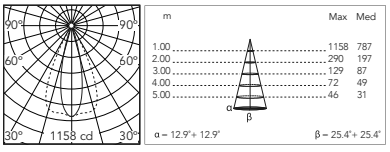



@ 3000K

### Optic Elliptical 2 26º x 51º

**Power Led:** 7,9W - 671 lm ≠ FIXT 487 lm - 2700K/CRI 80 - 220-240V / 7,9W - 696 lm ≠ FIXT 505 lm - 3000K/CRI 80 - 220-240V / 7,9W - 720 lm ≠ FIXT 523 lm - 4000K/CRI 80 - 220-240V

| 2700K | 3000K | 4000K |
|---|---|---|
| Non Dimmable | Non Dimmable | Non Dimmable |
| F025D2GA001 | F025D3GA001 | F025D4GA001 |
| F025D2GA006 | F025D3GA006 | F025D4GA006 |
| F025D2GA012 | F025D3GA012 | F025D4GA012 |
| F025D2GA018 | F025D3GA018 | F025D4GA018 |
| F025D2GA030 | F025D3GA030 | F025D4GA030 |
| F025D2GA033 | F025D3GA033 | F025D4GA033 |

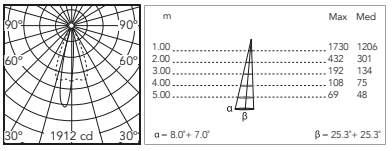



@ 3000K

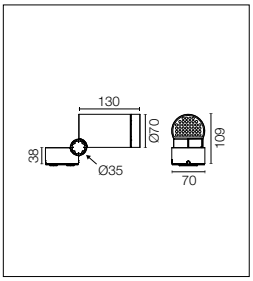
### Optic Wall Washer

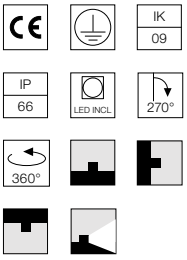
**Power Led:** 7,9W - 671 lm ≠ FIXT 471 lm - 2700K/CRI 80 - 220-240V / 7,9W - 696 lm ≠ FIXT 489 lm - 3000K/CRI 80 - 220-240V / 7,9W - 720 lm ≠ FIXT 506 lm - 4000K/CRI 80 - 220-240V

| 2700K | 3000K | 4000K |
|---|---|---|
| Non Dimmable | Non Dimmable | Non Dimmable |
| F025D2HA001 | F025D3HA001 | F025D4HA001 |
| F025D2HA006 | F025D3HA006 | F025D4HA006 |
| F025D2HA012 | F025D3HA012 | F025D4HA012 |
| F025D2HA018 | F025D3HA018 | F025D4HA018 |
| F025D2HA030 | F025D3HA030 | F025D4HA030 |
| F025D2HA033 | F025D3HA033 | F025D4HA033 |




@ 3000K



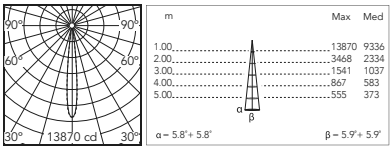

Energy-efficient Power LED source included Equipped with an integrated snoot for higher visual comfort. Collimators are available as an accessory to modify the beam opening. Integrated electric power supply 220-240V ON/OFF. Fixing plate included. The electrical connection is made on the inside of the plate by means of a watertight connector included. To guarantee its water tightness, it is recommended to use flexible cables designed for outdoor use. Ground spike for ground installations to be ordered separately.
Upon request: 1-10V or DALI dimmable version with 24Vdc remote power supply.

Fuente Power LED de bajo consumo incluida. Equipada con snoot integrado para un confort visual mayor. Los colimadores son un accesorio disponible para modificar la apertura del haz lumínico. Fuente de alimentación eléctrica 220-240V ON/OFF integrada. Plaqueta de anclaje incluida. La conexión eléctrica se realiza en el interior de la plaqueta mediante conector estanco incluido. Para garantizar la estanqueidad se aconseja emplear cables flexibles para exteriores. Clavo metálico para la instalación en suelos, a pedir por separado.
Bajo petición, versión regulable 1-10V o DALI con fuente de alimentación remota 24Vdc.

### Optic Spot 12º

**Power Led:** 10,5W - 920 lm ≠ FIXT 680 lm - 2700K/CRI 80 - 220-240V / 10,5W - 966 lm ≠ FIXT 706 lm - 3000K/CRI 80 - 220-240V / 10,5W - 1012 lm ≠ FIXT 730 lm - 4000K/CRI 80 - 220-240V

| 2700K | 3000K | 4000K |
|---|---|---|
| Non Dimmable | Non Dimmable | Non Dimmable |
| ○ F025E2BA001 | ○ F025E3BA001 | ○ F025E4BA001 |
| ● F025E2BA006 | ● F025E3BA006 | ● F025E4BA006 |
| ● F025E2BA012 | ● F025E3BA012 | ● F025E4BA012 |
| ● F025E2BA018 | ● F025E3BA018 | ● F025E4BA018 |
| ● F025E2BA030 | ● F025E3BA030 | ● F025E4BA030 |
| ● F025E2BA033 | ● F025E3BA033 | ● F025E4BA033 |

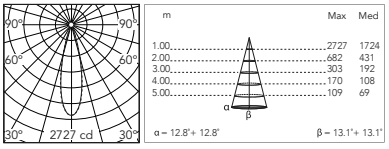



@ 3000K

### Optic Medium Flood 26,5º

**Power Led:** 10,5W - 920 lm ≠ FIXT 594 lm - 2700K/CRI 80 - 220-240V / 10,5W - 966 lm ≠ FIXT 630 lm - 3000K/CRI 80 - 220-240V / 10,5W - 1012 lm ≠ FIXT 654 lm - 4000K/CRI 80 - 220-240V

| 2700K | 3000K | 4000K |
|---|---|---|
| Non Dimmable | Non Dimmable | Non Dimmable |
| ○ F025E2CA001 | ○ F025E3CA001 | ○ F025E4CA001 |
| ● F025E2CA006 | ● F025E3CA006 | ● F025E4CA006 |
| ● F025E2CA012 | ● F025E3CA012 | ● F025E4CA012 |
| ● F025E2CA018 | ● F025E3CA018 | ● F025E4CA018 |
| ● F025E2CA030 | ● F025E3CA030 | ● F025E4CA030 |
| ● F025E2CA033 | ● F025E3CA033 | ● F025E4CA033 |

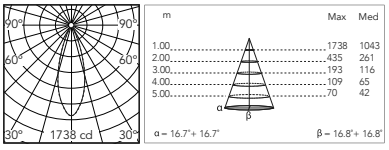



@ 3000K

### Optic Flood 33,5º

**Power Led:** 10,5W - 920 lm ≠ FIXT 592 lm - 2700K/CRI 80 - 220-240V / 10,5W - 966 lm ≠ FIXT 627 lm - 3000K/CRI 80 - 220-240V / 10,5W - 1012 lm ≠ FIXT 651 lm - 4000K/CRI 80 - 220-240V

| 2700K | 3000K | 4000K |
|---|---|---|
| Non Dimmable | Non Dimmable | Non Dimmable |
| ○ F025E2DA001 | ○ F025E3DA001 | ○ F025E4DA001 |
| ● F025E2DA006 | ● F025E3DA006 | ● F025E4DA006 |
| ● F025E2DA012 | ● F025E3DA012 | ● F025E4DA012 |
| ● F025E2DA018 | ● F025E3DA018 | ● F025E4DA018 |
| ● F025E2DA030 | ● F025E3DA030 | ● F025E4DA030 |
| ● F025E2DA033 | ● F025E3DA033 | ● F025E4DA033 |

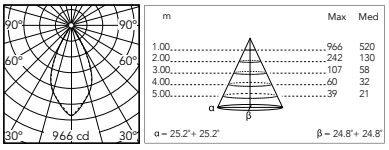



@ 3000K

### Optic Wide Flood 50º

**Power Led:** 10,5W - 920 lm ≠ FIXT 591 lm - 2700K/CRI 80 - 220-240V / 10,5W - 966 lm ≠ FIXT 619 lm - 3000K/CRI 80 - 220-240V / 10,5W - 1012 lm ≠ FIXT 650 lm - 4000K/CRI 80 - 220-240V

| 2700K | 3000K | 4000K |
|---|---|---|
| Non Dimmable | Non Dimmable | Non Dimmable |
| ○ F025E2EA001 | ○ F025E3EA001 | ○ F025E4EA001 |
| ● F025E2EA006 | ● F025E3EA006 | ● F025E4EA006 |
| ● F025E2EA012 | ● F025E3EA012 | ● F025E4EA012 |
| ● F025E2EA018 | ● F025E3EA018 | ● F025E4EA018 |
| ● F025E2EA030 | ● F025E3EA030 | ● F025E4EA030 |
| ● F025E2EA033 | ● F025E3EA033 | ● F025E4EA033 |



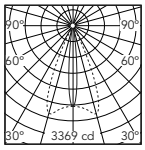

@ 3000K

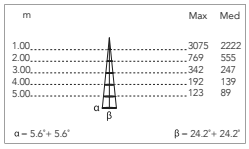
## Spine 1 Pro Hp

### Optic Elliptical 1 11,5º x 49º

**Power Led:** 10,5W - 920 lm ≠ FIXT 603 lm - 2700K/CRI 80 - 220-240V / 10,5W - 966 lm ≠ FIXT 639 lm - 3000K/CRI 80 - 220-240V / 10,5W - 1012 lm ≠ FIXT 663 lm - 4000K/CRI 80 - 220-240V

| 2700K | 3000K | 4000K |
|---|---|---|
| Non Dimmable | Non Dimmable | Non Dimmable |
| ○ F025E2FA001 | ○ F025E3FA001 | ○ F025E4FA001 |
| ● F025E2FA006 | ● F025E3FA006 | ● F025E4FA006 |
| ● F025E2FA012 | ● F025E3FA012 | ● F025E4FA012 |
| ● F025E2FA018 | ● F025E3FA018 | ● F025E4FA018 |
| ● F025E2FA030 | ● F025E3FA030 | ● F025E4FA030 |
| ● F025E2FA033 | ● F025E3FA033 | ● F025E4FA033 |



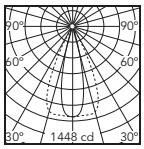



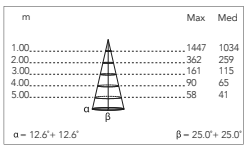

@ 3000K

### Optic Elliptical 2 25,5º x 50º

**Power Led:** 10,5W - 920 lm ≠ FIXT 601 lm - 2700K/CRI 80 - 220-240V / 10,5W - 966 lm ≠ FIXT 624 lm - 3000K/CRI 80 - 220-240V / 10,5W - 1012 lm ≠ FIXT 645 lm - 4000K/CRI 80 - 220-240V

| 2700K | 3000K | 4000K |
|---|---|---|
| Non Dimmable | Non Dimmable | Non Dimmable |
| ○ F025E2GA001 | ○ F025E3GA001 | ○ F025E4GA001 |
| ● F025E2GA006 | ● F025E3GA006 | ● F025E4GA006 |
| ● F025E2GA012 | ● F025E3GA012 | ● F025E4GA012 |
| ● F025E2GA018 | ● F025E3GA018 | ● F025E4GA018 |
| ● F025E2GA030 | ● F025E3GA030 | ● F025E4GA030 |
| ● F025E2GA033 | ● F025E3GA033 | ● F025E4GA033 |



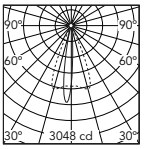



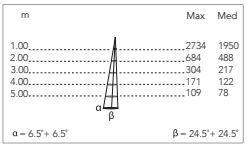

@ 3000K

### Optic Wall Washer

**Power Led:** 10,5W - 920 lm ≠ FIXT 574 lm - 2700K/CRI 80 - 220-240V / 10,5W - 966 lm ≠ FIXT 609 lm - 3000K/CRI 80 - 220-240V / 10,5W - 1012 lm ≠ FIXT 631 lm - 4000K/CRI 80 - 220-240V

| 2700K | 3000K | 4000K |
|---|---|---|
| Non Dimmable | Non Dimmable | Non Dimmable |
| ○ F025E2HA001 | ○ F025E3HA001 | ○ F025E4HA001 |
| ● F025E2HA006 | ● F025E3HA006 | ● F025E4HA006 |
| ● F025E2HA012 | ● F025E3HA012 | ● F025E4HA012 |
| ● F025E2HA018 | ● F025E3HA018 | ● F025E4HA018 |
| ● F025E2HA030 | ● F025E3HA030 | ● F025E4HA030 |
| ● F025E2HA033 | ● F025E3HA033 | ● F025E4HA033 |

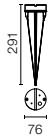


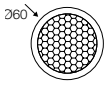




@ 3000K

## Spine 1 Pro: Accessories / Accesorios

| | | |
|---|---|---|
| Ground spike. | Clavo metálico para instalación en suelo. | F026Z010000 |
| Honeycomb | Honeycomb Louvre | F025Z060000 |

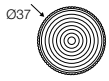


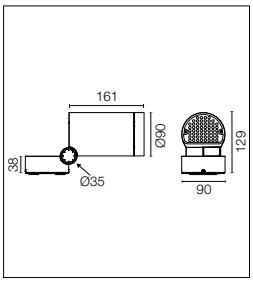


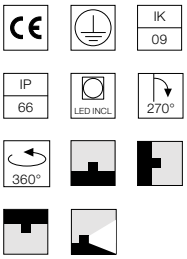

Converter lenses / Llentes de conversión:

| | |
|---|---|
| - Converter Spine 1 Optic Medium Flood | F029Z010000 |
| - Converter Spine 1 Optic Flood | F029Z011000 |
| - Converter Spine 1 Optic Wide Flood | F029Z012000 |
| - Converter Spine 1 Optic Elliptic 1 | F029Z013000 |
| - Converter Spine 1 Optic Elliptic 2 | F029Z014000 |
| - Converter Spine 1 Optic Wall Washer | F029Z015000 |








Power LED source included. Equipped with an integrated snoot for higher visual comfort. Collimators are available as an accessory to modify the beam opening. Integrated electric power supply 220-240V ON/OFF and adjustable 1-10V or DALI. Fixing plate included. The electrical connection is made on the inside of the plate by means of a watertight connector included. To guarantee its water tightness, it is recommended to use flexible cables designed for outdoor use. Ground spike for ground installations to be ordered separately.

Optic Narrow Spot

2200K available on request.

Fuente Power LED incluida. Equipada con snoot integrado para un confort visual mayor. Los colimadores son un accesorio disponible para modificar la apertura del haz lumínico. Fuente de alimentación eléctrica 220-240V ON/OFF y regulable 1-10V o DALI integrada. Plaqueta de anclaje incluida. La conexión eléctrica se realiza en el interior de la plaqueta mediante conector estanco incluido. Para garantizar la estanqueidad se aconseja emplear cables flexibles para exteriores. Clavo metálico para la instalación en suelos, a pedir por separado.

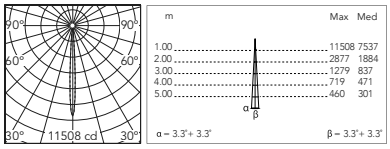
Optic Narrow Spot

2200K disponible bajo pedido.

### Optic Narrow Spot 6º

**Power Led:** 4,1W - 248 lm ≠ FIXT 230 lm - 2700K/CRI 80 - 220-240V / 4,1W - 258 lm ≠ FIXT 239 lm - 3000K/CRI 80 - 220-240V / 4,1W - 267 lm ≠ FIXT 247 lm - 4000K/CRI 80 - 220-240V

| 2700K | 3000K | 4000K |
|---|---|---|
| Non Dimmable | Non Dimmable | Non Dimmable |
| F026D2AA001 | F026D3AA001 | F026D4AA001 |
| F026D2AA006 | F026D3AA006 | F026D4AA006 |
| F026D2AA012 | F026D3AA012 | F026D4AA012 |
| F026D2AA018 | F026D3AA018 | F026D4AA018 |
| F026D2AA030 | F026D3AA030 | F026D4AA030 |
| F026D2AA033 | F026D3AA033 | F026D4AA033 |
| 1-10V | 1-10V | 1-10V |
| F026D2AB001 | F026D3AB001 | F026D4AB001 |
| F026D2AB006 | F026D3AB006 | F026D4AB006 |
| F026D2AB012 | F026D3AB012 | F026D4AB012 |
| F026D2AB018 | F026D3AB018 | F026D4AB018 |
| F026D2AB030 | F026D3AB030 | F026D4AB030 |
| F026D2AB033 | F026D3AB033 | F026D4AB033 |
| Dali | Dali | Dali |
| F026D2AD001 | F026D3AD001 | F026D4AD001 |
| F026D2AD006 | F026D3AD006 | F026D4AD006 |
| F026D2AD012 | F026D3AD012 | F026D4AD012 |
| F026D2AD018 | F026D3AD018 | F026D4AD018 |
| F026D2AD030 | F026D3AD030 | F026D4AD030 |
| F026D2AD033 | F026D3AD033 | F026D4AD033 |

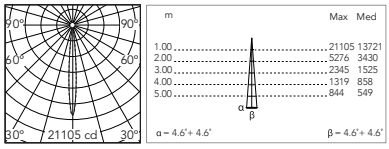



@ 3000K

### Optic Spot 9,5º

**Power Led:** 10,5W - 920 lm ≠ FIXT 769 lm - 2700K/CRI 80 - 220-240Vv / 10,5W - 966 lm ≠ FIXT 808 lm - 3000K/CRI 80 - 220-240V / 10,5W - 1012 lm ≠ FIXT 846 lm - 4000K/CRI 80 - 220-240V

| 2700K | 3000K | 4000K |
|---|---|---|
| Non Dimmable | Non Dimmable | Non Dimmable |
| F026D2BA001 | F026D3BA001 | F026D4BA001 |
| F026D2BA006 | F026D3BA006 | F026D4BA006 |
| F026D2BA012 | F026D3BA012 | F026D4BA012 |
| F026D2BA018 | F026D3BA018 | F026D4BA018 |
| F026D2BA030 | F026D3BA030 | F026D4BA030 |
| F026D2BA033 | F026D3BA033 | F026D4BA033 |
| 1-10V | 1-10V | 1-10V |
| F026D2BB001 | F026D3BB001 | F026D4BB001 |
| F026D2BB006 | F026D3BB006 | F026D4BB006 |
| F026D2BB012 | F026D3BB012 | F026D4BB012 |
| F026D2BB018 | F026D3BB018 | F026D4BB018 |
| F026D2BB030 | F026D3BB030 | F026D4BB030 |
| F026D2BB033 | F026D3BB033 | F026D4BB033 |
| Dali | Dali | Dali |
| F026D2BD001 | F026D3BD001 | F026D4BD001 |
| F026D2BD006 | F026D3BD006 | F026D4BD006 |
| F026D2BD012 | F026D3BD012 | F026D4BD012 |
| F026D2BD018 | F026D3BD018 | F026D4BD018 |
| F026D2BD030 | F026D3BD030 | F026D4BD030 |
| F026D2BD033 | F026D3BD033 | F026D4BD033 |




@ 3000K

### Optic Medium Flood 28º

**Power Led:** 10,5W - 920 lm ≠ FIXT 715 lm - 2700K/CRI 80 - 220-240V / 10,5W - 966 lm ≠ FIXT 742 lm - 3000K/CRI 80 - 220-240V / 10,5W - 1012 lm ≠ FIXT 767 lm - 4000K/CRI 80 - 220-240V

**2700K**

Non Dimmable
- F026D2CA001
- F026D2CA006
- F026D2CA012
- F026D2CA018
- F026D2CA030
- F026D2CA033

1-10V
- F026D2CB001
- F026D2CB006
- F026D2CB012
- F026D2CB018
- F026D2CB030
- F026D2CB033

Dali
- F026D2CD001
- F026D2CD006
- F026D2CD012
- F026D2CD018
- F026D2CD030
- F026D2CD033

**3000K**

Non Dimmable
- F026D3CA001
- F026D3CA006
- F026D3CA012
- F026D3CA018
- F026D3CA030
- F026D3CA033

1-10V
- F026D3CB001
- F026D3CB006
- F026D3CB012
- F026D3CB018
- F026D3CB030
- F026D3CB033

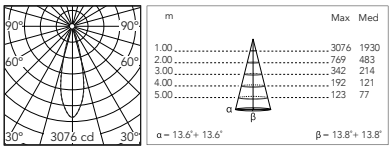
Dali
- F026D3CD001
- F026D3CD006
- F026D3CD012
- F026D3CD018
- F026D3CD030
- F026D3CD033

**4000K**

Non Dimmable
- F026D4CA001
- F026D4CA006
- F026D4CA012
- F026D4CA018
- F026D4CA030
- F026D4CA033

1-10V
- F026D4CB001
- F026D4CB006
- F026D4CB012
- F026D4CB018
- F026D4CB030
- F026D4CB033

Dali
- F026D4CD001
- F026D4CD006
- F026D4CD012
- F026D4CD018
- F026D4CD030
- F026D4CD033




@ 3000K

### Optic Flood 33º

**Power Led:** 10,5W - 920 lm ≠ FIXT 695 lm - 2700K/CRI 80 - 220-240V / 10,5W - 966 lm ≠ FIXT 721 lm - 3000K/CRI 80 - 220-240V / 10,5W - 1012 lm ≠ FIXT 746 lm - 4000K/CRI 80 - 220-240V

**2700K**

Non Dimmable
- F026D2DA001
- F026D2DA006
- F026D2DA012
- F026D2DA018
- F026D2DA030
- F026D2DA033

1-10V
- F026D2DB001
- F026D2DB006
- F026D2DB012
- F026D2DB018
- F026D2DB030
- F026D2DB033

Dali
- F026D2DD001
- F026D2DD006
- F026D2DD012
- F026D2DD018
- F026D2DD030
- F026D2DD033

**3000K**

Non Dimmable
- F026D3DA001
- F026D3DA006
- F026D3DA012
- F026D3DA018
- F026D3DA030
- F026D3DA033

1-10V
- F026D3DB001
- F026D3DB006
- F026D3DB012
- F026D3DB018
- F026D3DB030
- F026D3DB033

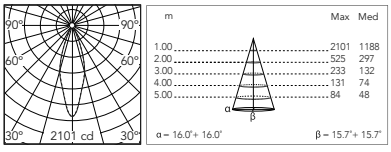
Dali
- F026D3DD001
- F026D3DD006
- F026D3DD012
- F026D3DD018
- F026D3DD030
- F026D3DD033

**4000K**

Non Dimmable
- F026D4DA001
- F026D4DA006
- F026D4DA012
- F026D4DA018
- F026D4DA030
- F026D4DA033

1-10V
- F026D4DB001
- F026D4DB006
- F026D4DB012
- F026D4DB018
- F026D4DB030
- F026D4DB033

Dali
- F026D4DD001
- F026D4DD006
- F026D4DD012
- F026D4DD018
- F026D4DD030
- F026D4DD033




@ 3000K

### Optic Wide Flood 51º

**Power Led:** 10,5W - 920 lm ≠ FIXT 711 lm - 2700K/CRI 80 - 220-240V / 10,5W - 966 lm ≠ FIXT 741 lm - 3000K/CRI 80 - 220-240V / 10,5W - 1012 lm ≠ FIXT 778 lm - 4000K/CRI 80 - 220-240V

**2700K**

Non Dimmable
- F026D2EA001
- F026D2EA006
- F026D2EA012
- F026D2EA018
- F026D2EA030
- F026D2EA033

1-10V
- F026D2EB001
- F026D2EB006
- F026D2EB012
- F026D2EB018
- F026D2EB030
- F026D2EB033

Dali
- F026D2ED001
- F026D2ED006
- F026D2ED012
- F026D2ED018
- F026D2ED030
- F026D2ED033

**3000K**

Non Dimmable
- F026D3EA001
- F026D3EA006
- F026D3EA012
- F026D3EA018
- F026D3EA030
- F026D3EA033

1-10V
- F026D3EB001
- F026D3EB006
- F026D3EB012
- F026D3EB018
- F026D3EB030
- F026D3EB033

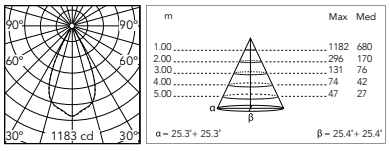
Dali
- F026D3ED001
- F026D3ED006
- F026D3ED012
- F026D3ED018
- F026D3ED030
- F026D3ED033

**4000K**

Non Dimmable
- F026D4EA001
- F026D4EA006
- F026D4EA012
- F026D4EA018
- F026D4EA030
- F026D4EA033

1-10V
- F026D4EB001
- F026D4EB006
- F026D4EB012
- F026D4EB018
- F026D4EB030
- F026D4EB033

Dali
- F026D4ED001
- F026D4ED006
- F026D4ED012
- F026D4ED018
- F026D4ED030
- F026D4ED033




@ 3000K

### Optic Elliptical 1 9,5º x 48º

**Power Led:** 10,5W - 920 lm ≠ FIXT 717 lm - 2700K/CRI 80 - 220-240V / 10,5W - 966 lm ≠ FIXT 744 lm - 3000K/CRI 80 - 220-240V / 10,5W - 1012 lm ≠ FIXT 770 lm - 4000K/CRI 80 - 220-240V

**2700K**
Non Dimmable
- F026D2FA001
- F026D2FA006
- F026D2FA012
- F026D2FA018
- F026D2FA030
- F026D2FA033

1-10V
- F026D2FB001
- F026D2FB006
- F026D2FB012
- F026D2FB018
- F026D2FB030
- F026D2FB033

Dali
- F026D2FD001
- F026D2FD006
- F026D2FD012
- F026D2FD018
- F026D2FD030
- F026D2FD033

**3000K**
Non Dimmable
- F026D3FA001
- F026D3FA006
- F026D3FA012
- F026D3FA018
- F026D3FA030
- F026D3FA033

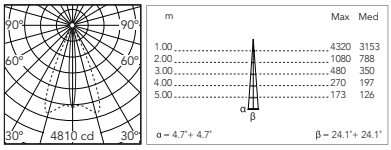
1-10V
- F026D3FB001
- F026D3FB006
- F026D3FB012
- F026D3FB018
- F026D3FB030
- F026D3FB033

Dali
- F026D3FD001
- F026D3FD006
- F026D3FD012
- F026D3FD018
- F026D3FD030
- F026D3FD033

**4000K**
Non Dimmable
- F026D4FA001
- F026D4FA006
- F026D4FA012
- F026D4FA018
- F026D4FA030
- F026D4FA033

1-10V
- F026D4FB001
- F026D4FB006
- F026D4FB012
- F026D4FB018
- F026D4FB030
- F026D4FB033

Dali
- F026D4FD001
- F026D4FD006
- F026D4FD012
- F026D4FD018
- F026D4FD030
- F026D4FD033




@ 3000K

### Optic Elliptical 2 24º x 50º

**Power Led:** 10,5W - 920 lm ≠ FIXT 699 lm - 2700K/CRI 80 - 220-240V / 10,5W - 966 lm ≠ FIXT 725 lm - 3000K/CRI 80 - 220-240V / 10,5W - 1012 lm ≠ FIXT 750 lm - 4000K/CRI 80 - 220-240V

**2700K**
Non Dimmable
- F026D2GA001
- F026D2GA006
- F026D2GA012
- F026D2GA018
- F026D2GA030
- F026D2GA033

1-10V
- F026D2GB001
- F026D2GB006
- F026D2GB012
- F026D2GB018
- F026D2GB030
- F026D2GB033

Dali
- F026D2GD001
- F026D2GD006
- F026D2GD012
- F026D2GD018
- F026D2GD030
- F026D2GD033

**3000K**
Non Dimmable
- F026D3GA001
- F026D3GA006
- F026D3GA012
- F026D3GA018
- F026D3GA030
- F026D3GA033

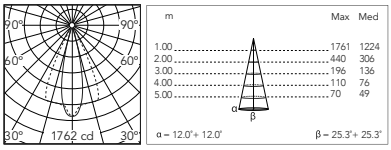
1-10V
- F026D3GB001
- F026D3GB006
- F026D3GB012
- F026D3GB018
- F026D3GB030
- F026D3GB033

Dali
- F026D3GD001
- F026D3GD006
- F026D3GD012
- F026D3GD018
- F026D3GD030
- F026D3GD033

**4000K**
Non Dimmable
- F026D4GA001
- F026D4GA006
- F026D4GA012
- F026D4GA018
- F026D4GA030
- F026D4GA033

1-10V
- F026D4GB001
- F026D4GB006
- F026D4GB012
- F026D4GB018
- F026D4GB030
- F026D4GB033

Dali
- F026D4GD001
- F026D4GD006
- F026D4GD012
- F026D4GD018
- F026D4GD030
- F026D4GD033




@ 3000K

### Optic Wall Washer

**Power Led:** 10,5W - 920 lm ≠ FIXT 673 lm - 2700K/CRI 80 - 220-240V / 10,5W - 966 lm ≠ FIXT 698 lm - 3000K/CRI 80 - 220-240V / 10,5W - 1012 lm ≠ FIXT 672 lm - 4000K/CRI 80 - 220-240V

**2700K**
Non Dimmable
- F026D2HA001
- F026D2HA006
- F026D2HA012
- F026D2HA018
- F026D2HA030
- F026D2HA033

1-10V
- F026D2HB001
- F026D2HB006
- F026D2HB012
- F026D2HB018
- F026D2HB030
- F026D2HB033

Dali
- F026D2HD001
- F026D2HD006
- F026D2HD012
- F026D2HD018
- F026D2HD030
- F026D2HD033

**3000K**
Non Dimmable
- F026D3HA001
- F026D3HA006
- F026D3HA012
- F026D3HA018
- F026D3HA030
- F026D3HA033

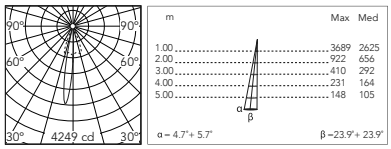
1-10V
- F026D3HB001
- F026D3HB006
- F026D3HB012
- F026D3HB018
- F026D3HB030
- F026D3HB033

Dali
- F026D3HD001
- F026D3HD006
- F026D3HD012
- F026D3HD018
- F026D3HD030
- F026D3HD033

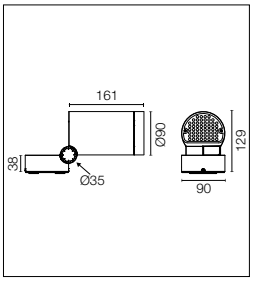
**4000K**
Non Dimmable
- F026D4HA001
- F026D4HA006
- F026D4HA012
- F026D4HA018
- F026D4HA030
- F026D4HA033

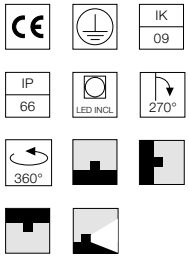
1-10V
- F026D4HB001
- F026D4HB006
- F026D4HB012
- F026D4HB018
- F026D4HB030
- F026D4HB033

Dali
- F026D4HD001
- F026D4HD006
- F026D4HD012
- F026D4HD018
- F026D4HD030
- F026D4HD033




@ 3000K




Energy-efficient Power LED source included Equipped with an integrated snoot for higher visual comfort. Equipped with an integrated snoot for higher visual comfort. Collimators are available as an accessory to modify the beam opening. Integrated electric power supply 220-240V ON/OFF and adjustable 1-10V or DALI. Fixing plate included. The electrical connection is made on the inside of the plate by means of a watertight connector included. To guarantee its water tightness, it is recommended to use flexible cables designed for outdoor use. Ground spike for ground installations to be ordered separately.

2200K available on request.

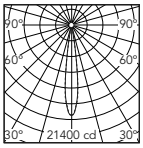
Fuente Power LED de bajo consumo incluida. Equipada con snoot integrado para un confort visual mayor. Equipada con snoot integrado para un confort visual mayor. Los colimadores son un accesorio disponible para modificar la apertura del haz lumínico. Fuente de alimentación eléctrica 220-240V ON/OFF y regulable 1-10V o DALI integrada. Plaqueta de anclaje incluida. La conexión eléctrica se realiza en el interior de la plaqueta mediante conector estanco incluido. Para garantizar la estanqueidad se aconseja emplear cables flexibles para exteriores. Clavo metálico para la instalación en suelos, a pedir por separado.

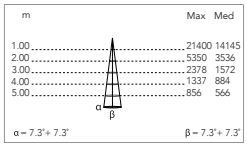
2200K disponible bajo pedido.

### Optic Spot 14,5º

**Power Led:** 17W - 1739 lm ≠ FIXT 1443 lm - 2700K/CRI 80 - 220-240V / 17W - 1803 lm ≠ FIXT 1497 lm - 3000K/CRI 80 - 220-240V / 17W - 1868 lm ≠ FIXT 1548 lm - 4000K/CRI 80 - 220-240V

| 2700K | 3000K | 4000K |
|---|---|---|
| Non Dimmable | Non Dimmable | Non Dimmable |
| ○ F026E2BA001 | ○ F026E3BA001 | ○ F026E4BA001 |
| ● F026E2BA006 | ● F026E3BA006 | ● F026E4BA006 |
| ● F026E2BA012 | ● F026E3BA012 | ● F026E4BA012 |
| ● F026E2BA018 | ● F026E3BA018 | ● F026E4BA018 |
| ● F026E2BA030 | ● F026E3BA030 | ● F026E4BA030 |
| ● F026E2BA033 | ● F026E3BA033 | ● F026E4BA033 |
| 1-10V | 1-10V | 1-10V |
| ○ F026E2BB001 | ○ F026E3BB001 | ○ F026E4BB001 |
| ● F026E2BB006 | ● F026E3BB006 | ● F026E4BB006 |
| ● F026E2BB012 | ● F026E3BB012 | ● F026E4BB012 |
| ● F026E2BB018 | ● F026E3BB018 | ● F026E4BB018 |
| ● F026E2BB030 | ● F026E3BB030 | ● F026E4BB030 |
| ● F026E2BB033 | ● F026E3BB033 | ● F026E4BB033 |
| Dali | Dali | Dali |
| ○ F026E2BD001 | ○ F026E3BD001 | ○ F026E4BD001 |
| ● F026E2BD006 | ● F026E3BD006 | ● F026E4BD006 |
| ● F026E2BD012 | ● F026E3BD012 | ● F026E4BD012 |
| ● F026E2BD018 | ● F026E3BD018 | ● F026E4BD018 |
| ● F026E2BD030 | ● F026E3BD030 | ● F026E4BD030 |
| ● F026E2BD033 | ● F026E3BD033 | ● F026E4BD033 |



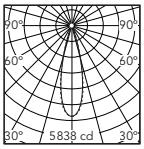



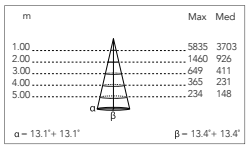

@ 3000K

### Optic Medium Flood 26º

**Power Led:** 17W - 1739 lm ≠ FIXT 1336 lm - 2700K/CRI 80 - 220-240V / 17W - 1803 lm ≠ FIXT 1386 lm - 3000K/CRI 80 - 220-240V / 17W - 1868 lm ≠ FIXT 1434 lm - 4000K/CRI 80 - 220-240V

| 2700K | 3000K | 4000K |
|---|---|---|
| Non Dimmable | Non Dimmable | Non Dimmable |
| ○ F026E2CA001 | ○ F026E3CA001 | ○ F026E4CA001 |
| ● F026E2CA006 | ● F026E3CA006 | ● F026E4CA006 |
| ● F026E2CA012 | ● F026E3CA012 | ● F026E4CA012 |
| ● F026E2CA018 | ● F026E3CA018 | ● F026E4CA018 |
| ● F026E2CA030 | ● F026E3CA030 | ● F026E4CA030 |
| ● F026E2CA033 | ● F026E3CA033 | ● F026E4CA033 |
| 1-10V | 1-10V | 1-10V |
| ○ F026E2CB001 | ○ F026E3CB001 | ○ F026E4CB001 |
| ● F026E2CB006 | ● F026E3CB006 | ● F026E4CB006 |
| ● F026E2CB012 | ● F026E3CB012 | ● F026E4CB012 |
| ● F026E2CB018 | ● F026E3CB018 | ● F026E4CB018 |
| ● F026E2CB030 | ● F026E3CB030 | ● F026E4CB030 |
| ● F026E2CB033 | ● F026E3CB033 | ● F026E4CB033 |
| Dali | Dali | Dali |
| ○ F026E2CD001 | ○ F026E3CD001 | ○ F026E4CD001 |
| ● F026E2CD006 | ● F026E3CD006 | ● F026E4CD006 |
| ● F026E2CD012 | ● F026E3CD012 | ● F026E4CD012 |
| ● F026E2CD018 | ● F026E3CD018 | ● F026E4CD018 |
| ● F026E2CD030 | ● F026E3CD030 | ● F026E4CD030 |
| ● F026E2CD033 | ● F026E3CD033 | ● F026E4CD033 |




@ 3000K

### Optic Flood 36º

**Power Led:** 17W - 1739 lm ≠ FIXT 1302 lm - 2700K/CRI 80 - 220-240V / 17W - 1803 lm ≠ FIXT 1351 lm - 3000K/CRI 80 - 220-240V / 17W - 1868 lm ≠ FIXT 1397 lm - 4000K/CRI 80 - 220-240V

**2700K**
Non Dimmable
- F026E2DA001
- F026E2DA006
- F026E2DA012
- F026E2DA018
- F026E2DA030
- F026E2DA033

1-10V
- F026E2DB001
- F026E2DB006
- F026E2DB012
- F026E2DB018
- F026E2DB030
- F026E2DB033

Dali
- F026E2DD001
- F026E2DD006
- F026E2DD012
- F026E2DD018
- F026E2DD030
- F026E2DD033

**3000K**
Non Dimmable
- F026E3DA001
- F026E3DA006
- F026E3DA012
- F026E3DA018
- F026E3DA030
- F026E3DA033

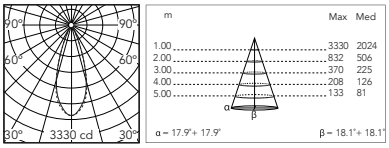
1-10V
- F026E3DB001
- F026E3DB006
- F026E3DB012
- F026E3DB018
- F026E3DB030
- F026E3DB033

Dali
- F026E3DD001
- F026E3DD006
- F026E3DD012
- F026E3DD018
- F026E3DD030
- F026E3DD033

**4000K**
Non Dimmable
- F026E4DA001
- F026E4DA006
- F026E4DA012
- F026E4DA018
- F026E4DA030
- F026E4DA033

1-10V
- F026E4DB001
- F026E4DB006
- F026E4DB012
- F026E4DB018
- F026E4DB030
- F026E4DB033

Dali
- F026E4DD001
- F026E4DD006
- F026E4DD012
- F026E4DD018
- F026E4DD030
- F026E4DD033




@ 3000K

### Optic Wide Flood 52º

**Power Led:** 17W - 1739 lm ≠ FIXT 1303 lm - 2700K/CRI 80 - 220-240V / 17W - 1803 lm ≠ FIXT 1357 lm - 3000K/CRI 80 - 220-240V / 17W - 1868 lm ≠ FIXT 1411 lm - 4000K/CRI 80 - 220-240V

**2700K**
Non Dimmable
- F026E2EA001
- F026E2EA006
- F026E2EA012
- F026E2EA018
- F026E2EA030
- F026E2EA033

1-10V
- F026E2EB001
- F026E2EB006
- F026E2EB012
- F026E2EB018
- F026E2EB030
- F026E2EB033

Dali
- F026E2ED001
- F026E2ED006
- F026E2ED012
- F026E2ED018
- F026E2ED030
- F026E2ED033

**3000K**
Non Dimmable
- F026E3EA001
- F026E3EA006
- F026E3EA012
- F026E3EA018
- F026E3EA030
- F026E3EA033

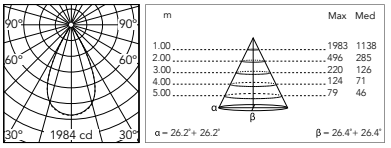
1-10V
- F026E3EB001
- F026E3EB006
- F026E3EB012
- F026E3EB018
- F026E3EB030
- F026E3EB033

Dali
- F026E3ED001
- F026E3ED006
- F026E3ED012
- F026E3ED018
- F026E3ED030
- F026E3ED033

**4000K**
Non Dimmable
- F026E4EA001
- F026E4EA006
- F026E4EA012
- F026E4EA018
- F026E4EA030
- F026E4EA033

1-10V
- F026E4EB001
- F026E4EB006
- F026E4EB012
- F026E4EB018
- F026E4EB030
- F026E4EB033

Dali
- F026E4ED001
- F026E4ED006
- F026E4ED012
- F026E4ED018
- F026E4ED030
- F026E4ED033




@ 3000K

### Optic Elliptical 1 14º x 50º

**Power Led:** 17W - 1739 lm ≠ FIXT 1315 lm - 2700K/CRI 80 - 220-240V / 17W - 1803 lm ≠ FIXT 1364 lm - 3000K/CRI 80 - 220-240V / 17W - 1868 lm ≠ FIXT 1410 lm - 4000K/CRI 80 - 220-240V

**2700K**
Non Dimmable
- F026E2FA001
- F026E2FA006
- F026E2FA012
- F026E2FA018
- F026E2FA030
- F026E2FA033

1-10V
- F026E2FB001
- F026E2FB006
- F026E2FB012
- F026E2FB018
- F026E2FB030
- F026E2FB033

Dali
- F026E2FD001
- F026E2FD006
- F026E2FD012
- F026E2FD018
- F026E2FD030
- F026E2FD033

**3000K**
Non Dimmable
- F026E3FA001
- F026E3FA006
- F026E3FA012
- F026E3FA018
- F026E3FA030
- F026E3FA033

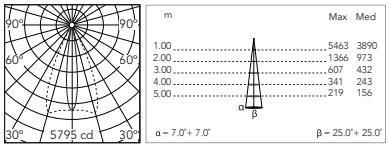
1-10V
- F026E3FB001
- F026E3FB006
- F026E3FB012
- F026E3FB018
- F026E3FB030
- F026E3FB033

Dali
- F026E3FD001
- F026E3FD006
- F026E3FD012
- F026E3FD018
- F026E3FD030
- F026E3FD033

**4000K**
Non Dimmable
- F026E4FA001
- F026E4FA006
- F026E4FA012
- F026E4FA018
- F026E4FA030
- F026E4FA033

1-10V
- F026E4FB001
- F026E4FB006
- F026E4FB012
- F026E4FB018
- F026E4FB030
- F026E4FB033

Dali
- F026E4FD001
- F026E4FD006
- F026E4FD012
- F026E4FD018
- F026E4FD030
- F026E4FD033



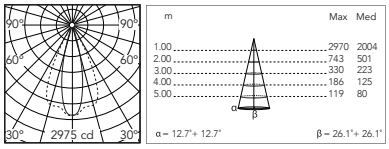

@ 3000K

## Spine 2 Pro Hp

### Optic Elliptical 2 25º x 52º

**Power Led:** 17W - 1739 lm ≠ FIXT 1298 lm - 2700K/CRI 80 - 220-240V / 17W - 1803 lm ≠ FIXT 1351 lm - 3000K/CRI 80 - 220-240V / 17W - 1868 lm ≠ FIXT 1393 lm - 4000K/CRI 80 - 220-240V

| 2700K | 3000K | 4000K |
|---|---|---|
| Non Dimmable | Non Dimmable | Non Dimmable |
| ○ F026E2GA001 | ○ F026E3GA001 | ○ F026E4GA001 |
| ● F026E2GA006 | ● F026E3GA006 | ● F026E4GA006 |
| ● F026E2GA012 | ● F026E3GA012 | ● F026E4GA012 |
| ● F026E2GA018 | ● F026E3GA018 | ● F026E4GA018 |
| ● F026E2GA030 | ● F026E3GA030 | ● F026E4GA030 |
| ● F026E2GA033 | ● F026E3GA033 | ● F026E4GA033 |
| 1-10V | 1-10V | 1-10V |
| ○ F026E2GB001 | ○ F026E3GB001 | ○ F026E4GB001 |
| ● F026E2GB006 | ● F026E3GB006 | ● F026E4GB006 |
| ● F026E2GB012 | ● F026E3GB012 | ● F026E4GB012 |
| ● F026E2GB018 | ● F026E3GB018 | ● F026E4GB018 |
| ● F026E2GB030 | ● F026E3GB030 | ● F026E4GB030 |
| ● F026E2GB033 | ● F026E3GB033 | ● F026E4GB033 |
| Dali | Dali | Dali |
| ○ F026E2GD001 | ○ F026E3GD001 | ○ F026E4GD001 |
| ● F026E2GD006 | ● F026E3GD006 | ● F026E4GD006 |
| ● F026E2GD012 | ● F026E3GD012 | ● F026E4GD012 |
| ● F026E2GD018 | ● F026E3GD018 | ● F026E4GD018 |
| ● F026E2GD030 | ● F026E3GD030 | ● F026E4GD030 |
| ● F026E2GD033 | ● F026E3GD033 | ● F026E4GD033 |

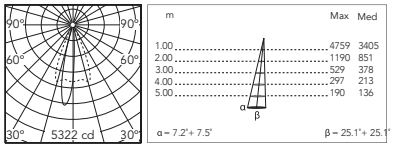



@ 3000K

### Optic Wall Washer

**Power Led:** 17W - 1739 lm ≠ FIXT 1277 lm - 2700K/CRI 80 - 220-240V / 17W - 1803 lm ≠ FIXT 1325 lm - 3000K/CRI 80 - 220-240V / 17W - 1868 lm ≠ FIXT 1370 lm - 4000K/CRI 80 - 220-240V

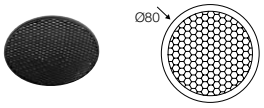
| 2700K | 3000K | 4000K |
|---|---|---|
| Non Dimmable | Non Dimmable | Non Dimmable |
| ○ F026E2HA001 | ○ F026E3HA001 | ○ F026E4HA001 |
| ● F026E2HA006 | ● F026E3HA006 | ● F026E4HA006 |
| ● F026E2HA012 | ● F026E3HA012 | ● F026E4HA012 |
| ● F026E2HA018 | ● F026E3HA018 | ● F026E4HA018 |
| ● F026E2HA030 | ● F026E3HA030 | ● F026E4HA030 |
| ● F026E2HA033 | ● F026E3HA033 | ● F026E4HA033 |
| 1-10V | 1-10V | 1-10V |
| ○ F026E2HB001 | ○ F026E3HB001 | ○ F026E4HB001 |
| ● F026E2HB006 | ● F026E3HB006 | ● F026E4HB006 |
| ● F026E2HB012 | ● F026E3HB012 | ● F026E4HB012 |
| ● F026E2HB018 | ● F026E3HB018 | ● F026E4HB018 |
| ● F026E2HB030 | ● F026E3HB030 | ● F026E4HB030 |
| ● F026E2HB033 | ● F026E3HB033 | ● F026E4HB033 |
| Dali | Dali | Dali |
| ○ F026E2HD001 | ○ F026E3HD001 | ○ F026E4HD001 |
| ● F026E2HD006 | ● F026E3HD006 | ● F026E4HD006 |
| ● F026E2HD012 | ● F026E3HD012 | ● F026E4HD012 |
| ● F026E2HD018 | ● F026E3HD018 | ● F026E4HD018 |
| ● F026E2HD030 | ● F026E3HD030 | ● F026E4HD030 |
| ● F026E2HD033 | ● F026E3HD033 | ● F026E4HD033 |




@ 3000K

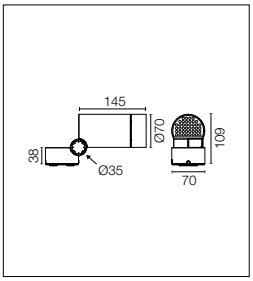
## Spine 2 Pro: Accessories / Accesorios

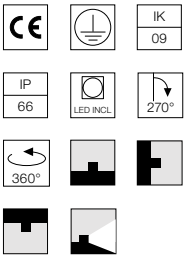
| | | |
|---|---|---|
| Ground spike. | Clavo metálico para instalación en suelo. | F026Z010000 |
| Honeycomb | Honeycomb Louvre | F026Z060000 |




Converter lenses / Lentes de conversión:

| | |
|---|---|
| - Converter Spine 2 Optic Medium Flood | F029Z020000 |
| - Converter Spine 2 Optic Flood | F029Z021000 |
| - Converter Spine 2 Optic Wide Flood | F029Z022000 |
| - Converter Spine 2 Optic Elliptic 1 | F029Z023000 |
| - Converter Spine 2 Optic Elliptic 2 | F029Z024000 |
| - Converter Spine 2 Optic Wall Washer | F029Z025000 |




Power LED source included. Equipped with an integrated snoot for higher visual comfort: the asymmetrical cut visor is available as an accessory. Collimators are available as an accessory to modify the beam opening. Integrated electric power supply 220-240V ON/OFF. Fixing plate included. The electrical connection is made on the inside of the plate by means of a watertight connector included. To guarantee its water tightness, it is recommended to use flexible cables designed for outdoor use. Ground spike for ground installations to be ordered separately.
Upon request: 1-10V or DALI dimmable version with 24Vdc remote power supply.

2200K available on request.

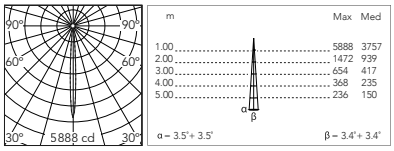
Fuente Power LED incluida. Equipada con snoot integrado para un confort visual mayor: como accesorio, está disponible el visor de corte asimétrico. Los colimadores son un accesorio disponible para modificar la apertura del haz lumínico. Fuente de alimentación eléctrica 220-240V ON/OFF integrada. Plaqueta de anclaje incluida. La conexión eléctrica se realiza en el interior de la plaqueta mediante conector estanco incluido. Para garantizar la estanqueidad se aconseja emplear cables flexibles para exteriores. Clavo metálico para la instalación en suelos, a pedir por separado.
Bajo petición, versión regulable 1-10V o DALI con fuente de alimentación remota 24Vdc.

2200K disponible bajo pedido.

### Optic Narrow Spot 7º

**Power Led:** 3,5W - 168 lm ≠ FIXT 143 lm - 2700K/CRI 80 - 220-240V / 3,5W - 174 lm ≠ FIXT 149 lm - 3000K/CRI 80 - 220-240V / 3,5W - 180 lm ≠ FIXT 154 lm - 4000K/CRI 80 - 220-240V

| 2700K | 3000K | 4000K |
|---|---|---|
| Non Dimmable | Non Dimmable | Non Dimmable |
| ○ F025B2AA001 | ○ F025B3AA001 | ○ F025B4AA001 |
| ● F025B2AA006 | ● F025B3AA006 | ● F025B4AA006 |
| ● F025B2AA012 | ● F025B3AA012 | ● F025B4AA012 |
| ● F025B2AA018 | ● F025B3AA018 | ● F025B4AA018 |
| ● F025B2AA030 | ● F025B3AA030 | ● F025B4AA030 |
| ● F025B2AA033 | ● F025B3AA033 | ● F025B4AA033 |

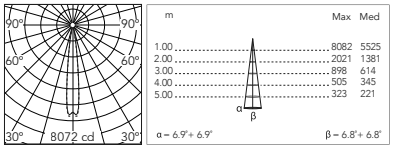



@ 3000K

### Optic Spot 14º

**Power Led:** 7,9W - 671 lm ≠ FIXT 550 lm - 2700K/CRI 80 - 220-240V / 7,9W - 696 lm ≠ FIXT 571 lm - 3000K/CRI 80 - 220-240V / 7,9W - 720 lm ≠ FIXT 591 lm - 4000K/CRI 80 - 220-240V

| 2700K | 3000K | 4000K |
|---|---|---|
| Non Dimmable | Non Dimmable | Non Dimmable |
| ○ F025B2BA001 | ○ F025B3BA001 | ○ F025B4BA001 |
| ● F025B2BA006 | ● F025B3BA006 | ● F025B4BA006 |
| ● F025B2BA012 | ● F025B3BA012 | ● F025B4BA012 |
| ● F025B2BA018 | ● F025B3BA018 | ● F025B4BA018 |
| ● F025B2BA030 | ● F025B3BA030 | ● F025B4BA030 |
| ● F025B2BA033 | ● F025B3BA033 | ● F025B4BA033 |

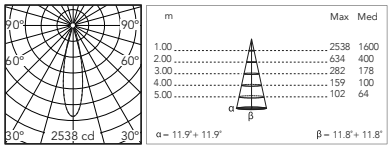



@ 3000K

### Optic Medium Flood 24,5º

**Power Led:** 7,9W - 671 lm ≠ FIXT 499 lm - 2700K/CRI 80 - 220-240V / 7,9W - 696 lm ≠ FIXT 518 lm - 3000K/CRI 80 - 220-240V / 7,9W - 720 lm ≠ FIXT 536 lm - 4000K/CRI 80 - 220-240V

| 2700K | 3000K | 4000K |
|---|---|---|
| Non Dimmable | Non Dimmable | Non Dimmable |
| ○ F025B2CA001 | ○ F025B3CA001 | ○ F025B4CA001 |
| ● F025B2CA006 | ● F025B3CA006 | ● F025B4CA006 |
| ● F025B2CA012 | ● F025B3CA012 | ● F025B4CA012 |
| ● F025B2CA018 | ● F025B3CA018 | ● F025B4CA018 |
| ● F025B2CA030 | ● F025B3CA030 | ● F025B4CA030 |
| ● F025B2CA033 | ● F025B3CA033 | ● F025B4CA033 |

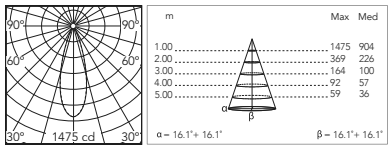



@ 3000K

### Optic Flood 32º

**Power Led:** 7,9W - 671 lm ≠ FIXT 482 lm - 2700K/CRI 80 - 220-240V / 7,9W - 696 lm ≠ FIXT 500 lm - 3000K/CRI 80 - 220-240V / 7,9W - 720 lm ≠ FIXT 518 lm - 4000K/CRI 80 - 220-240V

| 2700K | 3000K | 4000K |
|---|---|---|
| Non Dimmable | Non Dimmable | Non Dimmable |
| ○ F025B2DA001 | ○ F025B3DA001 | ○ F025B4DA001 |
| ● F025B2DA006 | ● F025B3DA006 | ● F025B4DA006 |
| ● F025B2DA012 | ● F025B3DA012 | ● F025B4DA012 |
| ● F025B2DA018 | ● F025B3DA018 | ● F025B4DA018 |
| ● F025B2DA030 | ● F025B3DA030 | ● F025B4DA030 |
| ● F025B2DA033 | ● F025B3DA033 | ● F025B4DA033 |

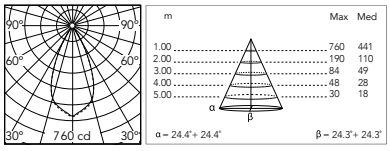



@ 3000K

### Optic Wide Flood 49º

**Power Led:** 7,9W - 671 lm ≠ FIXT 480 lm - 2700K/CRI 80 - 220-240V / 7,9W - 696 lm ≠ FIXT 490 lm - 3000K/CRI 80 - 220-240V / 7,9W - 720 lm ≠ FIXT 505 lm - 4000K/CRI 80 - 220-240V

| 2700K | 3000K | 4000K |
|---|---|---|
| Non Dimmable | Non Dimmable | Non Dimmable |
| F025B2EA001 | F025B3EA001 | F025B4EA001 |
| F025B2EA006 | F025B3EA006 | F025B4EA006 |
| F025B2EA012 | F025B3EA012 | F025B4EA012 |
| F025B2EA018 | F025B3EA018 | F025B4EA018 |
| F025B2EA030 | F025B3EA030 | F025B4EA030 |
| F025B2EA033 | F025B3EA033 | F025B4EA033 |

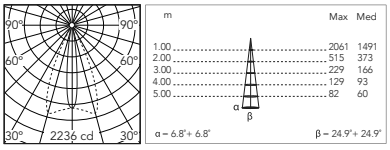



@ 3000K

### Optic Elliptical 1 13,5º x 50º

**Power Led:** 7,9W - 671 lm ≠ FIXT 500 lm - 2700K/CRI 80 - 220-240V / 7,9W - 696 lm ≠ FIXT 519 lm - 3000K/CRI 80 - 220-240V / 7,9W - 720 lm ≠ FIXT 537 lm - 4000K/CRI 80 - 220-240V

| 2700K | 3000K | 4000K |
|---|---|---|
| Non Dimmable | Non Dimmable | Non Dimmable |
| F025B2FA001 | F025B3FA001 | F025B4FA001 |
| F025B2FA006 | F025B3FA006 | F025B4FA006 |
| F025B2FA012 | F025B3FA012 | F025B4FA012 |
| F025B2FA018 | F025B3FA018 | F025B4FA018 |
| F025B2FA030 | F025B3FA030 | F025B4FA030 |
| F025B2FA033 | F025B3FA033 | F025B4FA033 |

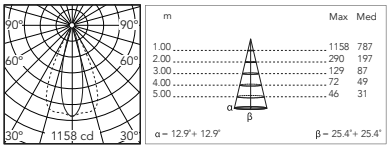



@ 3000K

### Optic Elliptical 2 26º x 51º

**Power Led:** 7,9W - 671 lm ≠ FIXT 487 lm - 2700K/CRI 80 - 220-240V / 7,9W - 696 lm ≠ FIXT 505 lm - 3000K/CRI 80 - 220-240V / 7,9W - 720 lm ≠ FIXT 523 lm - 4000K/CRI 80 - 220-240V

| 2700K | 3000K | 4000K |
|---|---|---|
| Non Dimmable | Non Dimmable | Non Dimmable |
| F025B2GA001 | F025B3GA001 | F025B4GA001 |
| F025B2GA006 | F025B3GA006 | F025B4GA006 |
| F025B2GA012 | F025B3GA012 | F025B4GA012 |
| F025B2GA018 | F025B3GA018 | F025B4GA018 |
| F025B2GA030 | F025B3GA030 | F025B4GA030 |
| F025B2GA033 | F025B3GA033 | F025B4GA033 |

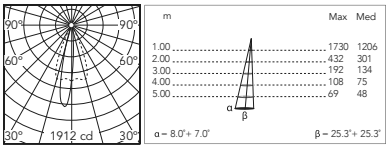



@ 3000K

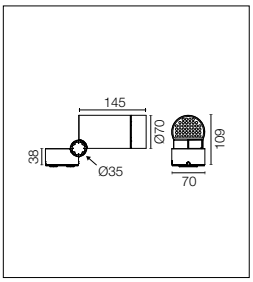
### Optic Wall Washer

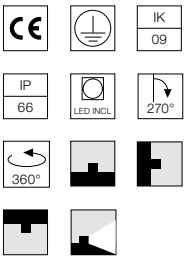
**Power Led:** 7,9W - 671 lm ≠ FIXT 471 lm - 2700K/CRI 80 - 220-240V / 7,9W - 696 lm ≠ FIXT 489 lm - 3000K/CRI 80 - 220-240V / 7,9W - 720 lm ≠ FIXT 506 lm - 4000K/CRI 80 - 220-240V

| 2700K | 3000K | 4000K |
|---|---|---|
| Non Dimmable | Non Dimmable | Non Dimmable |
| F025B2HA001 | F025B3HA001 | F025B4HA001 |
| F025B2HA006 | F025B3HA006 | F025B4HA006 |
| F025B2HA012 | F025B3HA012 | F025B4HA012 |
| F025B2HA018 | F025B3HA018 | F025B4HA018 |
| F025B2HA030 | F025B3HA030 | F025B4HA030 |
| F025B2HA033 | F025B3HA033 | F025B4HA033 |




@ 3000K



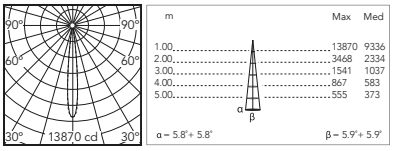

Energy-efficient Power LED source included Equipped with an integrated snoot for higher visual comfort: the asymmetrical cut visor is available as an accessory. Collimators are available as an accessory to modify the beam opening. Integrated electric power supply 220-240V ON/OFF. Fixing plate included. The electrical connection is made on the inside of the plate by means of a watertight connector included. To guarantee its water tightness, it is recommended to use flexible cables designed for outdoor use. Ground spike for ground installations to be ordered separately. Upon request: 1-10V or DALI dimmable version with 24Vdc remote power supply

Fuente Power LED de bajo consumo incluida. Equipada con snoot integrado para un confort visual mayor: como accesorio, está disponible el visor de corte asimétrico. Los colimadores son un accesorio disponible para modificar la apertura del haz lumínico. Fuente de alimentación eléctrica 220-240V ON/OFF integrada. Plaqueta de anclaje incluida. La conexión eléctrica se realiza en el interior de la plaqueta mediante conector estanco incluido. Para garantizar la estanqueidad se aconseja emplear cables flexibles para exteriores. Clavo metálico para la instalación en suelos, a pedir por separado.
Bajo petición, versión regulable 1-10V o DALI con fuente de alimentación remota 24Vdc.

### Optic Spot 12º

**Power Led:** 10,5W - 920 lm ≠ FIXT 680 lm - 2700K/CRI 80 - 220-240V / 10,5W - 966 lm ≠ FIXT 706 lm - 3000K/CRI 80 - 220-240V / 10,5W - 1012 lm ≠ FIXT 730 lm - 4000K/CRI 80 - 220-240V

| 2700K | 3000K | 4000K |
|---|---|---|
| Non Dimmable | Non Dimmable | Non Dimmable |
| F025C2BA001 | F025C3BA001 | F025C4BA001 |
| F025C2BA006 | F025C3BA006 | F025C4BA006 |
| F025C2BA012 | F025C3BA012 | F025C4BA012 |
| F025C2BA018 | F025C3BA018 | F025C4BA018 |
| F025C2BA030 | F025C3BA030 | F025C4BA030 |
| F025C2BA033 | F025C3BA033 | F025C4BA033 |

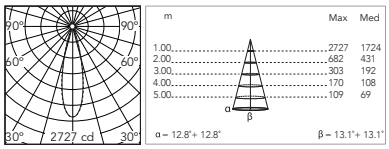



@ 3000K

### Optic Medium Flood 26,5º

**Power Led:** 10,5W - 920 lm ≠ FIXT 594 lm - 2700K/CRI 80 - 220-240V / 10,5W - 966 lm ≠ FIXT 630 lm - 3000K/CRI 80 - 220-240V / 10,5W - 1012 lm ≠ FIXT 654 lm - 4000K/CRI 80 - 220-240V

| 2700K | 3000K | 4000K |
|---|---|---|
| Non Dimmable | Non Dimmable | Non Dimmable |
| F025C2CA001 | F025C3CA001 | F025C4CA001 |
| F025C2CA006 | F025C3CA006 | F025C4CA006 |
| F025C2CA012 | F025C3CA012 | F025C4CA012 |
| F025C2CA018 | F025C3CA018 | F025C4CA018 |
| F025C2CA030 | F025C3CA030 | F025C4CA030 |
| F025C2CA033 | F025C3CA033 | F025C4CA033 |

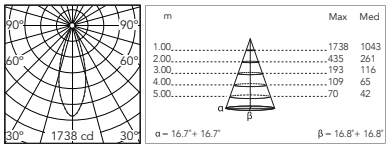



@ 3000K

### Optic Flood 33,5º

**Power Led:** 10,5W - 920 lm ≠ FIXT 592 lm - 2700K/CRI 80 - 220-240V / 10,5W - 966 lm ≠ FIXT 627 lm - 3000K/CRI 80 - 220-240V / 10,5W - 1012 lm ≠ FIXT 651 lm - 4000K/CRI 80 - 220-240V

| 2700K | 3000K | 4000K |
|---|---|---|
| Non Dimmable | Non Dimmable | Non Dimmable |
| F025C2DA001 | F025C3DA001 | F025C4DA001 |
| F025C2DA006 | F025C3DA006 | F025C4DA006 |
| F025C2DA012 | F025C3DA012 | F025C4DA012 |
| F025C2DA018 | F025C3DA018 | F025C4DA018 |
| F025C2DA030 | F025C3DA030 | F025C4DA030 |
| F025C2DA033 | F025C3DA033 | F025C4DA033 |

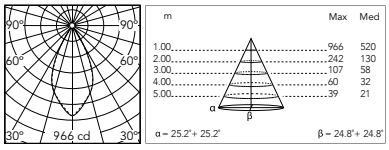



@ 3000K

### Optic Wide Flood 50º

**Power Led:** 10,5W - 920 lm ≠ FIXT 591 lm - 2700K/CRI 80 - 220-240V / 10,5W - 966 lm ≠ FIXT 619 lm - 3000K/CRI 80 - 220-240V / 10,5W - 1012 lm ≠ FIXT 650 lm - 4000K/CRI 80 - 220-240V

| 2700K | 3000K | 4000K |
|---|---|---|
| Non Dimmable | Non Dimmable | Non Dimmable |
| F025C2EA001 | F025C3EA001 | F025C4EA001 |
| F025C2EA006 | F025C3EA006 | F025C4EA006 |
| F025C2EA012 | F025C3EA012 | F025C4EA012 |
| F025C2EA018 | F025C3EA018 | F025C4EA018 |
| F025C2EA030 | F025C3EA030 | F025C4EA030 |
| F025C2EA033 | F025C3EA033 | F025C4EA033 |



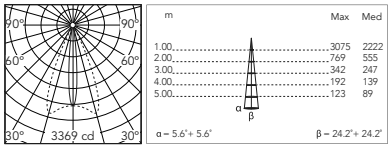

@ 3000K

## Spine 1 Ultra Hp

### Optic Elliptical 1 11,5º x 49º

**Power Led:** 10,5W - 920 lm ≠ FIXT 603 lm - 2700K/CRI 80 - 220-240V / 10,5W - 966 lm ≠ FIXT 639 lm - 3000K/CRI 80 - 220-240V / 10,5W - 1012 lm ≠ FIXT 663 lm - 4000K/CRI 80 - 220-240V

| 2700K | 3000K | 4000K |
|---|---|---|
| Non Dimmable | Non Dimmable | Non Dimmable |
| ○ F025C2FA001 | ○ F025C3FA001 | ○ F025C4FA001 |
| ● F025C2FA006 | ● F025C3FA006 | ● F025C4FA006 |
| ● F025C2FA012 | ● F025C3FA012 | ● F025C4FA012 |
| ● F025C2FA018 | ● F025C3FA018 | ● F025C4FA018 |
| ● F025C2FA030 | ● F025C3FA030 | ● F025C4FA030 |
| ● F025C2FA033 | ● F025C3FA033 | ● F025C4FA033 |

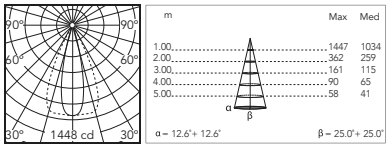



@ 3000K

### Optic Elliptical 2 25,5º x 50º

**Power Led:** 10,5W - 920 lm ≠ FIXT 601 lm - 2700K/CRI 80 - 220-240V / 10,5W - 966 lm ≠ FIXT 624 lm - 3000K/CRI 80 - 220-240V / 10,5W - 1012 lm ≠ FIXT 645 lm - 4000K/CRI 80 - 220-240V

| 2700K | 3000K | 4000K |
|---|---|---|
| Non Dimmable | Non Dimmable | Non Dimmable |
| ○ F025C2GA001 | ○ F025C3GA001 | ○ F025C4GA001 |
| ● F025C2GA006 | ● F025C3GA006 | ● F025C4GA006 |
| ● F025C2GA012 | ● F025C3GA012 | ● F025C4GA012 |
| ● F025C2GA018 | ● F025C3GA018 | ● F025C4GA018 |
| ● F025C2GA030 | ● F025C3GA030 | ● F025C4GA030 |
| ● F025C2GA033 | ● F025C3GA033 | ● F025C4GA033 |

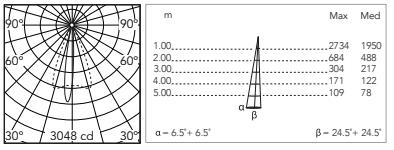



@ 3000K

### Optic Wall Washer

**Power Led:** 10,5W - 920 lm ≠ FIXT 574 lm - 2700K/CRI 80 - 220-240V / 10,5W - 966 lm ≠ FIXT 609 lm - 3000K/CRI 80 - 220-240V / 10,5W - 1012 lm ≠ FIXT 631 lm - 4000K/CRI 80 - 220-240V

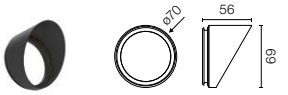
| 2700K | 3000K | 4000K |
|---|---|---|
| Non Dimmable | Non Dimmable | Non Dimmable |
| ○ F025C2HA001 | ○ F025C3HA001 | ○ F025C4HA001 |
| ● F025C2HA006 | ● F025C3HA006 | ● F025C4HA006 |
| ● F025C2HA012 | ● F025C3HA012 | ● F025C4HA012 |
| ● F025C2HA018 | ● F025C3HA018 | ● F025C4HA018 |
| ● F025C2HA030 | ● F025C3HA030 | ● F025C4HA030 |
| ● F025C2HA033 | ● F025C3HA033 | ● F025C4HA033 |




@ 3000K

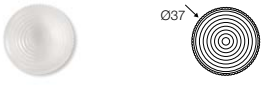
## Spine 1 Ultra: Accessories / Accesorios

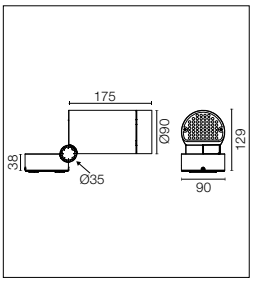
| | | |
|---|---|---|
| Visor | Visor | ○ F025Z050001<br>● F025Z050006<br>● F025Z050012<br>● F025Z050018<br>● F025Z050030<br>● F025Z050033 |
| Ground spike. | Clavo metálico para instalación en suelo. | F026Z010000 |
| Honeycomb | Honeycomb Louvre | F025Z060000 |

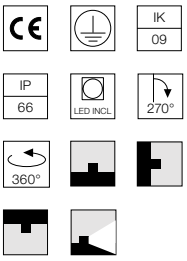


Converter lenses / Llentes de conversión:

| | |
|---|---|
| - Converter Spine 1 Optic Medium Flood | F029Z010000 |
| - Converter Spine 1 Optic Flood | F029Z011000 |
| - Converter Spine 1 Optic Wide Flood | F029Z012000 |
| - Converter Spine 1 Optic Elliptic 1 | F029Z013000 |
| - Converter Spine 1 Optic Elliptic 2 | F029Z014000 |
| - Converter Spine 1 Optic Wall Washer | F029Z015000 |






Power LED source included. Equipped with an integrated snoot for higher visual comfort: the asymmetrical cut visor is available as an accessory. Collimators are available as an accessory to modify the beam opening. Integrated electric power supply 220-240V ON/OFF and adjustable 1-10V or DALI. Fixing plate included. The electrical connection is made on the inside of the plate by means of a watertight connector included. To guarantee its water tightness, it is recommended to use flexible cables designed for outdoor use. Ground spike for ground installations to be ordered separately.

Optic Narrow Spot

2200K available on request.

Fuente Power LED. Equipada con snoot integrado para un confort visual mayor: como accesorio, está disponible el visor de corte asimétrico. Los colimadores son un accesorio disponible para modificar la apertura del haz lumínico. Fuente de alimentación eléctrica 220-240V ON/OFF y regulable 1-10V o DALI integrada. Plaqueta de anclaje incluida. La conexión eléctrica se realiza en el interior de la plaqueta mediante conector estanco incluido. Para garantizar la estanqueidad se aconseja emplear cables flexibles para exteriores. Clavo metálico para la instalación en suelos, a pedir por separado.

Optic Narrow Spot

2200K disponible bajo pedido.

### Optic Narrow Spot 6º

**Power Led:** 4,1W - 248 lm ≠ FIXT 230 lm - 2700K/CRI 80 - 220-240V / 4,1W - 258 lm ≠ FIXT 239 lm - 3000K/CRI 80 - 220-240V / 4,1W - 267 lm ≠ FIXT 247 lm - 4000K/CRI 80 - 220-240V

**2700K**

Non Dimmable
- F026B2AA001
- F026B2AA006
- F026B2AA012
- F026B2AA018
- F026B2AA030
- F026B2AA033

1-10V
- F026B2AB001
- F026B2AB006
- F026B2AB012
- F026B2AB018
- F026B2AB030
- F026B2AB033

Dali
- F026B2AD001
- F026B2AD006
- F026B2AD012
- F026B2AD018
- F026B2AD030
- F026B2AD033

**3000K**

Non Dimmable
- F026B3AA001
- F026B3AA006
- F026B3AA012
- F026B3AA018
- F026B3AA030
- F026B3AA033

1-10V
- F026B3AB001
- F026B3AB006
- F026B3AB012
- F026B3AB018
- F026B3AB030
- F026B3AB033

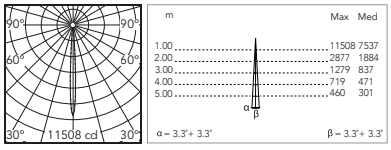
Dali
- F026B3AD001
- F026B3AD006
- F026B3AD012
- F026B3AD018
- F026B3AD030
- F026B3AD033

**4000K**

Non Dimmable
- F026B4AA001
- F026B4AA006
- F026B4AA012
- F026B4AA018
- F026B4AA030
- F026B4AA033

1-10V
- F026B4AB001
- F026B4AB006
- F026B4AB012
- F026B4AB018
- F026B4AB030
- F026B4AB033

Dali
- F026B4AD001
- F026B4AD006
- F026B4AD012
- F026B4AD018
- F026B4AD030
- F026B4AD033




@ 3000K

### Optic Spot 9,5º

**Power Led:** 10,5W - 920 lm ≠ FIXT 769 lm - 2700K/CRI 80 - 220-240Vv / 10,5W - 966 lm ≠ FIXT 808 lm - 3000K/CRI 80 - 220-240V / 10,5W - 1012 lm ≠ FIXT 846 lm - 4000K/CRI 80 - 220-240V

**2700K**

Non Dimmable
- F026B2BA001
- F026B2BA006
- F026B2BA012
- F026B2BA018
- F026B2BA030
- F026B2BA033

1-10V
- F026B2BB001
- F026B2BB006
- F026B2BB012
- F026B2BB018
- F026B2BB030
- F026B2BB033

Dali
- F026B2BD001
- F026B2BD006
- F026B2BD012
- F026B2BD018
- F026B2BD030
- F026B2BD033

**3000K**

Non Dimmable
- F026B3BA001
- F026B3BA006
- F026B3BA012
- F026B3BA018
- F026B3BA030
- F026B3BA033

1-10V
- F026B3BB001
- F026B3BB006
- F026B3BB012
- F026B3BB018
- F026B3BB030
- F026B3BB033

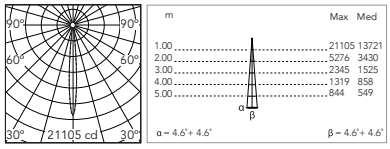
Dali
- F026B3BD001
- F026B3BD006
- F026B3BD012
- F026B3BD018
- F026B3BD030
- F026B3BD033

**4000K**

Non Dimmable
- F026B4BA001
- F026B4BA006
- F026B4BA012
- F026B4BA018
- F026B4BA030
- F026B4BA033

1-10V
- F026B4BB001
- F026B4BB006
- F026B4BB012
- F026B4BB018
- F026B4BB030
- F026B4BB033

Dali
- F026B4BD001
- F026B4BD006
- F026B4BD012
- F026B4BD018
- F026B4BD030
- F026B4BD033




@ 3000K

### Optic Medium Flood 28º

**Power Led:** 10,5W - 920 lm ≠ FIXT 715 lm - 2700K/CRI 80 - 220-240V / 10,5W - 966 lm ≠ FIXT 742 lm - 3000K/CRI 80 - 220-240V / 10,5W - 1012 lm ≠ FIXT 767 lm - 4000K/CRI 80 - 220-240V

**2700K**
Non Dimmable
- F026B2CA001
- F026B2CA006
- F026B2CA012
- F026B2CA018
- F026B2CA030
- F026B2CA033

1-10V
- F026B2CB001
- F026B2CB006
- F026B2CB012
- F026B2CB018
- F026B2CB030
- F026B2CB033

Dali
- F026B2CD001
- F026B2CD006
- F026B2CD012
- F026B2CD018
- F026B2CD030
- F026B2CD033

**3000K**
Non Dimmable
- F026B3CA001
- F026B3CA006
- F026B3CA012
- F026B3CA018
- F026B3CA030
- F026B3CA033

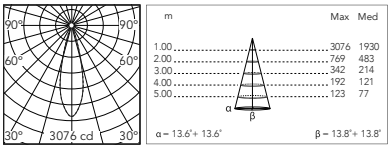
1-10V
- F026B3CB001
- F026B3CB006
- F026B3CB012
- F026B3CB018
- F026B3CB030
- F026B3CB033

Dali
- F026B3CD001
- F026B3CD006
- F026B3CD012
- F026B3CD018
- F026B3CD030
- F026B3CD033

**4000K**
Non Dimmable
- F026B4CA001
- F026B4CA006
- F026B4CA012
- F026B4CA018
- F026B4CA030
- F026B4CA033

1-10V
- F026B4CB001
- F026B4CB006
- F026B4CB012
- F026B4CB018
- F026B4CB030
- F026B4CB033

Dali
- F026B4CD001
- F026B4CD006
- F026B4CD012
- F026B4CD018
- F026B4CD030
- F026B4CD033




@ 3000K

### Optic Flood 33º

**Power Led:** 10,5W - 920 lm ≠ FIXT 695 lm - 2700K/CRI 80 - 220-240V / 10,5W - 966 lm ≠ FIXT 721 lm - 3000K/CRI 80 - 220-240V / 10,5W - 1012 lm ≠ FIXT 746 lm - 4000K/CRI 80 - 220-240V

**2700K**
Non Dimmable
- F026B2DA001
- F026B2DA006
- F026B2DA012
- F026B2DA018
- F026B2DA030
- F026B2DA033

1-10V
- F026B2DB001
- F026B2DB006
- F026B2DB012
- F026B2DB018
- F026B2DB030
- F026B2DB033

Dali
- F026B2DD001
- F026B2DD006
- F026B2DD012
- F026B2DD018
- F026B2DD030
- F026B2DD033

**3000K**
Non Dimmable
- F026B3DA001
- F026B3DA006
- F026B3DA012
- F026B3DA018
- F026B3DA030
- F026B3DA033

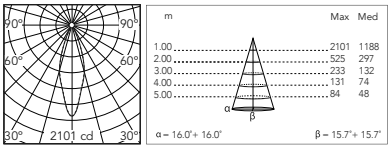
1-10V
- F026B3DB001
- F026B3DB006
- F026B3DB012
- F026B3DB018
- F026B3DB030
- F026B3DB033

Dali
- F026B3DD001
- F026B3DD006
- F026B3DD012
- F026B3DD018
- F026B3DD030
- F026B3DD033

**4000K**
Non Dimmable
- F026B4DA001
- F026B4DA006
- F026B4DA012
- F026B4DA018
- F026B4DA030
- F026B4DA033

1-10V
- F026B4DB001
- F026B4DB006
- F026B4DB012
- F026B4DB018
- F026B4DB030
- F026B4DB033

Dali
- F026B4DD001
- F026B4DD006
- F026B4DD012
- F026B4DD018
- F026B4DD030
- F026B4DD033




@ 3000K

### Optic Wide Flood 51º

**Power Led:** 10,5W - 920 lm ≠ FIXT 711 lm - 2700K/CRI 80 - 220-240V / 10,5W - 966 lm ≠ FIXT 741 lm - 3000K/CRI 80 - 220-240V / 10,5W - 1012 lm ≠ FIXT 778 lm - 4000K/CRI 80 - 220-240V

**2700K**
Non Dimmable
- F026B2EA001
- F026B2EA006
- F026B2EA012
- F026B2EA018
- F026B2EA030
- F026B2EA033

1-10V
- F026B2EB001
- F026B2EB006
- F026B2EB012
- F026B2EB018
- F026B2EB030
- F026B2EB033

Dali
- F026B2ED001
- F026B2ED006
- F026B2ED012
- F026B2ED018
- F026B2ED030
- F026B2ED033

**3000K**
Non Dimmable
- F026B3EA001
- F026B3EA006
- F026B3EA012
- F026B3EA018
- F026B3EA030
- F026B3EA033

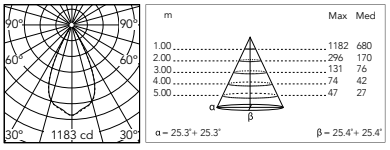
1-10V
- F026B3EB001
- F026B3EB006
- F026B3EB012
- F026B3EB018
- F026B3EB030
- F026B3EB033

Dali
- F026B3ED001
- F026B3ED006
- F026B3ED012
- F026B3ED018
- F026B3ED030
- F026B3ED033

**4000K**
Non Dimmable
- F026B4EA001
- F026B4EA006
- F026B4EA012
- F026B4EA018
- F026B4EA030
- F026B4EA033

1-10V
- F026B4EB001
- F026B4EB006
- F026B4EB012
- F026B4EB018
- F026B4EB030
- F026B4EB033

Dali
- F026B4ED001
- F026B4ED006
- F026B4ED012
- F026B4ED018
- F026B4ED030
- F026B4ED033




@ 3000K

### Optic Elliptical 1 9,5º x 48º

**Power Led:** 10,5W - 920 lm ≠ FIXT 717 lm - 2700K/CRI 80 - 220-240V / 10,5W - 966 lm ≠ FIXT 744 lm - 3000K/CRI 80 - 220-240V / 10,5W - 1012 lm ≠ FIXT 770 lm - 4000K/CRI 80 - 220-240V

**2700K**
Non Dimmable
- F026B2FA001
- F026B2FA006
- F026B2FA012
- F026B2FA018
- F026B2FA030
- F026B2FA033

1-10V
- F026B2FB001
- F026B2FB006
- F026B2FB012
- F026B2FB018
- F026B2FB030
- F026B2FB033

Dali
- F026B2FD001
- F026B2FD006
- F026B2FD012
- F026B2FD018
- F026B2FD030
- F026B2FD033

**3000K**
Non Dimmable
- F026B3FA001
- F026B3FA006
- F026B3FA012
- F026B3FA018
- F026B3FA030
- F026B3FA033

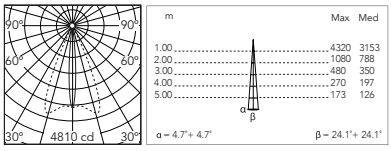
1-10V
- F026B3FB001
- F026B3FB006
- F026B3FB012
- F026B3FB018
- F026B3FB030
- F026B3FB033

Dali
- F026B3FD001
- F026B3FD006
- F026B3FD012
- F026B3FD018
- F026B3FD030
- F026B3FD033

**4000K**
Non Dimmable
- F026B4FA001
- F026B4FA006
- F026B4FA012
- F026B4FA018
- F026B4FA030
- F026B4FA033

1-10V
- F026B4FB001
- F026B4FB006
- F026B4FB012
- F026B4FB018
- F026B4FB030
- F026B4FB033

Dali
- F026B4FD001
- F026B4FD006
- F026B4FD012
- F026B4FD018
- F026B4FD030
- F026B4FD033




@ 3000K

### Optic Elliptical 2 24º x 50º

**Power Led:** 10,5W - 920 lm ≠ FIXT 699 lm - 2700K/CRI 80 - 220-240V / 10,5W - 966 lm ≠ FIXT 725 lm - 3000K/CRI 80 - 220-240V / 10,5W - 1012 lm ≠ FIXT 750 lm - 4000K/CRI 80 - 220-240V

**2700K**
Non Dimmable
- F026B2GA001
- F026B2GA006
- F026B2GA012
- F026B2GA018
- F026B2GA030
- F026B2GA033

1-10V
- F026B2GB001
- F026B2GB006
- F026B2GB012
- F026B2GB018
- F026B2GB030
- F026B2GB033

Dali
- F026B2GD001
- F026B2GD006
- F026B2GD012
- F026B2GD018
- F026B2GD030
- F026B2GD033

**3000K**
Non Dimmable
- F026B3GA001
- F026B3GA006
- F026B3GA012
- F026B3GA018
- F026B3GA030
- F026B3GA033

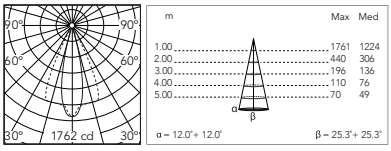
1-10V
- F026B3GB001
- F026B3GB006
- F026B3GB012
- F026B3GB018
- F026B3GB030
- F026B3GB033

Dali
- F026B3GD001
- F026B3GD006
- F026B3GD012
- F026B3GD018
- F026B3GD030
- F026B3GD033

**4000K**
Non Dimmable
- F026B4GA001
- F026B4GA006
- F026B4GA012
- F026B4GA018
- F026B4GA030
- F026B4GA033

1-10V
- F026B4GB001
- F026B4GB006
- F026B4GB012
- F026B4GB018
- F026B4GB030
- F026B4GB033

Dali
- F026B4GD001
- F026B4GD006
- F026B4GD012
- F026B4GD018
- F026B4GD030
- F026B4GD033




@ 3000K

### Optic Wall Washer

**Power Led:** 10,5W - 920 lm ≠ FIXT 673 lm - 2700K/CRI 80 - 220-240V / 10,5W - 966 lm ≠ FIXT 698 lm - 3000K/CRI 80 - 220-240V / 10,5W - 1012 lm ≠ FIXT 672 lm - 4000K/CRI 80 - 220-240V

**2700K**
Non Dimmable
- F026B2HA001
- F026B2HA006
- F026B2HA012
- F026B2HA018
- F026B2HA030
- F026B2HA033

1-10V
- F026B2HB001
- F026B2HB006
- F026B2HB012
- F026B2HB018
- F026B2HB030
- F026B2HB033

Dali
- F026B2HD001
- F026B2HD006
- F026B2HD012
- F026B2HD018
- F026B2HD030
- F026B2HD033

**3000K**
Non Dimmable
- F026B3HA001
- F026B3HA006
- F026B3HA012
- F026B3HA018
- F026B3HA030
- F026B3HA033

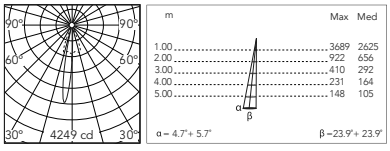
1-10V
- F026B3HB001
- F026B3HB006
- F026B3HB012
- F026B3HB018
- F026B3HB030
- F026B3HB033

Dali
- F026B3HD001
- F026B3HD006
- F026B3HD012
- F026B3HD018
- F026B3HD030
- F026B3HD033

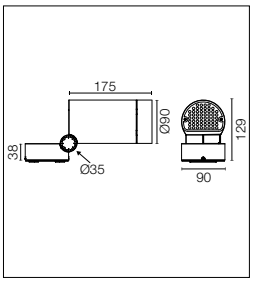
**4000K**
Non Dimmable
- F026B4HA001
- F026B4HA006
- F026B4HA012
- F026B4HA018
- F026B4HA030
- F026B4HA033

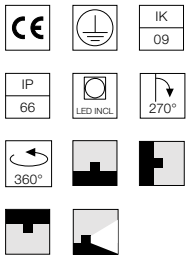
1-10V
- F026B4HB001
- F026B4HB006
- F026B4HB012
- F026B4HB018
- F026B4HB030
- F026B4HB033

Dali
- F026B4HD001
- F026B4HD006
- F026B4HD012
- F026B4HD018
- F026B4HD030
- F026B4HD033




@ 3000K




Energy-efficient Power LED source included Equipped with an integrated snoot for higher visual comfort: the asymmetrical cut visor is available as an accessory. Collimators are available as an accessory to modify the beam opening. Integrated electric power supply 220-240V ON/OFF and adjustable 1-10V or DALI. Fixing plate included. The electrical connection is made on the inside of the plate by means of a watertight connector included. To guarantee its water tightness, it is recommended to use flexible cables designed for outdoor use. Ground spike for ground installations to be ordered separately.

2200K available on request.

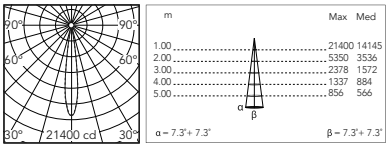
Fuente Power LED de bajo consumo incluida. Equipada con snoot integrado para un confort visual mayor: como accesorio, está disponible el visor de corte asimétrico. Los colimadores son un accesorio disponible para modificar la apertura del haz lumínico. Fuente de alimentación eléctrica 220-240V ON/OFF y regulable 1-10V o DALI integrada. Plaqueta de anclaje incluida. La conexión eléctrica se realiza en el interior de la plaqueta mediante conector estanco incluido. Para garantizar la estanqueidad se aconseja emplear cables flexibles para exteriores. Clavo metálico para la instalación en suelos, a pedir por separado.

2200K disponible bajo pedido.

### Optic Spot 14,5º

**Power Led:** 17W - 1739 lm ≠ FIXT 1443 lm - 2700K/CRI 80 - 220-240V / 17W - 1803 lm ≠ FIXT 1497 lm - 3000K/CRI 80 - 220-240V / 17W - 1868 lm ≠ FIXT 1548 lm - 4000K/CRI 80 - 220-240V

| 2700K | 3000K | 4000K |
|---|---|---|
| Non Dimmable | Non Dimmable | Non Dimmable |
| F026C2BA001 | F026C3BA001 | F026C4BA001 |
| F026C2BA006 | F026C3BA006 | F026C4BA006 |
| F026C2BA012 | F026C3BA012 | F026C4BA012 |
| F026C2BA018 | F026C3BA018 | F026C4BA018 |
| F026C2BA030 | F026C3BA030 | F026C4BA030 |
| F026C2BA033 | F026C3BA033 | F026C4BA033 |
| 1-10V | 1-10V | 1-10V |
| F026C2BB001 | F026C3BB001 | F026C4BB001 |
| F026C2BB006 | F026C3BB006 | F026C4BB006 |
| F026C2BB012 | F026C3BB012 | F026C4BB012 |
| F026C2BB018 | F026C3BB018 | F026C4BB018 |
| F026C2BB030 | F026C3BB030 | F026C4BB030 |
| F026C2BB033 | F026C3BB033 | F026C4BB033 |
| Dali | Dali | Dali |
| F026C2BD001 | F026C3BD001 | F026C4BD001 |
| F026C2BD006 | F026C3BD006 | F026C4BD006 |
| F026C2BD012 | F026C3BD012 | F026C4BD012 |
| F026C2BD018 | F026C3BD018 | F026C4BD018 |
| F026C2BD030 | F026C3BD030 | F026C4BD030 |
| F026C2BD033 | F026C3BD033 | F026C4BD033 |

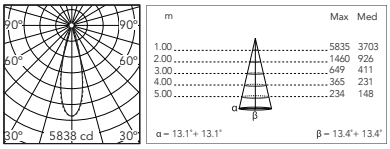



@ 3000K

### Optic Medium Flood 26º

**Power Led:** 17W - 1739 lm ≠ FIXT 1336 lm - 2700K/CRI 80 - 220-240V / 17W - 1803 lm ≠ FIXT 1386 lm - 3000K/CRI 80 - 220-240V / 17W - 1868 lm ≠ FIXT 1434 lm - 4000K/CRI 80 - 220-240V

| 2700K | 3000K | 4000K |
|---|---|---|
| Non Dimmable | Non Dimmable | Non Dimmable |
| F026C2CA001 | F026C3CA001 | F026C4CA001 |
| F026C2CA006 | F026C3CA006 | F026C4CA006 |
| F026C2CA012 | F026C3CA012 | F026C4CA012 |
| F026C2CA018 | F026C3CA018 | F026C4CA018 |
| F026C2CA030 | F026C3CA030 | F026C4CA030 |
| F026C2CA033 | F026C3CA033 | F026C4CA033 |
| 1-10V | 1-10V | 1-10V |
| F026C2CB001 | F026C3CB001 | F026C4CB001 |
| F026C2CB006 | F026C3CB006 | F026C4CB006 |
| F026C2CB012 | F026C3CB012 | F026C4CB012 |
| F026C2CB018 | F026C3CB018 | F026C4CB018 |
| F026C2CB030 | F026C3CB030 | F026C4CB030 |
| F026C2CB033 | F026C3CB033 | F026C4CB033 |
| Dali | Dali | Dali |
| F026C2CD001 | F026C3CD001 | F026C4CD001 |
| F026C2CD006 | F026C3CD006 | F026C4CD006 |
| F026C2CD012 | F026C3CD012 | F026C4CD012 |
| F026C2CD018 | F026C3CD018 | F026C4CD018 |
| F026C2CD030 | F026C3CD030 | F026C4CD030 |
| F026C2CD033 | F026C3CD033 | F026C4CD033 |




@ 3000K

### Optic Flood 36º

**Power Led:** 17W - 1739 lm ≠ FIXT 1302 lm - 2700K/CRI 80 - 220-240V / 17W - 1803 lm ≠ FIXT 1351 lm - 3000K/CRI 80 - 220-240V / 17W - 1868 lm ≠ FIXT 1397 lm - 4000K/CRI 80 - 220-240V

**2700K**
Non Dimmable
- F026C2DA001
- F026C2DA006
- F026C2DA012
- F026C2DA018
- F026C2DA030
- F026C2DA033

1-10V
- F026C2DB001
- F026C2DB006
- F026C2DB012
- F026C2DB018
- F026C2DB030
- F026C2DB033

Dali
- F026C2DD001
- F026C2DD006
- F026C2DD012
- F026C2DD018
- F026C2DD030
- F026C2DD033

**3000K**
Non Dimmable
- F026C3DA001
- F026C3DA006
- F026C3DA012
- F026C3DA018
- F026C3DA030
- F026C3DA033

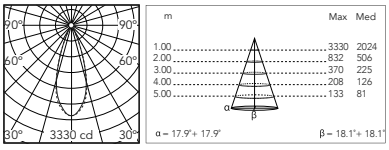
1-10V
- F026C3DB001
- F026C3DB006
- F026C3DB012
- F026C3DB018
- F026C3DB030
- F026C3DB033

Dali
- F026C3DD001
- F026C3DD006
- F026C3DD012
- F026C3DD018
- F026C3DD030
- F026C3DD033

**4000K**
Non Dimmable
- F026C4DA001
- F026C4DA006
- F026C4DA012
- F026C4DA018
- F026C4DA030
- F026C4DA033

1-10V
- F026C4DB001
- F026C4DB006
- F026C4DB012
- F026C4DB018
- F026C4DB030
- F026C4DB033

Dali
- F026C4DD001
- F026C4DD006
- F026C4DD012
- F026C4DD018
- F026C4DD030
- F026C4DD033




@ 3000K

### Optic Wide Flood 52º

**Power Led:** 17W - 1739 lm ≠ FIXT 1303 lm - 2700K/CRI 80 - 220-240V / 17W - 1803 lm ≠ FIXT 1357 lm - 3000K/CRI 80 - 220-240V / 17W - 1868 lm ≠ FIXT 1411 lm - 4000K/CRI 80 - 220-240V

**2700K**
Non Dimmable
- F026C2EA001
- F026C2EA006
- F026C2EA012
- F026C2EA018
- F026C2EA030
- F026C2EA033

1-10V
- F026C2EB001
- F026C2EB006
- F026C2EB012
- F026C2EB018
- F026C2EB030
- F026C2EB033

Dali
- F026C2ED001
- F026C2ED006
- F026C2ED012
- F026C2ED018
- F026C2ED030
- F026C2ED033

**3000K**
Non Dimmable
- F026C3EA001
- F026C3EA006
- F026C3EA012
- F026C3EA018
- F026C3EA030
- F026C3EA033

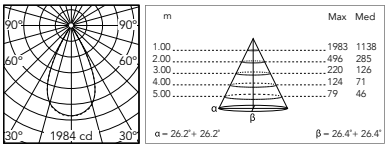
1-10V
- F026C3EB001
- F026C3EB006
- F026C3EB012
- F026C3EB018
- F026C3EB030
- F026C3EB033

Dali
- F026C3ED001
- F026C3ED006
- F026C3ED012
- F026C3ED018
- F026C3ED030
- F026C3ED033

**4000K**
Non Dimmable
- F026C4EA001
- F026C4EA006
- F026C4EA012
- F026C4EA018
- F026C4EA030
- F026C4EA033

1-10V
- F026C4EB001
- F026C4EB006
- F026C4EB012
- F026C4EB018
- F026C4EB030
- F026C4EB033

Dali
- F026C4ED001
- F026C4ED006
- F026C4ED012
- F026C4ED018
- F026C4ED030
- F026C4ED033




@ 3000K

### Optic Elliptical 1 14º x 50º

**Power Led:** 17W - 1739 lm ≠ FIXT 1315 lm - 2700K/CRI 80 - 220-240V / 17W - 1803 lm ≠ FIXT 1364 lm - 3000K/CRI 80 - 220-240V / 17W - 1868 lm ≠ FIXT 1410 lm - 4000K/CRI 80 - 220-240V

**2700K**
Non Dimmable
- F026C2FA001
- F026C2FA006
- F026C2FA012
- F026C2FA018
- F026C2FA030
- F026C2FA033

1-10V
- F026C2FB001
- F026C2FB006
- F026C2FB012
- F026C2FB018
- F026C2FB030
- F026C2FB033

Dali
- F026C2FD001
- F026C2FD006
- F026C2FD012
- F026C2FD018
- F026C2FD030
- F026C2FD033

**3000K**
Non Dimmable
- F026C3FA001
- F026C3FA006
- F026C3FA012
- F026C3FA018
- F026C3FA030
- F026C3FA033

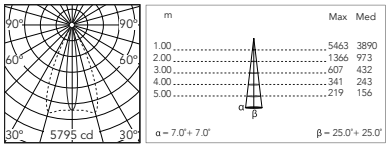
1-10V
- F026C3FB001
- F026C3FB006
- F026C3FB012
- F026C3FB018
- F026C3FB030
- F026C3FB033

Dali
- F026C3FD001
- F026C3FD006
- F026C3FD012
- F026C3FD018
- F026C3FD030
- F026C3FD033

**4000K**
Non Dimmable
- F026C4FA001
- F026C4FA006
- F026C4FA012
- F026C4FA018
- F026C4FA030
- F026C4FA033

1-10V
- F026C4FB001
- F026C4FB006
- F026C4FB012
- F026C4FB018
- F026C4FB030
- F026C4FB033

Dali
- F026C4FD001
- F026C4FD006
- F026C4FD012
- F026C4FD018
- F026C4FD030
- F026C4FD033



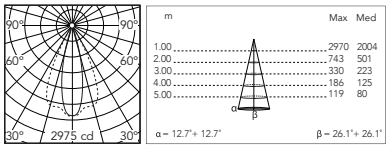

@ 3000K

## Spine 2 Ultra Hp

### Optic Elliptical 2 25º x 52º

**Power Led:** 17W - 1739 lm ≠ FIXT 1298 lm - 2700K/CRI 80 - 220-240V / 17W - 1803 lm ≠ FIXT 1351 lm - 3000K/CRI 80 - 220-240V / 17W - 1868 lm ≠ FIXT 1393 lm - 4000K/CRI 80 - 220-240V

| 2700K | 3000K | 4000K |
|---|---|---|
| Non Dimmable | Non Dimmable | Non Dimmable |
| ○ F026C2GA001 | ○ F026C3GA001 | ○ F026C4GA001 |
| ● F026C2GA006 | ● F026C3GA006 | ● F026C4GA006 |
| ● F026C2GA012 | ● F026C3GA012 | ● F026C4GA012 |
| ● F026C2GA018 | ● F026C3GA018 | ● F026C4GA018 |
| ● F026C2GA030 | ● F026C3GA030 | ● F026C4GA030 |
| ● F026C2GA033 | ● F026C3GA033 | ● F026C4GA033 |
| 1-10V | 1-10V | 1-10V |
| ○ F026C2GB001 | ○ F026C3GB001 | ○ F026C4GB001 |
| ● F026C2GB006 | ● F026C3GB006 | ● F026C4GB006 |
| ● F026C2GB012 | ● F026C3GB012 | ● F026C4GB012 |
| ● F026C2GB018 | ● F026C3GB018 | ● F026C4GB018 |
| ● F026C2GB030 | ● F026C3GB030 | ● F026C4GB030 |
| ● F026C2GB033 | ● F026C3GB033 | ● F026C4GB033 |
| Dali | Dali | Dali |
| ○ F026C2GD001 | ○ F026C3GD001 | ○ F026C4GD001 |
| ● F026C2GD006 | ● F026C3GD006 | ● F026C4GD006 |
| ● F026C2GD012 | ● F026C3GD012 | ● F026C4GD012 |
| ● F026C2GD018 | ● F026C3GD018 | ● F026C4GD018 |
| ● F026C2GD030 | ● F026C3GD030 | ● F026C4GD030 |
| ● F026C2GD033 | ● F026C3GD033 | ● F026C4GD033 |

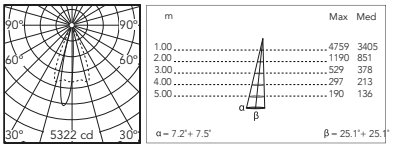



@ 3000K

### Optic Wall Washer

**Power Led:** 17W - 1739 lm ≠ FIXT 1277 lm - 2700K/CRI 80 - 220-240V / 17W - 1803 lm ≠ FIXT 1325 lm - 3000K/CRI 80 - 220-240V / 17W - 1868 lm ≠ FIXT 1370 lm - 4000K/CRI 80 - 220-240V

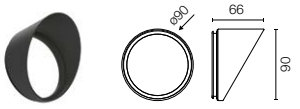
| 2700K | 3000K | 4000K |
|---|---|---|
| Non Dimmable | Non Dimmable | Non Dimmable |
| ○ F026C2HA001 | ○ F026C3HA001 | ○ F026C4HA001 |
| ● F026C2HA006 | ● F026C3HA006 | ● F026C4HA006 |
| ● F026C2HA012 | ● F026C3HA012 | ● F026C4HA012 |
| ● F026C2HA018 | ● F026C3HA018 | ● F026C4HA018 |
| ● F026C2HA030 | ● F026C3HA030 | ● F026C4HA030 |
| ● F026C2HA033 | ● F026C3HA033 | ● F026C4HA033 |
| 1-10V | 1-10V | 1-10V |
| ○ F026C2HB001 | ○ F026C3HB001 | ○ F026C4HB001 |
| ● F026C2HB006 | ● F026C3HB006 | ● F026C4HB006 |
| ● F026C2HB012 | ● F026C3HB012 | ● F026C4HB012 |
| ● F026C2HB018 | ● F026C3HB018 | ● F026C4HB018 |
| ● F026C2HB030 | ● F026C3HB030 | ● F026C4HB030 |
| ● F026C2HB033 | ● F026C3HB033 | ● F026C4HB033 |
| Dali | Dali | Dali |
| ○ F026C2HD001 | ○ F026C3HD001 | ○ F026C4HD001 |
| ● F026C2HD006 | ● F026C3HD006 | ● F026C4HD006 |
| ● F026C2HD012 | ● F026C3HD012 | ● F026C4HD012 |
| ● F026C2HD018 | ● F026C3HD018 | ● F026C4HD018 |
| ● F026C2HD030 | ● F026C3HD030 | ● F026C4HD030 |
| ● F026C2HD033 | ● F026C3HD033 | ● F026C4HD033 |

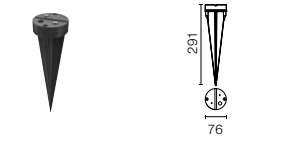


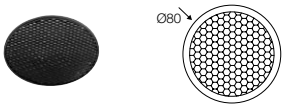

@ 3000K

## Spine 2 Ultra: Accessories / Accesorios

| | | |
|---|---|---|
| Visor | Visor | ○ F026Z050001<br>● F026Z050006<br>● F026Z050012<br>● F026Z050018<br>● F026Z050030<br>● F026Z050033 |
| Ground spike. | Clavo metálico para instalación en suelo. | F026Z010000 |
| Honeycomb | Honeycomb Louvre | F026Z060000 |

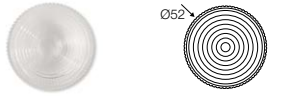


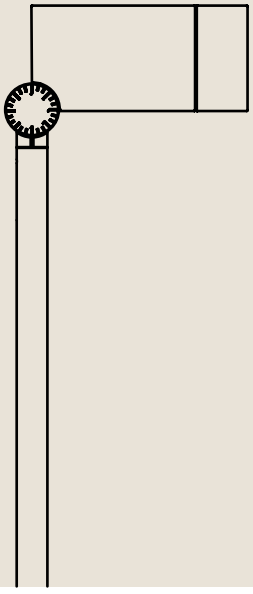




Converter lenses / Lentes de conversión:

| | |
|---|---|
| - Converter Spine 2 Optic Medium Flood | F029Z020000 |
| - Converter Spine 2 Optic Flood | F029Z021000 |
| - Converter Spine 2 Optic Wide Flood | F029Z022000 |
| - Converter Spine 2 Optic Elliptic 1 | F029Z023000 |
| - Converter Spine 2 Optic Elliptic 2 | F029Z024000 |
| - Converter Spine 2 Optic Wall Washer | F029Z025000 |

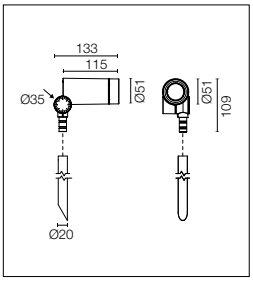


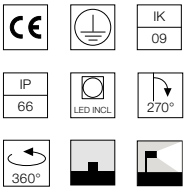
## Spine F



A special rod can be easily installed in the ground increasing the product versatility.

Se puede instalar fácilmente una varilla especial en el suelo, lo que aumenta la versatilidad del producto.




Power LED source included. Equipped with an integrated snoot for higher visual comfort. Collimators are available as an accessory to modify the beam opening. Integrated electric power supply 220-240V ON/OFF. Fixing plate included. The electrical connection is made on the inside of the plate by means of a watertight connector included. To guarantee its water tightness, it is recommended to use flexible cables designed for outdoor use. Ground spike for ground installations to be ordered separately.

2200K available on request.

DALI dimmable version available on request.

Fuente Power LED incluida. Equipada con snoot integrado para un confort visual mayor. Los colimadores son un accesorio disponible para modificar la apertura del haz lumínico. Fuente de alimentación eléctrica 220-240V ON/OFF integrada. Plaqueta de anclaje incluida. La conexión eléctrica se realiza en el interior de la plaqueta mediante conector estanco incluido. Para garantizar la estanqueidad se aconseja emplear cables flexibles para exteriores. Clavo metálico para la instalación en suelos, a pedir por separado.

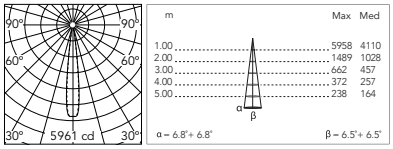
2200K disponible bajo pedido.

Versión regulable Dali disponible bajo pedido.

### Optic Spot 14º

**Power Led:** 5W - 481 lm ≠ FIXT 368 lm - 2700K/CRI 80 - 220-240V / 5W - 493 lm ≠ FIXT 377 lm - 3000K/CRI 80 - 220-240V / 5W - 540 lm ≠ FIXT 413 lm - 4000K/CRI 80 - 220-240V

| 2700K | 3000K | 4000K |
|---|---|---|
| Non Dimmable | Non Dimmable | Non Dimmable |
| ○ F027L2BA001 | ○ F027L3BA001 | ○ F027L4BA001 |
| ● F027L2BA006 | ● F027L3BA006 | ● F027L4BA006 |
| ● F027L2BA012 | ● F027L3BA012 | ● F027L4BA012 |
| ● F027L2BA018 | ● F027L3BA018 | ● F027L4BA018 |
| ● F027L2BA030 | ● F027L3BA030 | ● F027L4BA030 |
| ● F027L2BA033 | ● F027L3BA033 | ● F027L4BA033 |

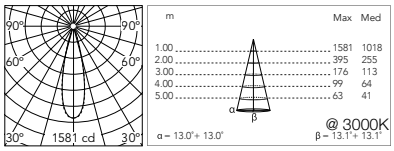



@ 3000K

### Optic Medium Flood 26º

**Power Led:** 5W - 481 lm ≠ FIXT 337 lm - 2700K/CRI 80 - 220-240V / 5W - 493 lm ≠ FIXT 346 lm - 3000K/CRI 80 - 220-240V / 5W - 540 lm ≠ FIXT 378 lm - 4000K/CRI 80 - 220-240V

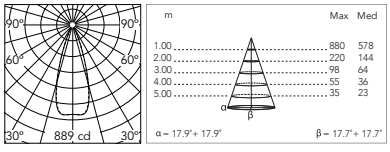
| 2700K | 3000K | 4000K |
|---|---|---|
| Non Dimmable | Non Dimmable | Non Dimmable |
| ○ F027L2CA001 | ○ F027L3CA001 | ○ F027L4CA001 |
| ● F027L2CA006 | ● F027L3CA006 | ● F027L4CA006 |
| ● F027L2CA012 | ● F027L3CA012 | ● F027L4CA012 |
| ● F027L2CA018 | ● F027L3CA018 | ● F027L4CA018 |
| ● F027L2CA030 | ● F027L3CA030 | ● F027L4CA030 |
| ● F027L2CA033 | ● F027L3CA033 | ● F027L4CA033 |




### Optic Flood 36º

**Power Led:** 5W - 481 lm ≠ FIXT 332 lm - 2700K/CRI 80 - 220-240V / 5W - 493 lm ≠ FIXT 340 lm - 3000K/CRI 80 - 220-240V / 5W - 540 lm ≠ FIXT 373 lm - 4000K/CRI 80 - 220-240V

| 2700K | 3000K | 4000K |
|---|---|---|
| Non Dimmable | Non Dimmable | Non Dimmable |
| ○ F027L2DA001 | ○ F027L3DA001 | ○ F027L4DA001 |
| ● F027L2DA006 | ● F027L3DA006 | ● F027L4DA006 |
| ● F027L2DA012 | ● F027L3DA012 | ● F027L4DA012 |
| ● F027L2DA018 | ● F027L3DA018 | ● F027L4DA018 |
| ● F027L2DA030 | ● F027L3DA030 | ● F027L4DA030 |
| ● F027L2DA033 | ● F027L3DA033 | ● F027L4DA033 |

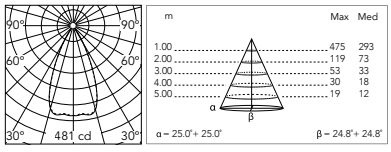



@ 3000K

### Optic Wide Flood 50º

**Power Led:** 5W - 481 lm ≠ FIXT 324 lm - 2700K/CRI 80 - 220-240V / 5W - 493 lm ≠ FIXT 332 lm - 3000K/CRI 80 - 220-240V / 5W - 540 lm ≠ FIXT 363 lm - 4000K/CRI 80 - 220-240V

| 2700K | 3000K | 4000K |
|---|---|---|
| Non Dimmable | Non Dimmable | Non Dimmable |
| ○ F027L2EA001 | ○ F027L3EA001 | ○ F027L4EA001 |
| ● F027L2EA006 | ● F027L3EA006 | ● F027L4EA006 |
| ● F027L2EA012 | ● F027L3EA012 | ● F027L4EA012 |
| ● F027L2EA018 | ● F027L3EA018 | ● F027L4EA018 |
| ● F027L2EA030 | ● F027L3EA030 | ● F027L4EA030 |
| ● F027L2EA033 | ● F027L3EA033 | ● F027L4EA033 |

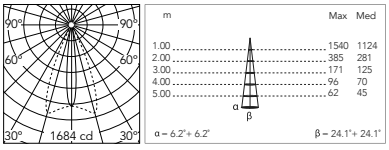



@ 3000K

### Optic Elliptical 1 12º x 50º

**Power Led:** 5W - 481 lm ≠ FIXT 342 lm - 2700K/CRI 80 - 220-240V / 5W - 493 lm ≠ FIXT 350 lm - 3000K/CRI 80 - 220-240V / 5W - 540 lm ≠ FIXT 383 lm - 4000K/CRI 80 - 220-240V

| 2700K | 3000K | 4000K |
|---|---|---|
| Non Dimmable | Non Dimmable | Non Dimmable |
| F027L2FA001 | F027L3FA001 | F027L4FA001 |
| F027L2FA006 | F027L3FA006 | F027L4FA006 |
| F027L2FA012 | F027L3FA012 | F027L4FA012 |
| F027L2FA018 | F027L3FA018 | F027L4FA018 |
| F027L2FA030 | F027L3FA030 | F027L4FA030 |
| F027L2FA033 | F027L3FA033 | F027L4FA033 |

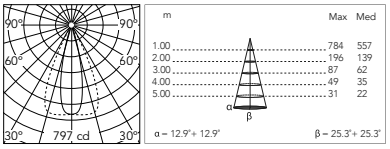



@ 3000K

### Optic Elliptical 2 26º x 51º

**Power Led:** 5W - 481 lm ≠ FIXT 334 lm - 2700K/CRI 80 - 220-240V / 5W - 493 lm ≠ FIXT 342 lm - 3000K/CRI 80 - 220-240V / 5W - 540 lm ≠ FIXT 375 lm - 4000K/CRI 80 - 220-240V

| 2700K | 3000K | 4000K |
|---|---|---|
| Non Dimmable | Non Dimmable | Non Dimmable |
| F027L2GA001 | F027L3GA001 | F027L4GA001 |
| F027L2GA006 | F027L3GA006 | F027L4GA006 |
| F027L2GA012 | F027L3GA012 | F027L4GA012 |
| F027L2GA018 | F027L3GA018 | F027L4GA018 |
| F027L2GA030 | F027L3GA030 | F027L4GA030 |
| F027L2GA033 | F027L3GA033 | F027L4GA033 |

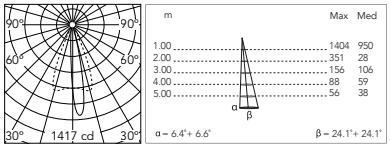



@ 3000K

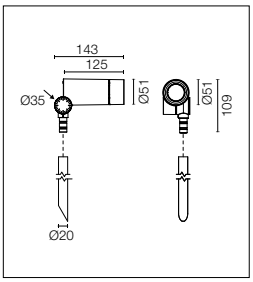
### Optic Wall Washer

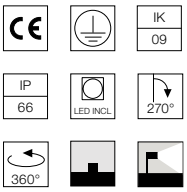
**Power Led:** 5W - 481 lm ≠ FIXT 321 lm - 2700K/CRI 80 - 220-240V / 5W - 493 lm ≠ FIXT 329 lm - 3000K/CRI 80 - 220-240V / 5W - 540 lm ≠ FIXT 360 lm - 4000K/CRI 80 - 220-240V

| 2700K | 3000K | 4000K |
|---|---|---|
| Non Dimmable | Non Dimmable | Non Dimmable |
| F027L2HA001 | F027L3HA001 | F027L4HA001 |
| F027L2HA006 | F027L3HA006 | F027L4HA006 |
| F027L2HA012 | F027L3HA012 | F027L4HA012 |
| F027L2HA018 | F027L3HA018 | F027L4HA018 |
| F027L2HA030 | F027L3HA030 | F027L4HA030 |
| F027L2HA033 | F027L3HA033 | F027L4HA033 |




@ 3000K




Power LED source included. Equipped with an integrated snoot for higher visual comfort. Collimators are available as an accessory to modify the beam opening. Integrated electric power supply 220-240V ON/OFF. Fixing plate included. The electrical connection is made on the inside of the plate by means of a watertight connector included. To guarantee its water tightness, it is recommended to use flexible cables designed for outdoor use. Ground spike for ground installations to be ordered separately.

2200K available on request.

DALI dimmable version available on request.

Fuente Power LED incluida. Equipada con snoot integrado para un confort visual mayor. Los colimadores son un accesorio disponible para modificar la apertura del haz lumínico. Fuente de alimentación eléctrica 220-240V ON/OFF integrada. Plaqueta de anclaje incluida. La conexión eléctrica se realiza en el interior de la plaqueta mediante conector estanco incluido. Para garantizar la estanqueidad se aconseja emplear cables flexibles para exteriores. Clavo metálico para la instalación en suelos, a pedir por separado.

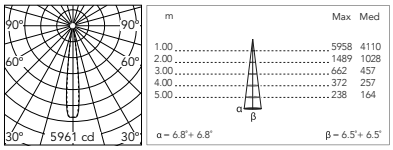
2200K disponible bajo pedido.

Versión regulable Dali disponible bajo pedido.

### Optic Spot 14º

**Power Led:** 5W - 481 lm ≠ FIXT 368 lm - 2700K/CRI 80 - 220-240V / 5W - 493 lm ≠ FIXT 377 lm - 3000K/CRI 80 - 220-240V / 5W - 540 lm ≠ FIXT 413 lm - 4000K/CRI 80 - 220-240V

| 2700K | 3000K | 4000K |
|---|---|---|
| Non Dimmable | Non Dimmable | Non Dimmable |
| ○ F027G2BA001 | ○ F027G3BA001 | ○ F027G4BA001 |
| ● F027G2BA006 | ● F027G3BA006 | ● F027G4BA006 |
| ● F027G2BA012 | ● F027G3BA012 | ● F027G4BA012 |
| ● F027G2BA018 | ● F027G3BA018 | ● F027G4BA018 |
| ● F027G2BA030 | ● F027G3BA030 | ● F027G4BA030 |
| ● F027G2BA033 | ● F027G3BA033 | ● F027G4BA033 |

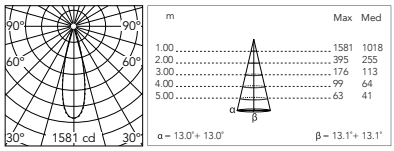



@ 3000K

### Optic Medium Flood 26º

**Power Led:** 5W - 481 lm ≠ FIXT 337 lm - 2700K/CRI 80 - 220-240V / 5W - 493 lm ≠ FIXT 346 lm - 3000K/CRI 80 - 220-240V / 5W - 540 lm ≠ FIXT 378 lm - 4000K/CRI 80 - 220-240V

| 2700K | 3000K | 4000K |
|---|---|---|
| Non Dimmable | Non Dimmable | Non Dimmable |
| ○ F027G2CA001 | ○ F027G3CA001 | ○ F027G4CA001 |
| ● F027G2CA006 | ● F027G3CA006 | ● F027G4CA006 |
| ● F027G2CA012 | ● F027G3CA012 | ● F027G4CA012 |
| ● F027G2CA018 | ● F027G3CA018 | ● F027G4CA018 |
| ● F027G2CA030 | ● F027G3CA030 | ● F027G4CA030 |
| ● F027G2CA033 | ● F027G3CA033 | ● F027G4CA033 |

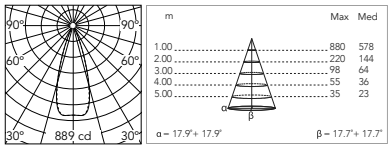



@ 3000K

### Optic Flood 36º

**Power Led:** 5W - 481 lm ≠ FIXT 332 lm - 2700K/CRI 80 - 220-240V / 5W - 493 lm ≠ FIXT 340 lm - 3000K/CRI 80 - 220-240V / 5W - 540 lm ≠ FIXT 373 lm - 4000K/CRI 80 - 220-240V

| 2700K | 3000K | 4000K |
|---|---|---|
| Non Dimmable | Non Dimmable | Non Dimmable |
| ○ F027G2DA001 | ○ F027G3DA001 | ○ F027G4DA001 |
| ● F027G2DA006 | ● F027G3DA006 | ● F027G4DA006 |
| ● F027G2DA012 | ● F027G3DA012 | ● F027G4DA012 |
| ● F027G2DA018 | ● F027G3DA018 | ● F027G4DA018 |
| ● F027G2DA030 | ● F027G3DA030 | ● F027G4DA030 |
| ● F027G2DA033 | ● F027G3DA033 | ● F027G4DA033 |

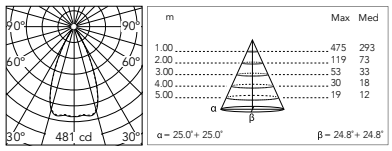



@ 3000K

### Optic Wide Flood 50º

**Power Led:** 5W - 481 lm ≠ FIXT 324 lm - 2700K/CRI 80 - 220-240V / 5W - 493 lm ≠ FIXT 332 lm - 3000K/CRI 80 - 220-240V / 5W - 540 lm ≠ FIXT 363 lm - 4000K/CRI 80 - 220-240V

| 2700K | 3000K | 4000K |
|---|---|---|
| Non Dimmable | Non Dimmable | Non Dimmable |
| ○ F027G2EA001 | ○ F027G3EA001 | ○ F027G4EA001 |
| ● F027G2EA006 | ● F027G3EA006 | ● F027G4EA006 |
| ● F027G2EA012 | ● F027G3EA012 | ● F027G4EA012 |
| ● F027G2EA018 | ● F027G3EA018 | ● F027G4EA018 |
| ● F027G2EA030 | ● F027G3EA030 | ● F027G4EA030 |
| ● F027G2EA033 | ● F027G3EA033 | ● F027G4EA033 |

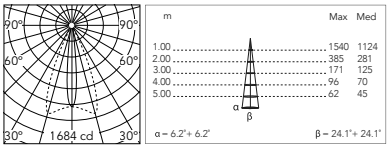



@ 3000K

### Optic Elliptical 1 12º x 50º

**Power Led:** 5W - 481 lm ≠ FIXT 342 lm - 2700K/CRI 80 - 220-240V / 5W - 493 lm ≠ FIXT 350 lm - 3000K/CRI 80 - 220-240V / 5W - 540 lm ≠ FIXT 383 lm - 4000K/CRI 80 - 220-240V

| 2700K | 3000K | 4000K |
|---|---|---|
| Non Dimmable | Non Dimmable | Non Dimmable |
| F027G2FA001 | F027G3FA001 | F027G4FA001 |
| F027G2FA006 | F027G3FA006 | F027G4FA006 |
| F027G2FA012 | F027G3FA012 | F027G4FA012 |
| F027G2FA018 | F027G3FA018 | F027G4FA018 |
| F027G2FA030 | F027G3FA030 | F027G4FA030 |
| F027G2FA033 | F027G3FA033 | F027G4FA033 |

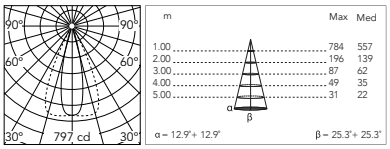



@ 3000K

### Optic Elliptical 2 26º x 51º

**Power Led:** 5W - 481 lm ≠ FIXT 334 lm - 2700K/CRI 80 - 220-240V / 5W - 493 lm ≠ FIXT 342 lm - 3000K/CRI 80 - 220-240V / 5W - 540 lm ≠ FIXT 375 lm - 4000K/CRI 80 - 220-240V

| 2700K | 3000K | 4000K |
|---|---|---|
| Non Dimmable | Non Dimmable | Non Dimmable |
| F027G2GA001 | F027G3GA001 | F027G4GA001 |
| F027G2GA006 | F027G3GA006 | F027G4GA006 |
| F027G2GA012 | F027G3GA012 | F027G4GA012 |
| F027G2GA018 | F027G3GA018 | F027G4GA018 |
| F027G2GA030 | F027G3GA030 | F027G4GA030 |
| F027G2GA033 | F027G3GA033 | F027G4GA033 |

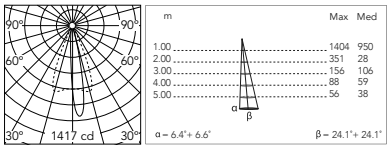



@ 3000K

### Optic Wall Washer

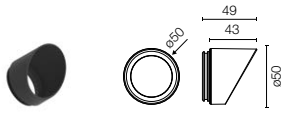
**Power Led:** 5W - 481 lm ≠ FIXT 321 lm - 2700K/CRI 80 - 220-240V / 5W - 493 lm ≠ FIXT 329 lm - 3000K/CRI 80 - 220-240V / 5W - 540 lm ≠ FIXT 360 lm - 4000K/CRI 80 - 220-240V

| 2700K | 3000K | 4000K |
|---|---|---|
| Non Dimmable | Non Dimmable | Non Dimmable |
| F027G2HA001 | F027G3HA001 | F027G4HA001 |
| F027G2HA006 | F027G3HA006 | F027G4HA006 |
| F027G2HA012 | F027G3HA012 | F027G4HA012 |
| F027G2HA018 | F027G3HA018 | F027G4HA018 |
| F027G2HA030 | F027G3HA030 | F027G4HA030 |
| F027G2HA033 | F027G3HA033 | F027G4HA033 |

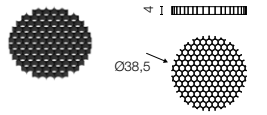
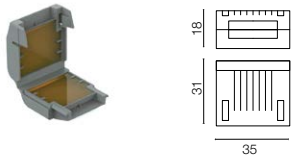
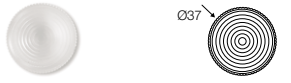
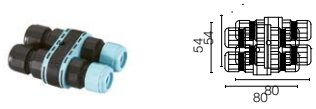
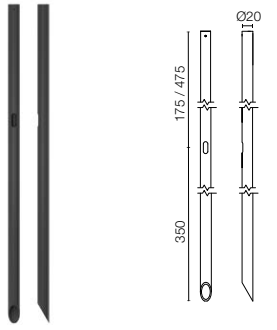



@ 3000K

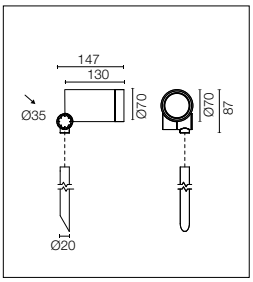
## Spine F 0 : Accessories / Accesorios

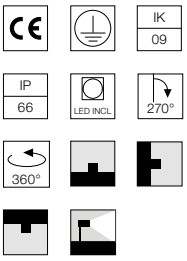
| | | | |
|---|---|---|---|
| Visor | Visor | ○ F027Z050001<br>● F027Z050006<br>● F027Z050012<br>● F027Z050018<br>● F027Z050030<br>● F027Z050033 |  |

## Spine F 0 Ultra: Accessories / Accesorios

| | | | |
|---|---|---|---|
| Honeycomb | Honeycomb Louvre | F027Z060000 |  |
| Gelbox IPX8 for splicing connectors. | Caja de gel IPX8 para la conexión eléctrica. | F990C100000 |  |
| Converter lenses / Llentes de conversión:<br>- Converter Spine 1 Optic Medium Flood<br>- Converter Spine 1 Optic Flood<br>- Converter Spine 1 Optic Wide Flood<br>- Converter Spine 1 Optic Elliptic 1<br>- Converter Spine 1 Optic Elliptic 2<br>- Converter Spine 1 Optic Wall Washer | | <br>F029Z010000<br>F029Z011000<br>F029Z012000<br>F029Z013000<br>F029Z014000<br>F029Z015000 |  |
| 2 way terminal block 4 poles IP68 H2O Stop. | Bloque de terminales IP68 H2O Stop anticondensación con 2 vías y 4 polos. | F990C00A000 | |
| 3/4 way terminal block 4 poles IP68 H2O Stop. (ø5,5÷12mm cable). | Bloque de terminales IP68 H2O Stop anticondensación con 3/4 vías y 4 polos. (Cable ø5,5÷12 mm). | F990C010000 |  |
| Pole with an overground length of 200 - 500 mm for ground installation. | Poste longitud 200 – 500 mm por encima del suelo para instalaciones en suelo. | 200 mm<br>○ F026Z020001<br>● F026Z020006<br>● F026Z020012<br>● F026Z020018<br>● F026Z020030<br>● F026Z020033<br>500 mm<br>○ F026Z030001<br>● F026Z030006<br>● F026Z030012<br>● F026Z030018<br>● F026Z030030<br>● F026Z030033 |  |

## Spine F 1 Absolute



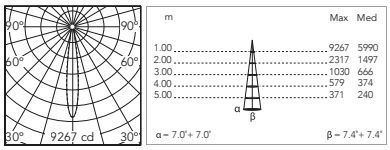

LED COB light source included. Integrated electric power supply 220-240V ON/OFF. Equipped with a 5m neoprene cable (10m upon request) for remote connection. To guarantee its water tightness, it is recommended to use flexible cables designed for outdoor use. The rod for ground installations is available in two sizes and needs to be ordered separately.
Upon request: 1-10V or DALI dimmable version with 24Vdc remote power supply.

Fuente LED COB incluida. Fuente de alimentación eléctrica 220-240V ON/OFF integrada. Dotada con sección de cable en neopreno de 5m (10m bajo pedido) para conexión remota; para garantizar la estanqueidad se aconseja emplear cables flexibles para exteriores. La varilla para instalaciones en el suelo está disponible en dos dimensiones y se pide por separado.
Bajo petición, versión regulable 1-10V o DALI con fuente de alimentación remota 24Vdc.

### Optic Spot 15º

**CoB Led:** 11W - 1247 lm ≠ FIXT 923 lm - 2700K/CRI 80 - 220-240V / 11W - 1325 lm ≠ FIXT 982 lm - 3000K/CRI 80 - 220-240V / 11W - 1364 lm ≠ FIXT 1011 lm - 4000K/CRI 80 - 220-240V

| 2700K | 3000K | 4000K |
|---|---|---|
| Non Dimmable | Non Dimmable | Non Dimmable |
| F025F2BA001 | F025F3BA001 | F025F4BA001 |
| F025F2BA006 | F025F3BA006 | F025F4BA006 |
| F025F2BA012 | F025F3BA012 | F025F4BA012 |
| F025F2BA018 | F025F3BA018 | F025F4BA018 |
| F025F2BA030 | F025F3BA030 | F025F4BA030 |
| F025F2BA033 | F025F3BA033 | F025F4BA033 |

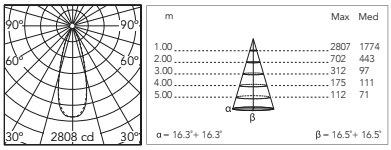



@ 3000K

### Optic Medium Flood 33º

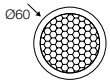
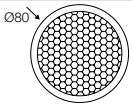
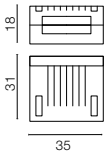
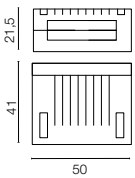
**CoB Led:** 11W - 1247 lm ≠ FIXT 906 lm - 2700K/CRI 80 - 220-240V / 11W - 1325 lm ≠ FIXT 964 lm - 3000K/CRI 80 - 220-240V / 11W - 1364 lm ≠ FIXT 993 lm - 4000K/CRI 80 - 220-240V

| 2700K | 3000K | 4000K |
|---|---|---|
| Non Dimmable | Non Dimmable | Non Dimmable |
| F025F2CA001 | F025F3CA001 | F025F4CA001 |
| F025F2CA006 | F025F3CA006 | F025F4CA006 |
| F025F2CA012 | F025F3CA012 | F025F4CA012 |
| F025F2CA018 | F025F3CA018 | F025F4CA018 |
| F025F2CA030 | F025F3CA030 | F025F4CA030 |
| F025F2CA033 | F025F3CA033 | F025F4CA033 |

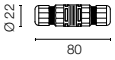
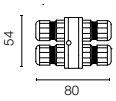


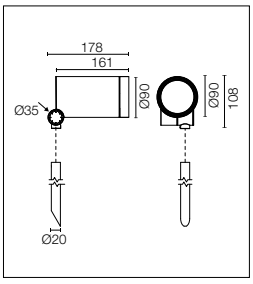

@ 3000K

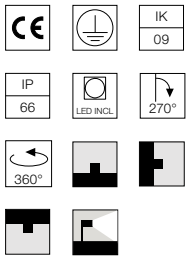
## Spine F 1 / F 2 Absolute: Accessories / Accesorios

| | | | | |
|---|---|---|---|---|
| Honeycomb | Honeycomb Louvre | Spine F 1<br>F025Z060000 | |  |
| Honeycomb | Honeycomb Louvre | Spine F 2<br>F026Z060000 | |  |
| Gelbox IPX8 for splicing connectors. | Caja de gel IPX8 para la conexión eléctrica. | Spine F 1<br>F990C100000 | |  |
| Gelbox IPX8 for splicing connectors. | Caja de gel IPX8 para la conexión eléctrica. | Spine F 2<br>F990C110000 | |  |

## Spine F 1 / F 2 Absolute: Accessories for non-dimmable versions / Accesorios para las versiones no dimables

| | | | | |
|---|---|---|---|---|
| 2 way terminal block 4 poles IP68 H2O Stop. | Bloque de terminales IP68 H2O Stop anticondensación con 2 vías y 4 polos. | F990C00A000 | |  |
| 3/4 way terminal block 4 poles IP68 H2O Stop. (ø5,5÷12mm cable). | Bloque de terminales IP68 H2O Stop anticondensación con 3/4 vías y 4 polos. (Cable ø5,5÷12 mm). | F990C010000 | |  |



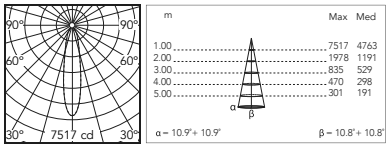

LED COB light source included. Integrated electric power supply 220-240V ON/OFF and adjustable 1-10V or DALI. Equipped with a 5m neoprene cable (10m upon request) for remote connection. To guarantee its water tightness, it is recommended to use flexible cables designed for outdoor use. The rod for ground installations is available in two sizes and needs to be ordered separately.

Fuente LED COB incluida. Fuente de alimentación eléctrica 220-240V ON/OFF y regulable 1-10V o DALI integrada. Dotada con sección de cable en neopreno de 5m (10m bajo pedido) para conexión remota; para garantizar la estanqueidad se aconseja emplear cables flexibles para exteriores. La varilla para instalaciones en el suelo está disponible en dos dimensiones y se pide por separado.

### Optic Spot 22º

**CoB Led:** 19,5W - 2197 lm ≠ FIXT 1939 lm - 2700K/CRI 80 - 220-240V / 19,5W - 2367 lm ≠ FIXT 2085 lm - 3000K/CRI 80 - 220-240V / 19,5W - 2497 lm ≠ FIXT 2120 lm - 4000K/CRI 80 - 220-240V

| 2700K | 3000K | 4000K |
|---|---|---|
| Non Dimmable | Non Dimmable | Non Dimmable |
| F026F2BA001.A | F026F3BA001.A | F026F4BA001.A |
| F026F2BA006.A | F026F3BA006.A | F026F4BA006.A |
| F026F2BA012.A | F026F3BA012.A | F026F4BA012.A |
| F026F2BA018.A | F026F3BA018.A | F026F4BA018.A |
| F026F2BA030.A | F026F3BA030.A | F026F4BA030.A |
| F026F2BA033.A | F026F3BA033.A | F026F4BA033.A |
| 1-10V | 1-10V | 1-10V |
| F026F2BB001.A | F026F3BB001.A | F026F4BB001.A |
| F026F2BB006.A | F026F3BB006.A | F026F4BB006.A |
| F026F2BB012.A | F026F3BB012.A | F026F4BB012.A |
| F026F2BB018.A | F026F3BB018.A | F026F4BB018.A |
| F026F2BB030.A | F026F3BB030.A | F026F4BB030.A |
| F026F2BB033.A | F026F3BB033.A | F026F4BB033.A |
| Dali | Dali | Dali |
| F026F2BD001.A | F026F3BD001.A | F026F4BD001.A |
| F026F2BD006.A | F026F3BD006.A | F026F4BD006.A |
| F026F2BD012.A | F026F3BD012.A | F026F4BD012.A |
| F026F2BD018.A | F026F3BD018.A | F026F4BD018.A |
| F026F2BD030.A | F026F3BD030.A | F026F4BD030.A |
| F026F2BD033.A | F026F3BD033.A | F026F4BD033.A |

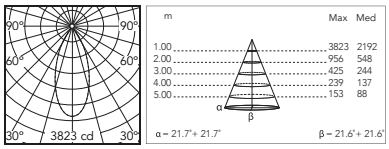



@ 3000K

### Optic Medium Flood 43º

**CoB Led:** 19,5W - 2197 lm ≠ FIXT 2026 lm - 2700K/CRI 80 - 220-240V / 19,5W - 2367 lm ≠ FIXT 2178 lm - 3000K/CRI 80 - 220-240V / 19,5W - 2497 lm ≠ FIXT 2298 lm - 4000K/CRI 80 - 220-240V

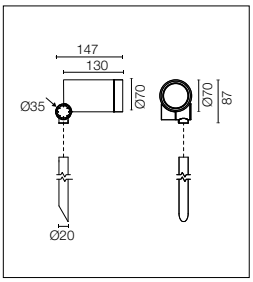
| 2700K | 3000K | 4000K |
|---|---|---|
| Non Dimmable | Non Dimmable | Non Dimmable |
| F026F2CA001.A | F026F3CA001.A | F026F4CA001.A |
| F026F2CA006.A | F026F3CA006.A | F026F4CA006.A |
| F026F2CA012.A | F026F3CA012.A | F026F4CA012.A |
| F026F2CA018.A | F026F3CA018.A | F026F4CA018.A |
| F026F2CA030.A | F026F3CA030.A | F026F4CA030.A |
| F026F2CA033.A | F026F3CA033.A | F026F4CA033.A |
| 1-10V | 1-10V | 1-10V |
| F026F2CB001.A | F026F3CB001.A | F026F4CB001.A |
| F026F2CB006.A | F026F3CB006.A | F026F4CB006.A |
| F026F2CB012.A | F026F3CB012.A | F026F4CB012.A |
| F026F2CB018.A | F026F3CB018.A | F026F4CB018.A |
| F026F2CB030.A | F026F3CB030.A | F026F4CB030.A |
| F026F2CB033.A | F026F3CB033.A | F026F4CB033.A |
| Dali | Dali | Dali |
| F026F2CD001.A | F026F3CD001.A | F026F4CD001.A |
| F026F2CD006.A | F026F3CD006.A | F026F4CD006.A |
| F026F2CD012.A | F026F3CD012.A | F026F4CD012.A |
| F026F2CD018.A | F026F3CD018.A | F026F4CD018.A |
| F026F2CD030.A | F026F3CD030.A | F026F4CD030.A |
| F026F2CD033.A | F026F3CD033.A | F026F4CD033.A |

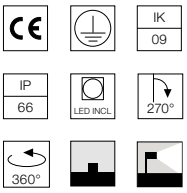



@ 3000K

## Spine F 2 Absolute: Accessories for dimmable versions / Accesorios para versiones dimables

| | | | |
|---|---|---|---|
| Connector kit 5-pole flying socket + EU plug IP68. | Kit de conectores de 5 polos enchufe volante + enchufe UE IP68. | F990C080000 | |
| 4 way junction box 5 poles IP68 (6-14 mm cables). | Caja de derivación de 5 polos y 4 vías IP68 (cables de 6-14 mm). | F990C030000 | |




Power LED source included. Equipped with an integrated snoot for higher visual comfort: the asymmetrical cut visor is available as an accessory. Collimators are available as an accessory to modify the beam opening. Integrated electric power supply 220-240V ON/OFF. Equipped with a 5m neoprene cable (10m upon request) for remote connection. To guarantee its water tightness, it is recommended to use flexible cables designed for outdoor use. The rod for ground installations is available in two sizes and needs to be ordered separately.
Upon request: 1-10V or DALI dimmable version with 24Vdc remote power supply.

2200K available on request.

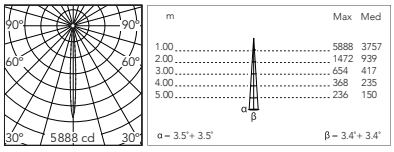
Fuente Power LED incluida. Equipada con snoot integrado para un confort visual mayor: como accesorio, está disponible el visor de corte asimétrico. Los colimadores son un accesorio disponible para modificar la apertura del haz lumínico. Fuente de alimentación eléctrica 220-240V ON/OFF integrada. Dotada con sección de cable en neopreno de 5m (10m bajo pedido) para conexión remota; para garantizar la estanqueidad se aconseja emplear cables flexibles para exteriores. La varilla para instalaciones en el suelo está disponible en dos dimensiones y se pide por separado.
Bajo petición, versión regulable 1-10V o DALI con fuente de alimentación remota 24Vdc.

2200K disponible bajo pedido.

### Optic Narrow Spot 7º

**Power Led:** 3,5W - 168 lm ≠ FIXT 143 lm - 2700K/CRI 80 - 220-240V / 3,5W - 174 lm ≠ FIXT 149 lm - 3000K/CRI 80 - 220-240V / 3,5W - 180 lm ≠ FIXT 154 lm - 4000K/CRI 80 - 220-240V

| 2700K | 3000K | 4000K |
|---|---|---|
| Non Dimmable | Non Dimmable | Non Dimmable |
| F025L2AA001 | F025L3AA001 | F025L4AA001 |
| F025L2AA006 | F025L3AA006 | F025L4AA006 |
| F025L2AA012 | F025L3AA012 | F025L4AA012 |
| F025L2AA018 | F025L3AA018 | F025L4AA018 |
| F025L2AA030 | F025L3AA030 | F025L4AA030 |
| F025L2AA033 | F025L3AA033 | F025L4AA033 |

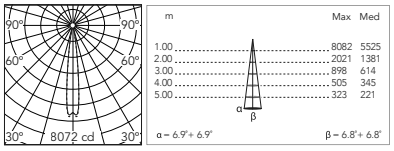



@ 3000K

### Optic Spot 14º

**Power Led:** 7,9W - 671 lm ≠ FIXT 550 lm - 2700K/CRI 80 - 220-240V / 7,9W - 696 lm ≠ FIXT 571 lm - 3000K/CRI 80 - 220-240V / 7,9W - 720 lm ≠ FIXT 591 lm - 4000K/CRI 80 - 220-240V

| 2700K | 3000K | 4000K |
|---|---|---|
| Non Dimmable | Non Dimmable | Non Dimmable |
| F025L2BA001 | F025L3BA001 | F025L4BA001 |
| F025L2BA006 | F025L3BA006 | F025L4BA006 |
| F025L2BA012 | F025L3BA012 | F025L4BA012 |
| F025L2BA018 | F025L3BA018 | F025L4BA018 |
| F025L2BA030 | F025L3BA030 | F025L4BA030 |
| F025L2BA033 | F025L3BA033 | F025L4BA033 |

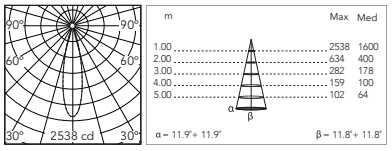



@ 3000K

### Optic Medium Flood 24,5º

**Power Led:** 7,9W - 671 lm ≠ FIXT 499 lm - 2700K/CRI 80 - 220-240V / 7,9W - 696 lm ≠ FIXT 518 lm - 3000K/CRI 80 - 220-240V / 7,9W - 720 lm ≠ FIXT 536 lm - 4000K/CRI 80 - 220-240V

| 2700K | 3000K | 4000K |
|---|---|---|
| Non Dimmable | Non Dimmable | Non Dimmable |
| F025L2CA001 | F025L3CA001 | F025L4CA001 |
| F025L2CA006 | F025L3CA006 | F025L4CA006 |
| F025L2CA012 | F025L3CA012 | F025L4CA012 |
| F025L2CA018 | F025L3CA018 | F025L4CA018 |
| F025L2CA030 | F025L3CA030 | F025L4CA030 |
| F025L2CA033 | F025L3CA033 | F025L4CA033 |

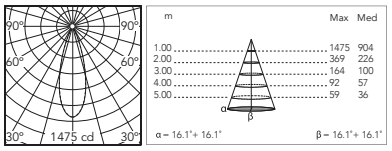



@ 3000K

### Optic Flood 32º

**Power Led:** 7,9W - 671 lm ≠ FIXT 482 lm - 2700K/CRI 80 - 220-240V / 7,9W - 696 lm ≠ FIXT 500 lm - 3000K/CRI 80 - 220-240V / 7,9W - 720 lm ≠ FIXT 518 lm - 4000K/CRI 80 - 220-240V

| 2700K | 3000K | 4000K |
|---|---|---|
| Non Dimmable | Non Dimmable | Non Dimmable |
| F025L2DA001 | F025L3DA001 | F025L4DA001 |
| F025L2DA006 | F025L3DA006 | F025L4DA006 |
| F025L2DA012 | F025L3DA012 | F025L4DA012 |
| F025L2DA018 | F025L3DA018 | F025L4DA018 |
| F025L2DA030 | F025L3DA030 | F025L4DA030 |
| F025L2DA033 | F025L3DA033 | F025L4DA033 |

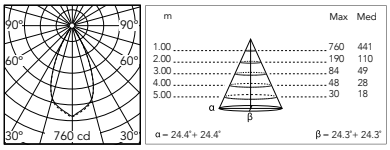



@ 3000K

### Optic Wide Flood 49º

**Power Led:** 7,9W - 671 lm ≠ FIXT 480 lm - 2700K/CRI 80 - 220-240V / 7,9W - 696 lm ≠ FIXT 490 lm - 3000K/CRI 80 - 220-240V / 7,9W - 720 lm ≠ FIXT 505 lm - 4000K/CRI 80 - 220-240V

| 2700K | 3000K | 4000K |
|---|---|---|
| Non Dimmable | Non Dimmable | Non Dimmable |
| F025L2EA001 | F025L3EA001 | F025L4EA001 |
| F025L2EA006 | F025L3EA006 | F025L4EA006 |
| F025L2EA012 | F025L3EA012 | F025L4EA012 |
| F025L2EA018 | F025L3EA018 | F025L4EA018 |
| F025L2EA030 | F025L3EA030 | F025L4EA030 |
| F025L2EA033 | F025L3EA033 | F025L4EA033 |

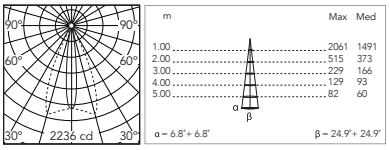



@ 3000K

### Optic Elliptical 1 13,5º x 50º

**Power Led:** 7,9W - 671 lm ≠ FIXT 500 lm - 2700K/CRI 80 - 220-240V / 7,9W - 696 lm ≠ FIXT 519 lm - 3000K/CRI 80 - 220-240V / 7,9W - 720 lm ≠ FIXT 537 lm - 4000K/CRI 80 - 220-240V

| 2700K | 3000K | 4000K |
|---|---|---|
| Non Dimmable | Non Dimmable | Non Dimmable |
| F025L2FA001 | F025L3FA001 | F025L4FA001 |
| F025L2FA006 | F025L3FA006 | F025L4FA006 |
| F025L2FA012 | F025L3FA012 | F025L4FA012 |
| F025L2FA018 | F025L3FA018 | F025L4FA018 |
| F025L2FA030 | F025L3FA030 | F025L4FA030 |
| F025L2FA033 | F025L3FA033 | F025L4FA033 |

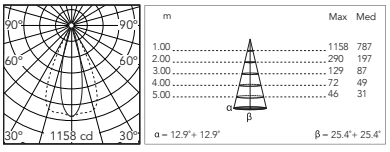



@ 3000K

### Optic Elliptical 2 26º x 51º

**Power Led:** 7,9W - 671 lm ≠ FIXT 487 lm - 2700K/CRI 80 - 220-240V / 7,9W - 696 lm ≠ FIXT 505 lm - 3000K/CRI 80 - 220-240V / 7,9W - 720 lm ≠ FIXT 523 lm - 4000K/CRI 80 - 220-240V

| 2700K | 3000K | 4000K |
|---|---|---|
| Non Dimmable | Non Dimmable | Non Dimmable |
| F025L2GA001 | F025L3GA001 | F025L4GA001 |
| F025L2GA006 | F025L3GA006 | F025L4GA006 |
| F025L2GA012 | F025L3GA012 | F025L4GA012 |
| F025L2GA018 | F025L3GA018 | F025L4GA018 |
| F025L2GA030 | F025L3GA030 | F025L4GA030 |
| F025L2GA033 | F025L3GA033 | F025L4GA033 |

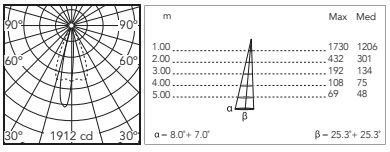



@ 3000K

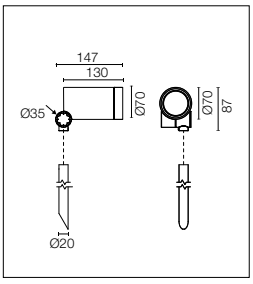
### Optic Wall Washer

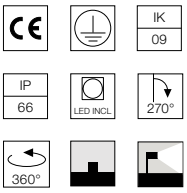
**Power Led:** 7,9W - 671 lm ≠ FIXT 471 lm - 2700K/CRI 80 - 220-240V / 7,9W - 696 lm ≠ FIXT 489 lm - 3000K/CRI 80 - 220-240V / 7,9W - 720 lm ≠ FIXT 506 lm - 4000K/CRI 80 - 220-240V

| 2700K | 3000K | 4000K |
|---|---|---|
| Non Dimmable | Non Dimmable | Non Dimmable |
| F025L2HA001 | F025L3HA001 | F025L4HA001 |
| F025L2HA006 | F025L3HA006 | F025L4HA006 |
| F025L2HA012 | F025L3HA012 | F025L4HA012 |
| F025L2HA018 | F025L3HA018 | F025L4HA018 |
| F025L2HA030 | F025L3HA030 | F025L4HA030 |
| F025L2HA033 | F025L3HA033 | F025L4HA033 |




@ 3000K



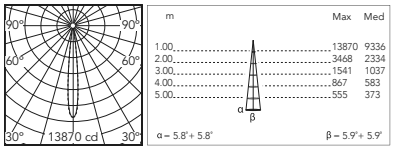

Energy-efficient Power LED source included Equipped with an integrated snoot for higher visual comfort: the asymmetrical cut visor is available as an accessory. Collimators are available as an accessory to modify the beam opening. Integrated electric power supply 220-240V ON/OFF. Equipped with a 5m neoprene cable (10m upon request) for remote connection. To guarantee its water tightness, it is recommended to use flexible cables designed for outdoor use. The rod for ground installations is available in two sizes and needs to be ordered separately.
Upon request: 1-10V or DALI dimmable version with 24Vdc remote power supply.

Fuente Power LED de bajo consumo incluida. Equipada con snoot integrado para un confort visual mayor: como accesorio, está disponible el visor de corte asimétrico. Los colimadores son un accesorio disponible para modificar la apertura del haz lumínico. Fuente de alimentación eléctrica 220-240V ON/OFF integrada. Dotada con sección de cable en neopreno de 5m (10m bajo pedido) para conexión remota; para garantizar la estanqueidad se aconseja emplear cables flexibles para exteriores. La varilla para instalaciones en el suelo está disponible en dos dimensiones y se pide por separado.
Bajo petición, versión regulable 1-10V o DALI con fuente de alimentación remota 24Vdc.

### Optic Spot 12º

**Power Led:** 10,5W - 920 lm ≠ FIXT 680 lm - 2700K/CRI 80 - 220-240V / 10,5W - 966 lm ≠ FIXT 706 lm - 3000K/CRI 80 - 220-240V / 10,5W - 1012 lm ≠ FIXT 730 lm - 4000K/CRI 80 - 220-240V

| 2700K | 3000K | 4000K |
|---|---|---|
| Non Dimmable | Non Dimmable | Non Dimmable |
| ○ F025M2BA001 | ○ F025M3BA001 | ○ F025M4BA001 |
| ● F025M2BA006 | ● F025M3BA006 | ● F025M4BA006 |
| ● F025M2BA012 | ● F025M3BA012 | ● F025M4BA012 |
| ● F025M2BA018 | ● F025M3BA018 | ● F025M4BA018 |
| ● F025M2BA030 | ● F025M3BA030 | ● F025M4BA030 |
| ● F025M2BA033 | ● F025M3BA033 | ● F025M4BA033 |

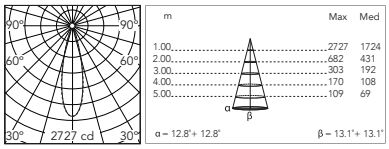



@ 3000K

### Optic Medium Flood 26,5º

**Power Led:** 10,5W - 920 lm ≠ FIXT 594 lm - 2700K/CRI 80 - 220-240V / 10,5W - 966 lm ≠ FIXT 630 lm - 3000K/CRI 80 - 220-240V / 10,5W - 1012 lm ≠ FIXT 654 lm - 4000K/CRI 80 - 220-240V

| 2700K | 3000K | 4000K |
|---|---|---|
| Non Dimmable | Non Dimmable | Non Dimmable |
| ○ F025M2CA001 | ○ F025M3CA001 | ○ F025M4CA001 |
| ● F025M2CA006 | ● F025M3CA006 | ● F025M4CA006 |
| ● F025M2CA012 | ● F025M3CA012 | ● F025M4CA012 |
| ● F025M2CA018 | ● F025M3CA018 | ● F025M4CA018 |
| ● F025M2CA030 | ● F025M3CA030 | ● F025M4CA030 |
| ● F025M2CA033 | ● F025M3CA033 | ● F025M4CA033 |

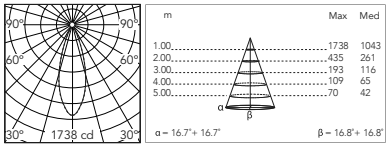



@ 3000K

### Optic Flood 33,5º

**Power Led:** 10,5W - 920 lm ≠ FIXT 592 lm - 2700K/CRI 80 - 220-240V / 10,5W - 966 lm ≠ FIXT 627 lm - 3000K/CRI 80 - 220-240V / 10,5W - 1012 lm ≠ FIXT 651 lm - 4000K/CRI 80 - 220-240V

| 2700K | 3000K | 4000K |
|---|---|---|
| Non Dimmable | Non Dimmable | Non Dimmable |
| ○ F025M2DA001 | ○ F025M3DA001 | ○ F025M4DA001 |
| ● F025M2DA006 | ● F025M3DA006 | ● F025M4DA006 |
| ● F025M2DA012 | ● F025M3DA012 | ● F025M4DA012 |
| ● F025M2DA018 | ● F025M3DA018 | ● F025M4DA018 |
| ● F025M2DA030 | ● F025M3DA030 | ● F025M4DA030 |
| ● F025M2DA033 | ● F025M3DA033 | ● F025M4DA033 |

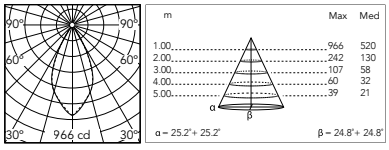



@ 3000K

### Optic Wide Flood 50º

**Power Led:** 10,5W - 920 lm ≠ FIXT 591 lm - 2700K/CRI 80 - 220-240V / 10,5W - 966 lm ≠ FIXT 619 lm - 3000K/CRI 80 - 220-240V / 10,5W - 1012 lm ≠ FIXT 650 lm - 4000K/CRI 80 - 220-240V

| 2700K | 3000K | 4000K |
|---|---|---|
| Non Dimmable | Non Dimmable | Non Dimmable |
| ○ F025M2EA001 | ○ F025M3EA001 | ○ F025M4EA001 |
| ● F025M2EA006 | ● F025M3EA006 | ● F025M4EA006 |
| ● F025M2EA012 | ● F025M3EA012 | ● F025M4EA012 |
| ● F025M2EA018 | ● F025M3EA018 | ● F025M4EA018 |
| ● F025M2EA030 | ● F025M3EA030 | ● F025M4EA030 |
| ● F025M2EA033 | ● F025M3EA033 | ● F025M4EA033 |



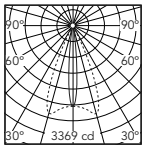

@ 3000K

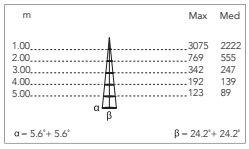
## Spine F 1 Pro Hp

### Optic Elliptical 1 11,5º x 49º

**Power Led:** 10,5W - 920 lm ≠ FIXT 603 lm - 2700K/CRI 80 - 220-240V / 10,5W - 966 lm ≠ FIXT 639 lm - 3000K/CRI 80 - 220-240V / 10,5W - 1012 lm ≠ FIXT 663 lm - 4000K/CRI 80 - 220-240V

| **2700K** | **3000K** | **4000K** |
|---|---|---|
| Non Dimmable | Non Dimmable | Non Dimmable |
| ○ F025M2FA001 | ○ F025M3FA001 | ○ F025M4FA001 |
| ● F025M2FA006 | ● F025M3FA006 | ● F025M4FA006 |
| ● F025M2FA012 | ● F025M3FA012 | ● F025M4FA012 |
| ● F025M2FA018 | ● F025M3FA018 | ● F025M4FA018 |
| ● F025M2FA030 | ● F025M3FA030 | ● F025M4FA030 |
| ● F025M2FA033 | ● F025M3FA033 | ● F025M4FA033 |



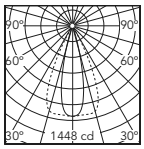



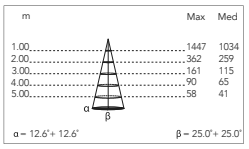

@ 3000K

### Optic Elliptical 2 25,5º x 50º

**Power Led:** 10,5W - 920 lm ≠ FIXT 601 lm - 2700K/CRI 80 - 220-240V / 10,5W - 966 lm ≠ FIXT 624 lm - 3000K/CRI 80 - 220-240V / 10,5W - 1012 lm ≠ FIXT 645 lm - 4000K/CRI 80 - 220-240V

| **2700K** | **3000K** | **4000K** |
|---|---|---|
| Non Dimmable | Non Dimmable | Non Dimmable |
| ○ F025M2GA001 | ○ F025M3GA001 | ○ F025M4GA001 |
| ● F025M2GA006 | ● F025M3GA006 | ● F025M4GA006 |
| ● F025M2GA012 | ● F025M3GA012 | ● F025M4GA012 |
| ● F025M2GA018 | ● F025M3GA018 | ● F025M4GA018 |
| ● F025M2GA030 | ● F025M3GA030 | ● F025M4GA030 |
| ● F025M2GA033 | ● F025M3GA033 | ● F025M4GA033 |



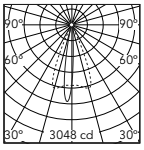



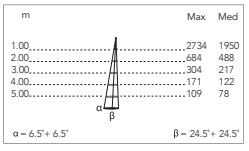

@ 3000K

### Optic Wall Washer

**Power Led:** 10,5W - 920 lm ≠ FIXT 574 lm - 2700K/CRI 80 - 220-240V / 10,5W - 966 lm ≠ FIXT 609 lm - 3000K/CRI 80 - 220-240V / 10,5W - 1012 lm ≠ FIXT 631 lm - 4000K/CRI 80 - 220-240V

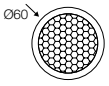
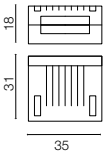
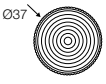
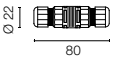
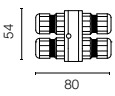
| **2700K** | **3000K** | **4000K** |
|---|---|---|
| Non Dimmable | Non Dimmable | Non Dimmable |
| ○ F025M2HA001 | ○ F025M3HA001 | ○ F025M4HA001 |
| ● F025M2HA006 | ● F025M3HA006 | ● F025M4HA006 |
| ● F025M2HA012 | ● F025M3HA012 | ● F025M4HA012 |
| ● F025M2HA018 | ● F025M3HA018 | ● F025M4HA018 |
| ● F025M2HA030 | ● F025M3HA030 | ● F025M4HA030 |
| ● F025M2HA033 | ● F025M3HA033 | ● F025M4HA033 |

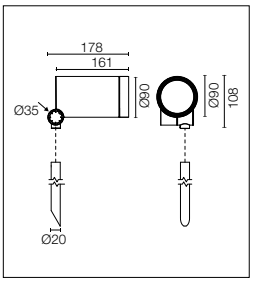


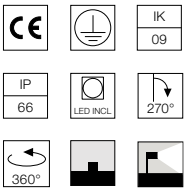




@ 3000K

## Spine F 1 Pro: Accessories / Accesorios

| | | | | |
|---|---|---|---|---|
| Honeycomb | Honeycomb Louvre | F025Z060000 | |   |
| Gelbox IPX8 for splicing connectors. | Caja de gel IPX8 para la conexión eléctrica. | F990C100000 | |   |
| Converter lenses / Llentes de conversión:<br>- Converter Spine 1 Optic Medium Flood<br>- Converter Spine 1 Optic Flood<br>- Converter Spine 1 Optic Wide Flood<br>- Converter Spine 1 Optic Elliptic 1<br>- Converter Spine 1 Optic Elliptic 2<br>- Converter Spine 1 Optic Wall Washer | | <br>F029Z010000<br>F029Z011000<br>F029Z012000<br>F029Z013000<br>F029Z014000<br>F029Z015000 | |   |
| 2 way terminal block 4 poles IP68 H2O Stop. | Bloque de terminales IP68 H2O Stop anticondensación con 2 vías y 4 polos. | F990C00A000 | |   |
| 3/4 way terminal block 4 poles IP68 H2O Stop. (ø5,5÷12mm cable). | Bloque de terminales IP68 H2O Stop anticondensación con 3/4 vías y 4 polos. (Cable ø5,5÷12 mm). | F990C010000 | |   |




Power LED source included. Equipped with an integrated snoot for higher visual comfort. Collimators are available as an accessory to modify the beam opening. Integrated electric power supply 220-240V ON/OFF and adjustable 1-10V or DALI. Equipped with a 5m neoprene cable (10m upon request) for remote connection. To guarantee its water tightness, it is recommended to use flexible cables designed for outdoor use. The rod for ground installations is available in two sizes and needs to be ordered separately.

Optic Narrow Spot

2200K available on request.

Fuente Power LED incluida. Equipada con snoot integrado para un confort visual mayor. Los colimadores son un accesorio disponible para modificar la apertura del haz lumínico. Fuente de alimentación eléctrica 220-240V ON/OFF y regulable 1-10V o DALI integrada. Dotada con sección de cable en neopreno de 5m (10m bajo pedido) para conexión remota; para garantizar la estanqueidad se aconseja emplear cables flexibles para exteriores. La varilla para instalaciones en el suelo está disponible en dos dimensiones y se pide por separado.

Optic Narrow Spot

2200K disponible bajo pedido.

### Optic Narrow Spot 6º

**Power Led:** 4,1W - 248 lm ≠ FIXT 230 lm - 2700K/CRI 80 - 220-240V / 4,1W - 258 lm ≠ FIXT 239 lm - 3000K/CRI 80 - 220-240V / 4,1W - 267 lm ≠ FIXT 247 lm - 4000K/CRI 80 - 220-240V

**2700K**

Non Dimmable
- ○ F026L2AA001
- ● F026L2AA006
- ● F026L2AA012
- ● F026L2AA018
- ● F026L2AA030
- ● F026L2AA033

1-10V
- ○ F026L2AB001
- ● F026L2AB006
- ● F026L2AB012
- ● F026L2AB018
- ● F026L2AB030
- ● F026L2AB033

Dali
- ○ F026L2AD001
- ● F026L2AD006
- ● F026L2AD012
- ● F026L2AD018
- ● F026L2AD030
- ● F026L2AD033

**3000K**

Non Dimmable
- ○ F026L3AA001
- ● F026L3AA006
- ● F026L3AA012
- ● F026L3AA018
- ● F026L3AA030
- ● F026L3AA033

1-10V
- ○ F026L3AB001
- ● F026L3AB006
- ● F026L3AB012
- ● F026L3AB018
- ● F026L3AB030
- ● F026L3AB033

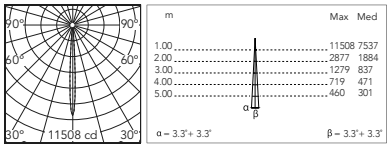
Dali
- ○ F026L3AD001
- ● F026L3AD006
- ● F026L3AD012
- ● F026L3AD018
- ● F026L3AD030
- ● F026L3AD033

**4000K**

Non Dimmable
- ○ F026L4AA001
- ● F026L4AA006
- ● F026L4AA012
- ● F026L4AA018
- ● F026L4AA030
- ● F026L4AA033

1-10V
- ○ F026L4AB001
- ● F026L4AB006
- ● F026L4AB012
- ● F026L4AB018
- ● F026L4AB030
- ● F026L4AB033

Dali
- ○ F026L4AD001
- ● F026L4AD006
- ● F026L4AD012
- ● F026L4AD018
- ● F026L4AD030
- ● F026L4AD033




@ 3000K

### Optic Spot 9,5º

**Power Led:** 10,5W - 920 lm ≠ FIXT 769 lm - 2700K/CRI 80 - 220-240Vv / 10,5W - 966 lm ≠ FIXT 808 lm - 3000K/CRI 80 - 220-240V / 10,5W - 1012 lm ≠ FIXT 846 lm - 4000K/CRI 80 - 220-240V

**2700K**

Non Dimmable
- ○ F026L2BA001
- ● F026L2BA006
- ● F026L2BA012
- ● F026L2BA018
- ● F026L2BA030
- ● F026L2BA033

1-10V
- ○ F026L2BB001
- ● F026L2BB006
- ● F026L2BB012
- ● F026L2BB018
- ● F026L2BB030
- ● F026L2BB033

Dali
- ○ F026L2BD001
- ● F026L2BD006
- ● F026L2BD012
- ● F026L2BD018
- ● F026L2BD030
- ● F026L2BD033

**3000K**

Non Dimmable
- ○ F026L3BA001
- ● F026L3BA006
- ● F026L3BA012
- ● F026L3BA018
- ● F026L3BA030
- ● F026L3BA033

1-10V
- ○ F026L3BB001
- ● F026L3BB006
- ● F026L3BB012
- ● F026L3BB018
- ● F026L3BB030
- ● F026L3BB033

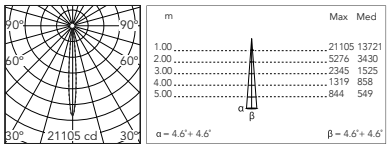
Dali
- ○ F026L3BD001
- ● F026L3BD006
- ● F026L3BD012
- ● F026L3BD018
- ● F026L3BD030
- ● F026L3BD033

**4000K**

Non Dimmable
- ○ F026L4BA001
- ● F026L4BA006
- ● F026L4BA012
- ● F026L4BA018
- ● F026L4BA030
- ● F026L4BA033

1-10V
- ○ F026L4BB001
- ● F026L4BB006
- ● F026L4BB012
- ● F026L4BB018
- ● F026L4BB030
- ● F026L4BB033

Dali
- ○ F026L4BD001
- ● F026L4BD006
- ● F026L4BD012
- ● F026L4BD018
- ● F026L4BD030
- ● F026L4BD033




@ 3000K

### Optic Medium Flood 28º

**Power Led:** 10,5W - 920 lm ≠ FIXT 715 lm - 2700K/CRI 80 - 220-240V / 10,5W - 966 lm ≠ FIXT 742 lm - 3000K/CRI 80 - 220-240V / 10,5W - 1012 lm ≠ FIXT 767 lm - 4000K/CRI 80 - 220-240V

**2700K**
Non Dimmable
- F026L2CA001
- F026L2CA006
- F026L2CA012
- F026L2CA018
- F026L2CA030
- F026L2CA033

1-10V
- F026L2CB001
- F026L2CB006
- F026L2CB012
- F026L2CB018
- F026L2CB030
- F026L2CB033

Dali
- F026L2CD001
- F026L2CD006
- F026L2CD012
- F026L2CD018
- F026L2CD030
- F026L2CD033

**3000K**
Non Dimmable
- F026L3CA001
- F026L3CA006
- F026L3CA012
- F026L3CA018
- F026L3CA030
- F026L3CA033

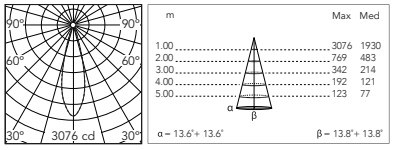
1-10V
- F026L3CB001
- F026L3CB006
- F026L3CB012
- F026L3CB018
- F026L3CB030
- F026L3CB033

Dali
- F026L3CD001
- F026L3CD006
- F026L3CD012
- F026L3CD018
- F026L3CD030
- F026L3CD033

**4000K**
Non Dimmable
- F026L4CA001
- F026L4CA006
- F026L4CA012
- F026L4CA018
- F026L4CA030
- F026L4CA033

1-10V
- F026L4CB001
- F026L4CB006
- F026L4CB012
- F026L4CB018
- F026L4CB030
- F026L4CB033

Dali
- F026L4CD001
- F026L4CD006
- F026L4CD012
- F026L4CD018
- F026L4CD030
- F026L4CD033




@ 3000K

### Optic Flood 33º

**Power Led:** 10,5W - 920 lm ≠ FIXT 695 lm - 2700K/CRI 80 - 220-240V / 10,5W - 966 lm ≠ FIXT 721 lm - 3000K/CRI 80 - 220-240V / 10,5W - 1012 lm ≠ FIXT 746 lm - 4000K/CRI 80 - 220-240V

**2700K**
Non Dimmable
- F026L2DA001
- F026L2DA006
- F026L2DA012
- F026L2DA018
- F026L2DA030
- F026L2DA033

1-10V
- F026L2DB001
- F026L2DB006
- F026L2DB012
- F026L2DB018
- F026L2DB030
- F026L2DB033

Dali
- F026L2DD001
- F026L2DD006
- F026L2DD012
- F026L2DD018
- F026L2DD030
- F026L2DD033

**3000K**
Non Dimmable
- F026L3DA001
- F026L3DA006
- F026L3DA012
- F026L3DA018
- F026L3DA030
- F026L3DA033

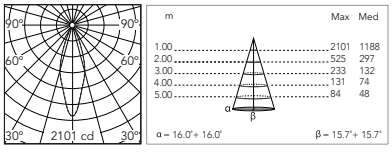
1-10V
- F026L3DB001
- F026L3DB006
- F026L3DB012
- F026L3DB018
- F026L3DB030
- F026L3DB033

Dali
- F026L3DD001
- F026L3DD006
- F026L3DD012
- F026L3DD018
- F026L3DD030
- F026L3DD033

**4000K**
Non Dimmable
- F026L4DA001
- F026L4DA006
- F026L4DA012
- F026L4DA018
- F026L4DA030
- F026L4DA033

1-10V
- F026L4DB001
- F026L4DB006
- F026L4DB012
- F026L4DB018
- F026L4DB030
- F026L4DB033

Dali
- F026L4DD001
- F026L4DD006
- F026L4DD012
- F026L4DD018
- F026L4DD030
- F026L4DD033




@ 3000K

### Optic Wide Flood 51º

**Power Led:** 10,5W - 920 lm ≠ FIXT 711 lm - 2700K/CRI 80 - 220-240V / 10,5W - 966 lm ≠ FIXT 741 lm - 3000K/CRI 80 - 220-240V / 10,5W - 1012 lm ≠ FIXT 778 lm - 4000K/CRI 80 - 220-240V

**2700K**
Non Dimmable
- F026L2EA001
- F026L2EA006
- F026L2EA012
- F026L2EA018
- F026L2EA030
- F026L2EA033

1-10V
- F026L2EB001
- F026L2EB006
- F026L2EB012
- F026L2EB018
- F026L2EB030
- F026L2EB033

Dali
- F026L2ED001
- F026L2ED006
- F026L2ED012
- F026L2ED018
- F026L2ED030
- F026L2ED033

**3000K**
Non Dimmable
- F026L3EA001
- F026L3EA006
- F026L3EA012
- F026L3EA018
- F026L3EA030
- F026L3EA033

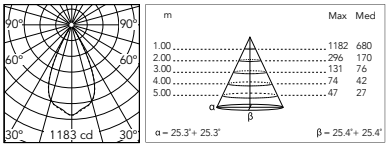
1-10V
- F026L3EB001
- F026L3EB006
- F026L3EB012
- F026L3EB018
- F026L3EB030
- F026L3EB033

Dali
- F026L3ED001
- F026L3ED006
- F026L3ED012
- F026L3ED018
- F026L3ED030
- F026L3ED033

**4000K**
Non Dimmable
- F026L4EA001
- F026L4EA006
- F026L4EA012
- F026L4EA018
- F026L4EA030
- F026L4EA033

1-10V
- F026L4EB001
- F026L4EB006
- F026L4EB012
- F026L4EB018
- F026L4EB030
- F026L4EB033

Dali
- F026L4ED001
- F026L4ED006
- F026L4ED012
- F026L4ED018
- F026L4ED030
- F026L4ED033




@ 3000K

### Optic Elliptical 1 9,5º x 48º

**Power Led:** 10,5W - 920 lm ≠ FIXT 717 lm - 2700K/CRI 80 - 220-240V / 10,5W - 966 lm ≠ FIXT 744 lm - 3000K/CRI 80 - 220-240V / 10,5W - 1012 lm ≠ FIXT 770 lm - 4000K/CRI 80 - 220-240V

**2700K**
Non Dimmable
- F026L2FA001
- F026L2FA006
- F026L2FA012
- F026L2FA018
- F026L2FA030
- F026L2FA033

1-10V
- F026L2FB001
- F026L2FB006
- F026L2FB012
- F026L2FB018
- F026L2FB030
- F026L2FB033

Dali
- F026L2FD001
- F026L2FD006
- F026L2FD012
- F026L2FD018
- F026L2FD030
- F026L2FD033

**3000K**
Non Dimmable
- F026L3FA001
- F026L3FA006
- F026L3FA012
- F026L3FA018
- F026L3FA030
- F026L3FA033

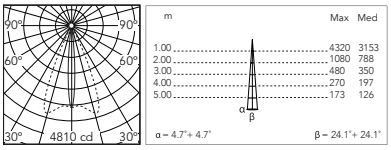
1-10V
- F026L3FB001
- F026L3FB006
- F026L3FB012
- F026L3FB018
- F026L3FB030
- F026L3FB033

Dali
- F026L3FD001
- F026L3FD006
- F026L3FD012
- F026L3FD018
- F026L3FD030
- F026L3FD033

**4000K**
Non Dimmable
- F026L4FA001
- F026L4FA006
- F026L4FA012
- F026L4FA018
- F026L4FA030
- F026L4FA033

1-10V
- F026L4FB001
- F026L4FB006
- F026L4FB012
- F026L4FB018
- F026L4FB030
- F026L4FB033

Dali
- F026L4FD001
- F026L4FD006
- F026L4FD012
- F026L4FD018
- F026L4FD030
- F026L4FD033




@ 3000K

### Optic Elliptical 2 24º x 50º

**Power Led:** 10,5W - 920 lm ≠ FIXT 699 lm - 2700K/CRI 80 - 220-240V / 10,5W - 966 lm ≠ FIXT 725 lm - 3000K/CRI 80 - 220-240V / 10,5W - 1012 lm ≠ FIXT 750 lm - 4000K/CRI 80 - 220-240V

**2700K**
Non Dimmable
- F026L2GA001
- F026L2GA006
- F026L2GA012
- F026L2GA018
- F026L2GA030
- F026L2GA033

1-10V
- F026L2GB001
- F026L2GB006
- F026L2GB012
- F026L2GB018
- F026L2GB030
- F026L2GB033

Dali
- F026L2GD001
- F026L2GD006
- F026L2GD012
- F026L2GD018
- F026L2GD030
- F026L2GD033

**3000K**
Non Dimmable
- F026L3GA001
- F026L3GA006
- F026L3GA012
- F026L3GA018
- F026L3GA030
- F026L3GA033

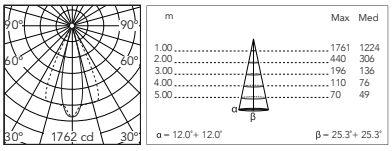
1-10V
- F026L3GB001
- F026L3GB006
- F026L3GB012
- F026L3GB018
- F026L3GB030
- F026L3GB033

Dali
- F026L3GD001
- F026L3GD006
- F026L3GD012
- F026L3GD018
- F026L3GD030
- F026L3GD033

**4000K**
Non Dimmable
- F026L4GA001
- F026L4GA006
- F026L4GA012
- F026L4GA018
- F026L4GA030
- F026L4GA033

1-10V
- F026L4GB001
- F026L4GB006
- F026L4GB012
- F026L4GB018
- F026L4GB030
- F026L4GB033

Dali
- F026L4GD001
- F026L4GD006
- F026L4GD012
- F026L4GD018
- F026L4GD030
- F026L4GD033




@ 3000K

### Optic Wall Washer

**Power Led:** 10,5W - 920 lm ≠ FIXT 673 lm - 2700K/CRI 80 - 220-240V / 10,5W - 966 lm ≠ FIXT 698 lm - 3000K/CRI 80 - 220-240V / 10,5W - 1012 lm ≠ FIXT 672 lm - 4000K/CRI 80 - 220-240V

**2700K**
Non Dimmable
- F026L2HA001
- F026L2HA006
- F026L2HA012
- F026L2HA018
- F026L2HA030
- F026L2HA033

1-10V
- F026L2HB001
- F026L2HB006
- F026L2HB012
- F026L2HB018
- F026L2HB030
- F026L2HB033

Dali
- F026L2HD001
- F026L2HD006
- F026L2HD012
- F026L2HD018
- F026L2HD030
- F026L2HD033

**3000K**
Non Dimmable
- F026L3HA001
- F026L3HA006
- F026L3HA012
- F026L3HA018
- F026L3HA030
- F026L3HA033

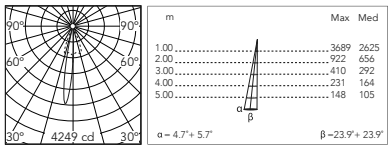
1-10V
- F026L3HB001
- F026L3HB006
- F026L3HB012
- F026L3HB018
- F026L3HB030
- F026L3HB033

Dali
- F026L3HD001
- F026L3HD006
- F026L3HD012
- F026L3HD018
- F026L3HD030
- F026L3HD033

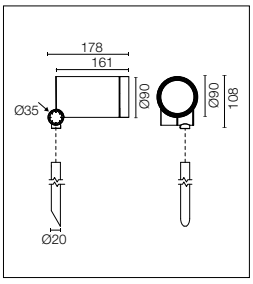
**4000K**
Non Dimmable
- F026L4HA001
- F026L4HA006
- F026L4HA012
- F026L4HA018
- F026L4HA030
- F026L4HA033

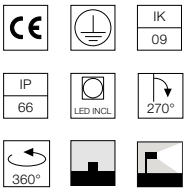
1-10V
- F026L4HB001
- F026L4HB006
- F026L4HB012
- F026L4HB018
- F026L4HB030
- F026L4HB033

Dali
- F026L4HD001
- F026L4HD006
- F026L4HD012
- F026L4HD018
- F026L4HD030
- F026L4HD033




@ 3000K




Energy-efficient Power LED source included Equipped with an integrated snoot for higher visual comfort. Collimators are available as an accessory to modify the beam opening. Integrated electric power supply 220-240V ON/OFF and adjustable 1-10V or DALI. Equipped with a 5m neoprene cable (10m upon request) for remote connection. To guarantee its water tightness, it is recommended to use flexible cables designed for outdoor use. The rod for ground installations is available in two sizes and needs to be ordered separately.

2200K available on request.

Fuente Power LED de bajo consumo incluida. Equipada con snoot integrado para un confort visual mayor. Los colimadores son un accesorio disponible para modificar la apertura del haz lumínico. Fuente de alimentación eléctrica 220-240V ON/OFF y regulable 1-10V o DALI integrada. Dotada con sección de cable en neopreno de 5m (10m bajo pedido) para conexión remota; para garantizar la estanqueidad se aconseja emplear cables flexibles para exteriores. La varilla para instalaciones en el suelo está disponible en dos dimensiones y se pide por separado.

2200K disponible bajo pedido.

### Optic Spot 14,5º

**Power Led:** 17W - 1739 lm ≠ FIXT 1443 lm - 2700K/CRI 80 - 220-240V / 17W - 1803 lm ≠ FIXT 1497 lm - 3000K/CRI 80 - 220-240V / 17W - 1868 lm ≠ FIXT 1548 lm - 4000K/CRI 80 - 220-240V

**2700K**

Non Dimmable
- ○ F026M2BA001
- ● F026M2BA006
- ● F026M2BA012
- ● F026M2BA018
- ● F026M2BA030
- ● F026M2BA033

1-10V
- ○ F026M2BB001
- ● F026M2BB006
- ● F026M2BB012
- ● F026M2BB018
- ● F026M2BB030
- ● F026M2BB033

Dali
- ○ F026M2BD001
- ● F026M2BD006
- ● F026M2BD012
- ● F026M2BD018
- ● F026M2BD030
- ● F026M2BD033

**3000K**

Non Dimmable
- ○ F026M3BA001
- ● F026M3BA006
- ● F026M3BA012
- ● F026M3BA018
- ● F026M3BA030
- ● F026M3BA033

1-10V
- ○ F026M3BB001
- ● F026M3BB006
- ● F026M3BB012
- ● F026M3BB018
- ● F026M3BB030
- ● F026M3BB033

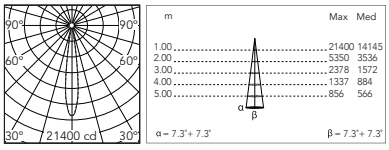
Dali
- ○ F026M3BD001
- ● F026M3BD006
- ● F026M3BD012
- ● F026M3BD018
- ● F026M3BD030
- ● F026M3BD033

**4000K**

Non Dimmable
- ○ F026M4BA001
- ● F026M4BA006
- ● F026M4BA012
- ● F026M4BA018
- ● F026M4BA030
- ● F026M4BA033

1-10V
- ○ F026M4BB001
- ● F026M4BB006
- ● F026M4BB012
- ● F026M4BB018
- ● F026M4BB030
- ● F026M4BB033

Dali
- ○ F026M4BD001
- ● F026M4BD006
- ● F026M4BD012
- ● F026M4BD018
- ● F026M4BD030
- ● F026M4BD033




@ 3000K

### Optic Medium Flood 26º

**Power Led:** 17W - 1739 lm ≠ FIXT 1336 lm - 2700K/CRI 80 - 220-240V / 17W - 1803 lm ≠ FIXT 1386 lm - 3000K/CRI 80 - 220-240V / 17W - 1868 lm ≠ FIXT 1434 lm - 4000K/CRI 80 - 220-240V

**2700K**

Non Dimmable
- ○ F026M2CA001
- ● F026M2CA006
- ● F026M2CA012
- ● F026M2CA018
- ● F026M2CA030
- ● F026M2CA033

1-10V
- ○ F026M2CB001
- ● F026M2CB006
- ● F026M2CB012
- ● F026M2CB018
- ● F026M2CB030
- ● F026M2CB033

Dali
- ○ F026M2CD001
- ● F026M2CD006
- ● F026M2CD012
- ● F026M2CD018
- ● F026M2CD030
- ● F026M2CD033

**3000K**

Non Dimmable
- ○ F026M3CA001
- ● F026M3CA006
- ● F026M3CA012
- ● F026M3CA018
- ● F026M3CA030
- ● F026M3CA033

1-10V
- ○ F026M3CB001
- ● F026M3CB006
- ● F026M3CB012
- ● F026M3CB018
- ● F026M3CB030
- ● F026M3CB033

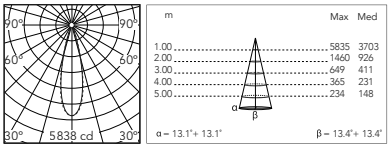
Dali
- ○ F026M3CD001
- ● F026M3CD006
- ● F026M3CD012
- ● F026M3CD018
- ● F026M3CD030
- ● F026M3CD033

**4000K**

Non Dimmable
- ○ F026M4CA001
- ● F026M4CA006
- ● F026M4CA012
- ● F026M4CA018
- ● F026M4CA030
- ● F026M4CA033

1-10V
- ○ F026M4CB001
- ● F026M4CB006
- ● F026M4CB012
- ● F026M4CB018
- ● F026M4CB030
- ● F026M4CB033

Dali
- ○ F026M4CD001
- ● F026M4CD006
- ● F026M4CD012
- ● F026M4CD018
- ● F026M4CD030
- ● F026M4CD033




@ 3000K

### Optic Flood 36º

**Power Led:** 17W - 1739 lm ≠ FIXT 1302 lm - 2700K/CRI 80 - 220-240V / 17W - 1803 lm ≠ FIXT 1351 lm - 3000K/CRI 80 - 220-240V / 17W - 1868 lm ≠ FIXT 1397 lm - 4000K/CRI 80 - 220-240V

**2700K**

Non Dimmable
- F026M2DA001
- F026M2DA006
- F026M2DA012
- F026M2DA018
- F026M2DA030
- F026M2DA033

1-10V
- F026M2DB001
- F026M2DB006
- F026M2DB012
- F026M2DB018
- F026M2DB030
- F026M2DB033

Dali
- F026M2DD001
- F026M2DD006
- F026M2DD012
- F026M2DD018
- F026M2DD030
- F026M2DD033

**3000K**

Non Dimmable
- F026M3DA001
- F026M3DA006
- F026M3DA012
- F026M3DA018
- F026M3DA030
- F026M3DA033

1-10V
- F026M3DB001
- F026M3DB006
- F026M3DB012
- F026M3DB018
- F026M3DB030
- F026M3DB033

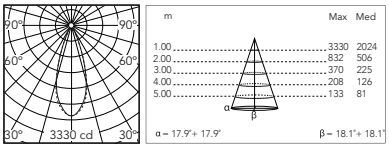
Dali
- F026M3DD001
- F026M3DD006
- F026M3DD012
- F026M3DD018
- F026M3DD030
- F026M3DD033

**4000K**

Non Dimmable
- F026M4DA001
- F026M4DA006
- F026M4DA012
- F026M4DA018
- F026M4DA030
- F026M4DA033

1-10V
- F026M4DB001
- F026M4DB006
- F026M4DB012
- F026M4DB018
- F026M4DB030
- F026M4DB033

Dali
- F026M4DD001
- F026M4DD006
- F026M4DD012
- F026M4DD018
- F026M4DD030
- F026M4DD033




@ 3000K

### Optic Wide Flood 52º

**Power Led:** 17W - 1739 lm ≠ FIXT 1303 lm - 2700K/CRI 80 - 220-240V / 17W - 1803 lm ≠ FIXT 1357 lm - 3000K/CRI 80 - 220-240V / 17W - 1868 lm ≠ FIXT 1411 lm - 4000K/CRI 80 - 220-240V

**2700K**

Non Dimmable
- F026M2EA001
- F026M2EA006
- F026M2EA012
- F026M2EA018
- F026M2EA030
- F026M2EA033

1-10V
- F026M2EB001
- F026M2EB006
- F026M2EB012
- F026M2EB018
- F026M2EB030
- F026M2EB033

Dali
- F026M2ED001
- F026M2ED006
- F026M2ED012
- F026M2ED018
- F026M2ED030
- F026M2ED033

**3000K**

Non Dimmable
- F026M3EA001
- F026M3EA006
- F026M3EA012
- F026M3EA018
- F026M3EA030
- F026M3EA033

1-10V
- F026M3EB001
- F026M3EB006
- F026M3EB012
- F026M3EB018
- F026M3EB030
- F026M3EB033

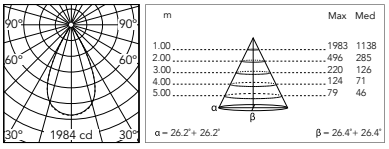
Dali
- F026M3ED001
- F026M3ED006
- F026M3ED012
- F026M3ED018
- F026M3ED030
- F026M3ED033

**4000K**

Non Dimmable
- F026M4EA001
- F026M4EA006
- F026M4EA012
- F026M4EA018
- F026M4EA030
- F026M4EA033

1-10V
- F026M4EB001
- F026M4EB006
- F026M4EB012
- F026M4EB018
- F026M4EB030
- F026M4EB033

Dali
- F026M4ED001
- F026M4ED006
- F026M4ED012
- F026M4ED018
- F026M4ED030
- F026M4ED033




@ 3000K

### Optic Elliptical 1 14º x 50º

**Power Led:** 17W - 1739 lm ≠ FIXT 1315 lm - 2700K/CRI 80 - 220-240V / 17W - 1803 lm ≠ FIXT 1364 lm - 3000K/CRI 80 - 220-240V / 17W - 1868 lm ≠ FIXT 1410 lm - 4000K/CRI 80 - 220-240V

**2700K**

Non Dimmable
- F026M2FA001
- F026M2FA006
- F026M2FA012
- F026M2FA018
- F026M2FA030
- F026M2FA033

1-10V
- F026M2FB001
- F026M2FB006
- F026M2FB012
- F026M2FB018
- F026M2FB030
- F026M2FB033

Dali
- F026M2FD001
- F026M2FD006
- F026M2FD012
- F026M2FD018
- F026M2FD030
- F026M2FD033

**3000K**

Non Dimmable
- F026M3FA001
- F026M3FA006
- F026M3FA012
- F026M3FA018
- F026M3FA030
- F026M3FA033

1-10V
- F026M3FB001
- F026M3FB006
- F026M3FB012
- F026M3FB018
- F026M3FB030
- F026M3FB033

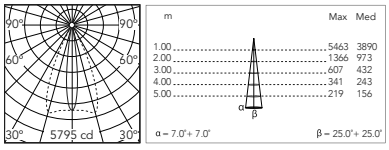
Dali
- F026M3FD001
- F026M3FD006
- F026M3FD012
- F026M3FD018
- F026M3FD030
- F026M3FD033

**4000K**

Non Dimmable
- F026M4FA001
- F026M4FA006
- F026M4FA012
- F026M4FA018
- F026M4FA030
- F026M4FA033

1-10V
- F026M4FB001
- F026M4FB006
- F026M4FB012
- F026M4FB018
- F026M4FB030
- F026M4FB033

Dali
- F026M4FD001
- F026M4FD006
- F026M4FD012
- F026M4FD018
- F026M4FD030
- F026M4FD033




@ 3000K

### Optic Elliptical 2 25º x 52º

**Power Led:** 17W - 1739 lm ≠ FIXT 1298 lm - 2700K/CRI 80 - 220-240V / 17W - 1803 lm ≠ FIXT 1351 lm - 3000K/CRI 80 - 220-240V / 17W - 1868 lm ≠ FIXT 1393 lm - 4000K/CRI 80 - 220-240V

**2700K**

Non Dimmable
- ○ F026M2GA001
- ● F026M2GA006
- ● F026M2GA012
- ● F026M2GA018
- ● F026M2GA030
- ● F026M2GA033

1-10V
- ○ F026M2GB001
- ● F026M2GB006
- ● F026M2GB012
- ● F026M2GB018
- ● F026M2GB030
- ● F026M2GB033

Dali
- ○ F026M2GD001
- ● F026M2GD006
- ● F026M2GD012
- ● F026M2GD018
- ● F026M2GD030
- ● F026M2GD033

**3000K**

Non Dimmable
- ○ F026M3GA001
- ● F026M3GA006
- ● F026M3GA012
- ● F026M3GA018
- ● F026M3GA030
- ● F026M3GA033

1-10V
- ○ F026M3GB001
- ● F026M3GB006
- ● F026M3GB012
- ● F026M3GB018
- ● F026M3GB030
- ● F026M3GB033

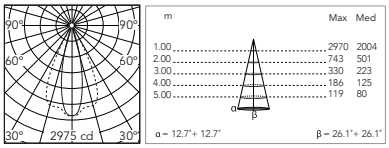
Dali
- ○ F026M3GD001
- ● F026M3GD006
- ● F026M3GD012
- ● F026M3GD018
- ● F026M3GD030
- ● F026M3GD033

**4000K**

Non Dimmable
- ○ F026M4GA001
- ● F026M4GA006
- ● F026M4GA012
- ● F026M4GA018
- ● F026M4GA030
- ● F026M4GA033

1-10V
- ○ F026M4GB001
- ● F026M4GB006
- ● F026M4GB012
- ● F026M4GB018
- ● F026M4GB030
- ● F026M4GB033

Dali
- ○ F026M4GD001
- ● F026M4GD006
- ● F026M4GD012
- ● F026M4GD018
- ● F026M4GD030
- ● F026M4GD033




@ 3000K

### Optic Wall Washer

**Power Led:** 17W - 1739 lm ≠ FIXT 1277 lm - 2700K/CRI 80 - 220-240V / 17W - 1803 lm ≠ FIXT 1325 lm - 3000K/CRI 80 - 220-240V / 17W - 1868 lm ≠ FIXT 1370 lm - 4000K/CRI 80 - 220-240V

**2700K**

Non Dimmable
- ○ F026M2HA001
- ● F026M2HA006
- ● F026M2HA012
- ● F026M2HA018
- ● F026M2HA030
- ● F026M2HA033

1-10V
- ○ F026M2HB001
- ● F026M2HB006
- ● F026M2HB012
- ● F026M2HB018
- ● F026M2HB030
- ● F026M2HB033

Dali
- ○ F026M2HD001
- ● F026M2HD006
- ● F026M2HD012
- ● F026M2HD018
- ● F026M2HD030
- ● F026M2HD033

**3000K**

Non Dimmable
- ○ F026M3HA001
- ● F026M3HA006
- ● F026M3HA012
- ● F026M3HA018
- ● F026M3HA030
- ● F026M3HA033

1-10V
- ○ F026M3HB001
- ● F026M3HB006
- ● F026M3HB012
- ● F026M3HB018
- ● F026M3HB030
- ● F026M3HB033

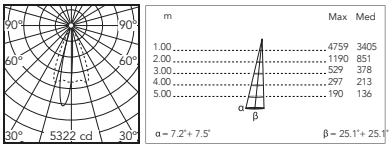
Dali
- ○ F026M3HD001
- ● F026M3HD006
- ● F026M3HD012
- ● F026M3HD018
- ● F026M3HD030
- ● F026M3HD033

**4000K**

Non Dimmable
- ○ F026M4HA001
- ● F026M4HA006
- ● F026M4HA012
- ● F026M4HA018
- ● F026M4HA030
- ● F026M4HA033

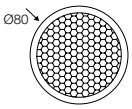
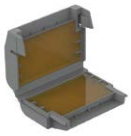
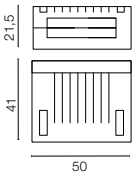
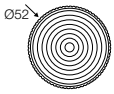
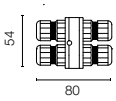
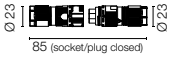
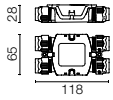
1-10V
- ○ F026M4HB001
- ● F026M4HB006
- ● F026M4HB012
- ● F026M4HB018
- ● F026M4HB030
- ● F026M4HB033

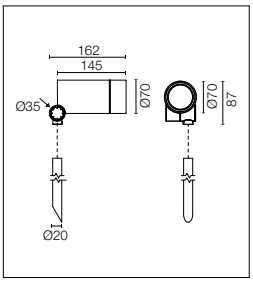
Dali
- ○ F026M4HD001
- ● F026M4HD006
- ● F026M4HD012
- ● F026M4HD018
- ● F026M4HD030
- ● F026M4HD033

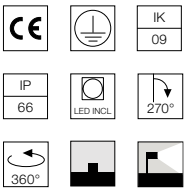



@ 3000K

## Spine F 2 Pro: Accessories / Accesorios

| | | | | |
|---|---|---|---|---|
| Honeycomb | Honeycomb Louvre | F026Z060000 | |   |
| Gelbox IPX8 for splicing connectors. | Caja de gel IPX8 para la conexión eléctrica. | F990C110000 |  |   |
| Converter lenses / Lentes de conversión:<br>- Converter Spine 2 Optic Medium Flood<br>- Converter Spine 2 Optic Flood<br>- Converter Spine 2 Optic Wide Flood<br>- Converter Spine 2 Optic Elliptic 1<br>- Converter Spine 2 Optic Elliptic 2<br>- Converter Spine 2 Optic Wall Washer | | <br>F029Z020000<br>F029Z021000<br>F029Z022000<br>F029Z023000<br>F029Z024000<br>F029Z025000 | |   |
| 2 way terminal block 4 poles IP68 H2O Stop. | Bloque de terminales IP68 H2O Stop anticondensación con 2 vías y 4 polos. | F990C00A000 | | |
| 3/4 way terminal block 4 poles IP68 H2O Stop. (ø5,5÷12mm cable). | Bloque de terminales IP68 H2O Stop anticondensación con 3/4 vías y 4 polos. (Cable ø5,5÷12 mm). | F990C010000 | |   |
| Connector kit 5-pole flying socket + EU plug IP68. | Kit de conectores de 5 polos enchufe volante + enchufe UE IP68. | F990C080000 | |   |
| 4 way junction box 5 poles IP68 (6-14 mm cables). | Caja de derivación de 5 polos y 4 vías IP68 (cables de 6-14 mm). | F990C030000 | |   |




Power LED source included. Equipped with an integrated snoot for higher visual comfort: the asymmetrical cut visor is available as an accessory. Collimators are available as an accessory to modify the beam opening. Integrated electric power supply 220-240V ON/OFF. Equipped with a 5m neoprene cable (10m upon request) for remote connection. To guarantee its water tightness, it is recommended to use flexible cables designed for outdoor use. The rod for ground installations is available in two sizes and needs to be ordered separately.
Upon request: 1-10V or DALI dimmable version with 24Vdc remote power supply.

2200K available on request.

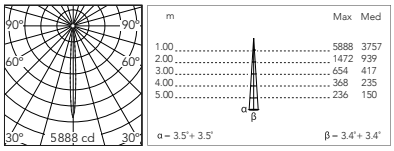
Fuente Power LED incluida. Equipada con snoot integrado para un confort visual mayor: como accesorio, está disponible el visor de corte asimétrico. Los colimadores son un accesorio disponible para modificar la apertura del haz lumínico. Fuente de alimentación eléctrica 220-240V ON/OFF integrada. Dotada con sección de cable en neopreno de 5m (10m bajo pedido) para conexión remota; para garantizar la estanqueidad se aconseja emplear cables flexibles para exteriores. La varilla para instalaciones en el suelo está disponible en dos dimensiones y se pide por separado.
Bajo petición, versión regulable 1-10V o DALI con fuente de alimentación remota 24Vdc.

2200K disponible bajo pedido.

### Optic Narrow Spot 7º

**Power Led:** 3,5W - 168 lm ≠ FIXT 143 lm - 2700K/CRI 80 - 220-240V / 3,5W - 174 lm ≠ FIXT 149 lm - 3000K/CRI 80 - 220-240V / 3,5W - 180 lm ≠ FIXT 154 lm - 4000K/CRI 80 - 220-240V

| 2700K | 3000K | 4000K |
|---|---|---|
| Non Dimmable | Non Dimmable | Non Dimmable |
| F025G2AA001 | F025G3AA001 | F025G4AA001 |
| F025G2AA006 | F025G3AA006 | F025G4AA006 |
| F025G2AA012 | F025G3AA012 | F025G4AA012 |
| F025G2AA018 | F025G3AA018 | F025G4AA018 |
| F025G2AA030 | F025G3AA030 | F025G4AA030 |
| F025G2AA033 | F025G3AA033 | F025G4AA033 |

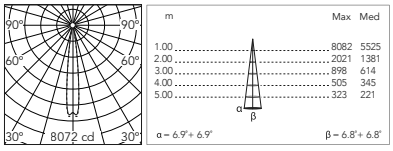



@ 3000K

### Optic Spot 14º

**Power Led:** 7,9W - 671 lm ≠ FIXT 550 lm - 2700K/CRI 80 - 220-240V / 7,9W - 696 lm ≠ FIXT 571 lm - 3000K/CRI 80 - 220-240V / 7,9W - 720 lm ≠ FIXT 591 lm - 4000K/CRI 80 - 220-240V

| 2700K | 3000K | 4000K |
|---|---|---|
| Non Dimmable | Non Dimmable | Non Dimmable |
| F025G2BA001 | F025G3BA001 | F025G4BA001 |
| F025G2BA006 | F025G3BA006 | F025G4BA006 |
| F025G2BA012 | F025G3BA012 | F025G4BA012 |
| F025G2BA018 | F025G3BA018 | F025G4BA018 |
| F025G2BA030 | F025G3BA030 | F025G4BA030 |
| F025G2BA033 | F025G3BA033 | F025G4BA033 |

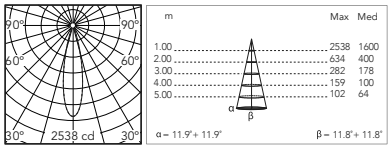



@ 3000K

### Optic Medium Flood 24,5º

**Power Led:** 7,9W - 671 lm ≠ FIXT 499 lm - 2700K/CRI 80 - 220-240V / 7,9W - 696 lm ≠ FIXT 518 lm - 3000K/CRI 80 - 220-240V / 7,9W - 720 lm ≠ FIXT 536 lm - 4000K/CRI 80 - 220-240V

| 2700K | 3000K | 4000K |
|---|---|---|
| Non Dimmable | Non Dimmable | Non Dimmable |
| F025G2CA001 | F025G3CA001 | F025G4CA001 |
| F025G2CA006 | F025G3CA006 | F025G4CA006 |
| F025G2CA012 | F025G3CA012 | F025G4CA012 |
| F025G2CA018 | F025G3CA018 | F025G4CA018 |
| F025G2CA030 | F025G3CA030 | F025G4CA030 |
| F025G2CA033 | F025G3CA033 | F025G4CA033 |

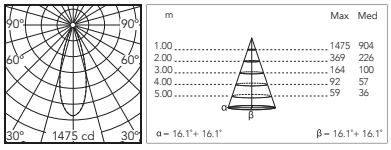



@ 3000K

### Optic Flood 32º

**Power Led:** 7,9W - 671 lm ≠ FIXT 482 lm - 2700K/CRI 80 - 220-240V / 7,9W - 696 lm ≠ FIXT 500 lm - 3000K/CRI 80 - 220-240V / 7,9W - 720 lm ≠ FIXT 518 lm - 4000K/CRI 80 - 220-240V

| 2700K | 3000K | 4000K |
|---|---|---|
| Non Dimmable | Non Dimmable | Non Dimmable |
| F025G2DA001 | F025G3DA001 | F025G4DA001 |
| F025G2DA006 | F025G3DA006 | F025G4DA006 |
| F025G2DA012 | F025G3DA012 | F025G4DA012 |
| F025G2DA018 | F025G3DA018 | F025G4DA018 |
| F025G2DA030 | F025G3DA030 | F025G4DA030 |
| F025G2DA033 | F025G3DA033 | F025G4DA033 |

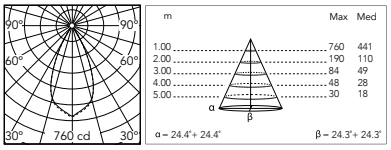



@ 3000K

### Optic Wide Flood 49º

**Power Led:** 7,9W - 671 lm ≠ FIXT 480 lm - 2700K/CRI 80 - 220-240V / 7,9W - 696 lm ≠ FIXT 490 lm - 3000K/CRI 80 - 220-240V / 7,9W - 720 lm ≠ FIXT 505 lm - 4000K/CRI 80 - 220-240V

| 2700K | 3000K | 4000K |
|---|---|---|
| Non Dimmable | Non Dimmable | Non Dimmable |
| F025G2EA001 | F025G3EA001 | F025G4EA001 |
| F025G2EA006 | F025G3EA006 | F025G4EA006 |
| F025G2EA012 | F025G3EA012 | F025G4EA012 |
| F025G2EA018 | F025G3EA018 | F025G4EA018 |
| F025G2EA030 | F025G3EA030 | F025G4EA030 |
| F025G2EA033 | F025G3EA033 | F025G4EA033 |

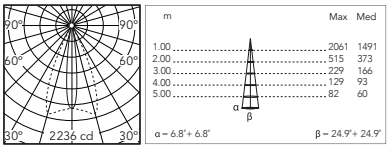



@ 3000K

### Optic Elliptical 1 13,5º x 50º

**Power Led:** 7,9W - 671 lm ≠ FIXT 500 lm - 2700K/CRI 80 - 220-240V / 7,9W - 696 lm ≠ FIXT 519 lm - 3000K/CRI 80 - 220-240V / 7,9W - 720 lm ≠ FIXT 537 lm - 4000K/CRI 80 - 220-240V

| 2700K | 3000K | 4000K |
|---|---|---|
| Non Dimmable | Non Dimmable | Non Dimmable |
| F025G2FA001 | F025G3FA001 | F025G4FA001 |
| F025G2FA006 | F025G3FA006 | F025G4FA006 |
| F025G2FA012 | F025G3FA012 | F025G4FA012 |
| F025G2FA018 | F025G3FA018 | F025G4FA018 |
| F025G2FA030 | F025G3FA030 | F025G4FA030 |
| F025G2FA033 | F025G3FA033 | F025G4FA033 |

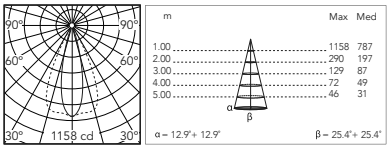



@ 3000K

### Optic Elliptical 2 26º x 51º

**Power Led:** 7,9W - 671 lm ≠ FIXT 487 lm - 2700K/CRI 80 - 220-240V / 7,9W - 696 lm ≠ FIXT 505 lm - 3000K/CRI 80 - 220-240V / 7,9W - 720 lm ≠ FIXT 523 lm - 4000K/CRI 80 - 220-240V

| 2700K | 3000K | 4000K |
|---|---|---|
| Non Dimmable | Non Dimmable | Non Dimmable |
| F025G2GA001 | F025G3GA001 | F025G4GA001 |
| F025G2GA006 | F025G3GA006 | F025G4GA006 |
| F025G2GA012 | F025G3GA012 | F025G4GA012 |
| F025G2GA018 | F025G3GA018 | F025G4GA018 |
| F025G2GA030 | F025G3GA030 | F025G4GA030 |
| F025G2GA033 | F025G3GA033 | F025G4GA033 |

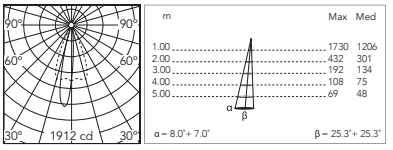



@ 3000K

### Optic Wall Washer

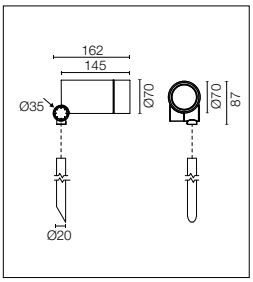
**Power Led:** 7,9W - 671 lm ≠ FIXT 471 lm - 2700K/CRI 80 - 220-240V / 7,9W - 696 lm ≠ FIXT 489 lm - 3000K/CRI 80 - 220-240V / 7,9W - 720 lm ≠ FIXT 506 lm - 4000K/CRI 80 - 220-240V

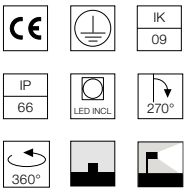
| 2700K | 3000K | 4000K |
|---|---|---|
| Non Dimmable | Non Dimmable | Non Dimmable |
| F025G2HA001 | F025G3HA001 | F025G4HA001 |
| F025G2HA006 | F025G3HA006 | F025G4HA006 |
| F025G2HA012 | F025G3HA012 | F025G4HA012 |
| F025G2HA018 | F025G3HA018 | F025G4HA018 |
| F025G2HA030 | F025G3HA030 | F025G4HA030 |
| F025G2HA033 | F025G3HA033 | F025G4HA033 |




@ 3000K

# Spine F 1 Ultra Hp



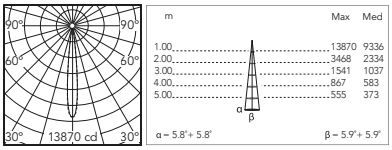

Energy-efficient Power LED source included Equipped with an integrated snoot for higher visual comfort: the asymmetrical cut visor is available as an accessory. Collimators are available as an accessory to modify the beam opening. Integrated electric power supply 220-240V ON/OFF. Equipped with a 5m neoprene cable (10m upon request) for remote connection. To guarantee its water tightness, it is recommended to use flexible cables designed for outdoor use. The rod for ground installations is available in two sizes and needs to be ordered separately.
Upon request: 1-10V or DALI dimmable version with 24Vdc remote power supply.

Fuente Power LED de bajo consumo incluida. Equipada con snoot integrado para un confort visual mayor: como accesorio, está disponible el visor de corte asimétrico. Los colimadores son un accesorio disponible para modificar la apertura del haz lumínico. Fuente de alimentación eléctrica 220-240V ON/OFF integrada. Dotada con sección de cable en neopreno de 5m (10m bajo pedido) para conexión remota; para garantizar la estanqueidad se aconseja emplear cables flexibles para exteriores. La varilla para instalaciones en el suelo está disponible en dos dimensiones y se pide por separado.
Bajo petición, versión regulable 1-10V o DALI con fuente de alimentación remota 24Vdc.

### Optic Spot 12º

**Power Led:** 10,5W - 920 lm ≠ FIXT 680 lm - 2700K/CRI 80 - 220-240V / 10,5W - 966 lm ≠ FIXT 706 lm - 3000K/CRI 80 - 220-240V / 10,5W - 1012 lm ≠ FIXT 730 lm - 4000K/CRI 80 - 220-240V

| 2700K | 3000K | 4000K |
|---|---|---|
| Non Dimmable | Non Dimmable | Non Dimmable |
| F025H2BA001 | F025H3BA001 | F025H4BA001 |
| F025H2BA006 | F025H3BA006 | F025H4BA006 |
| F025H2BA012 | F025H3BA012 | F025H4BA012 |
| F025H2BA018 | F025H3BA018 | F025H4BA018 |
| F025H2BA030 | F025H3BA030 | F025H4BA030 |
| F025H2BA033 | F025H3BA033 | F025H4BA033 |

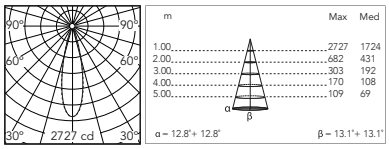



@ 3000K

### Optic Medium Flood 26,5º

**Power Led:** 10,5W - 920 lm ≠ FIXT 594 lm - 2700K/CRI 80 - 220-240V / 10,5W - 966 lm ≠ FIXT 630 lm - 3000K/CRI 80 - 220-240V / 10,5W - 1012 lm ≠ FIXT 654 lm - 4000K/CRI 80 - 220-240V

| 2700K | 3000K | 4000K |
|---|---|---|
| Non Dimmable | Non Dimmable | Non Dimmable |
| F025H2CA001 | F025H3CA001 | F025H4CA001 |
| F025H2CA006 | F025H3CA006 | F025H4CA006 |
| F025H2CA012 | F025H3CA012 | F025H4CA012 |
| F025H2CA018 | F025H3CA018 | F025H4CA018 |
| F025H2CA030 | F025H3CA030 | F025H4CA030 |
| F025H2CA033 | F025H3CA033 | F025H4CA033 |

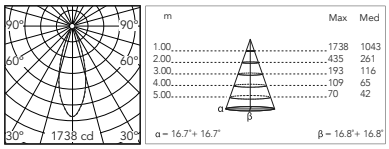



@ 3000K

### Optic Flood 33,5º

**Power Led:** 10,5W - 920 lm ≠ FIXT 592 lm - 2700K/CRI 80 - 220-240V / 10,5W - 966 lm ≠ FIXT 627 lm - 3000K/CRI 80 - 220-240V / 10,5W - 1012 lm ≠ FIXT 651 lm - 4000K/CRI 80 - 220-240V

| 2700K | 3000K | 4000K |
|---|---|---|
| Non Dimmable | Non Dimmable | Non Dimmable |
| F025H2DA001 | F025H3DA001 | F025H4DA001 |
| F025H2DA006 | F025H3DA006 | F025H4DA006 |
| F025H2DA012 | F025H3DA012 | F025H4DA012 |
| F025H2DA018 | F025H3DA018 | F025H4DA018 |
| F025H2DA030 | F025H3DA030 | F025H4DA030 |
| F025H2DA033 | F025H3DA033 | F025H4DA033 |

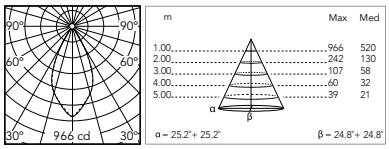



@ 3000K

### Optic Wide Flood 50º

**Power Led:** 10,5W - 920 lm ≠ FIXT 591 lm - 2700K/CRI 80 - 220-240V / 10,5W - 966 lm ≠ FIXT 619 lm - 3000K/CRI 80 - 220-240V / 10,5W - 1012 lm ≠ FIXT 650 lm - 4000K/CRI 80 - 220-240V

| 2700K | 3000K | 4000K |
|---|---|---|
| Non Dimmable | Non Dimmable | Non Dimmable |
| F025H2EA001 | F025H3EA001 | F025H4EA001 |
| F025H2EA006 | F025H3EA006 | F025H4EA006 |
| F025H2EA012 | F025H3EA012 | F025H4EA012 |
| F025H2EA018 | F025H3EA018 | F025H4EA018 |
| F025H2EA030 | F025H3EA030 | F025H4EA030 |
| F025H2EA033 | F025H3EA033 | F025H4EA033 |

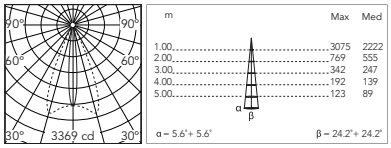



@ 3000K

### Optic Elliptical 1 11,5º x 49º

**Power Led:** 10,5W - 920 lm ≠ FIXT 603 lm - 2700K/CRI 80 - 220-240V / 10,5W - 966 lm ≠ FIXT 639 lm - 3000K/CRI 80 - 220-240V / 10,5W - 1012 lm ≠ FIXT 663 lm - 4000K/CRI 80 - 220-240V

| 2700K | 3000K | 4000K |
|---|---|---|
| Non Dimmable | Non Dimmable | Non Dimmable |
| F025H2FA001 | F025H3FA001 | F025H4FA001 |
| F025H2FA006 | F025H3FA006 | F025H4FA006 |
| F025H2FA012 | F025H3FA012 | F025H4FA012 |
| F025H2FA018 | F025H3FA018 | F025H4FA018 |
| F025H2FA030 | F025H3FA030 | F025H4FA030 |
| F025H2FA033 | F025H3FA033 | F025H4FA033 |

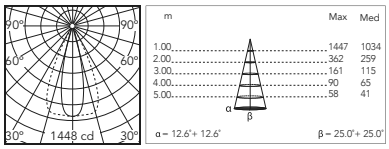



@ 3000K

### Optic Elliptical 2 25,5º x 50º

**Power Led:** 10,5W - 920 lm ≠ FIXT 601 lm - 2700K/CRI 80 - 220-240V / 10,5W - 966 lm ≠ FIXT 624 lm - 3000K/CRI 80 - 220-240V / 10,5W - 1012 lm ≠ FIXT 645 lm - 4000K/CRI 80 - 220-240V

| 2700K | 3000K | 4000K |
|---|---|---|
| Non Dimmable | Non Dimmable | Non Dimmable |
| F025H2GA001 | F025H3GA001 | F025H4GA001 |
| F025H2GA006 | F025H3GA006 | F025H4GA006 |
| F025H2GA012 | F025H3GA012 | F025H4GA012 |
| F025H2GA018 | F025H3GA018 | F025H4GA018 |
| F025H2GA030 | F025H3GA030 | F025H4GA030 |
| F025H2GA033 | F025H3GA033 | F025H4GA033 |

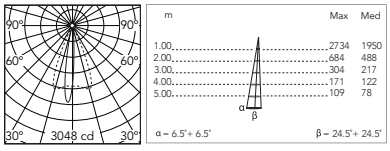



@ 3000K

### Optic Wall Washer

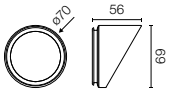
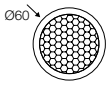
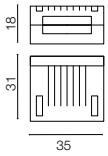
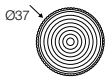
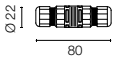
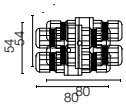
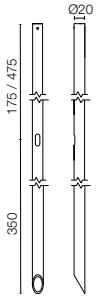
**Power Led:** 10,5W - 920 lm ≠ FIXT 574 lm - 2700K/CRI 80 - 220-240V / 10,5W - 966 lm ≠ FIXT 609 lm - 3000K/CRI 80 - 220-240V / 10,5W - 1012 lm ≠ FIXT 631 lm - 4000K/CRI 80 - 220-240V

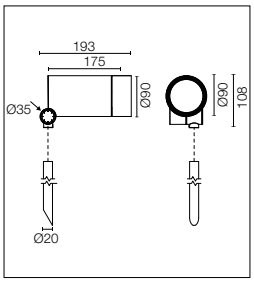
| 2700K | 3000K | 4000K |
|---|---|---|
| Non Dimmable | Non Dimmable | Non Dimmable |
| F025H2HA001 | F025H3HA001 | F025H4HA001 |
| F025H2HA006 | F025H3HA006 | F025H4HA006 |
| F025H2HA012 | F025H3HA012 | F025H4HA012 |
| F025H2HA018 | F025H3HA018 | F025H4HA018 |
| F025H2HA030 | F025H3HA030 | F025H4HA030 |
| F025H2HA033 | F025H3HA033 | F025H4HA033 |

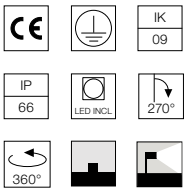



@ 3000K

## Spine F 1 Ultra: Accessories / Accesorios

| | | | | |
|---|---|---|---|---|
| Visor | Visor | ○ F025Z050001<br>● F025Z050006<br>● F025Z050012<br>● F025Z050018<br>● F025Z050030<br>● F025Z050033 | |  |
| Honeycomb | Honeycomb Louvre | F025Z060000 | |  |
| Gelbox IPX8 for splicing connectors. | Caja de gel IPX8 para la conexión eléctrica. | F990C100000 | |  |
| Converter lenses / Llentes de conversión:<br>- Converter Spine 1 Optic Medium Flood<br>- Converter Spine 1 Optic Flood<br>- Converter Spine 1 Optic Wide Flood<br>- Converter Spine 1 Optic Elliptic 1<br>- Converter Spine 1 Optic Elliptic 2<br>- Converter Spine 1 Optic Wall Washer | | <br>F029Z010000<br>F029Z011000<br>F029Z012000<br>F029Z013000<br>F029Z014000<br>F029Z015000 | |  |
| 2 way terminal block 4 poles IP68 H2O Stop. | Bloque de terminales IP68 H2O Stop anticondensación con 2 vías y 4 polos. | F990C00A000 | |  |
| 3/4 way terminal block 4 poles IP68 H2O Stop. (ø5,5÷12mm cable). | Bloque de terminales IP68 H2O Stop anticondensación con 3/4 vías y 4 polos. (Cable ø5,5÷12 mm). | F990C010000 | |  |
| Pole with an overground length of 200 - 500 mm for ground installation. | Poste longitud 200 – 500 mm por encima del suelo para instalaciones en suelo. | 200 mm<br>○ F026Z020001<br>● F026Z020006<br>● F026Z020012<br>● F026Z020018<br>● F026Z020030<br>● F026Z020033<br>500 mm<br>○ F026Z030001<br>● F026Z030006<br>● F026Z030012<br>● F026Z030018<br>● F026Z030030<br>● F026Z030033 | |  |




Power LED source included. Equipped with an integrated snoot for higher visual comfort: the asymmetrical cut visor is available as an accessory. Collimators are available as an accessory to modify the beam opening. Integrated electric power supply 220-240V ON/OFF and adjustable 1-10V or DALI. Equipped with a 5m neoprene cable (10m upon request) for remote connection. To guarantee its water tightness, it is recommended to use flexible cables designed for outdoor use. The rod for ground installations is available in two sizes and needs to be ordered separately.

Optic Narrow Spot

2200K available on request.

Fuente Power LED incluida. Equipada con snoot integrado para un confort visual mayor: como accesorio, está disponible el visor de corte asimétrico. Los colimadores son un accesorio disponible para modificar la apertura del haz lumínico. Fuente de alimentación eléctrica 220-240V ON/OFF y regulable 1-10V o DALI integrada. Dotada con sección de cable en neopreno de 5m (10m bajo pedido) para conexión remota; para garantizar la estanqueidad se aconseja emplear cables flexibles para exteriores. La varilla para instalaciones en el suelo está disponible en dos dimensiones y se pide por separado.

Optic Narrow Spot

2200K disponible bajo pedido.

### Optic Narrow Spot 6º

**Power Led:** 4,1W - 248 lm ≠ FIXT 230 lm - 2700K/CRI 80 - 220-240V / 4,1W - 258 lm ≠ FIXT 239 lm - 3000K/CRI 80 - 220-240V / 4,1W - 267 lm ≠ FIXT 247 lm - 4000K/CRI 80 - 220-240V

**2700K**

Non Dimmable
- ○ F026G2AA001
- ● F026G2AA006
- ● F026G2AA012
- ● F026G2AA018
- ● F026G2AA030
- ● F026G2AA033

1-10V
- ○ F026G2AB001
- ● F026G2AB006
- ● F026G2AB012
- ● F026G2AB018
- ● F026G2AB030
- ● F026G2AB033

Dali
- ○ F026G2AD001
- ● F026G2AD006
- ● F026G2AD012
- ● F026G2AD018
- ● F026G2AD030
- ● F026G2AD033

**3000K**

Non Dimmable
- ○ F026G3AA001
- ● F026G3AA006
- ● F026G3AA012
- ● F026G3AA018
- ● F026G3AA030
- ● F026G3AA033

1-10V
- ○ F026G3AB001
- ● F026G3AB006
- ● F026G3AB012
- ● F026G3AB018
- ● F026G3AB030
- ● F026G3AB033

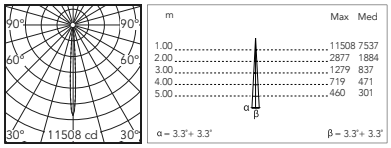
Dali
- ○ F026G3AD001
- ● F026G3AD006
- ● F026G3AD012
- ● F026G3AD018
- ● F026G3AD030
- ● F026G3AD033

**4000K**

Non Dimmable
- ○ F026G4AA001
- ● F026G4AA006
- ● F026G4AA012
- ● F026G4AA018
- ● F026G4AA030
- ● F026G4AA033

1-10V
- ○ F026G4AB001
- ● F026G4AB006
- ● F026G4AB012
- ● F026G4AB018
- ● F026G4AB030
- ● F026G4AB033

Dali
- ○ F026G4AD001
- ● F026G4AD006
- ● F026G4AD012
- ● F026G4AD018
- ● F026G4AD030
- ● F026G4AD033




@ 3000K

### Optic Spot 9,5º

**Power Led:** 10,5W - 920 lm ≠ FIXT 769 lm - 2700K/CRI 80 - 220-240Vv / 10,5W - 966 lm ≠ FIXT 808 lm - 3000K/CRI 80 - 220-240V / 10,5W - 1012 lm ≠ FIXT 846 lm - 4000K/CRI 80 - 220-240V

**2700K**

Non Dimmable
- ○ F026G2BA001
- ● F026G2BA006
- ● F026G2BA012
- ● F026G2BA018
- ● F026G2BA030
- ● F026G2BA033

1-10V
- ○ F026G2BB001
- ● F026G2BB006
- ● F026G2BB012
- ● F026G2BB018
- ● F026G2BB030
- ● F026G2BB033

Dali
- ○ F026G2BD001
- ● F026G2BD006
- ● F026G2BD012
- ● F026G2BD018
- ● F026G2BD030
- ● F026G2BD033

**3000K**

Non Dimmable
- ○ F026G3BA001
- ● F026G3BA006
- ● F026G3BA012
- ● F026G3BA018
- ● F026G3BA030
- ● F026G3BA033

1-10V
- ○ F026G3BB001
- ● F026G3BB006
- ● F026G3BB012
- ● F026G3BB018
- ● F026G3BB030
- ● F026G3BB033

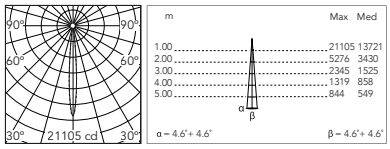
Dali
- ○ F026G3BD001
- ● F026G3BD006
- ● F026G3BD012
- ● F026G3BD018
- ● F026G3BD030
- ● F026G3BD033

**4000K**

Non Dimmable
- ○ F026G4BA001
- ● F026G4BA006
- ● F026G4BA012
- ● F026G4BA018
- ● F026G4BA030
- ● F026G4BA033

1-10V
- ○ F026G4BB001
- ● F026G4BB006
- ● F026G4BB012
- ● F026G4BB018
- ● F026G4BB030
- ● F026G4BB033

Dali
- ○ F026G4BD001
- ● F026G4BD006
- ● F026G4BD012
- ● F026G4BD018
- ● F026G4BD030
- ● F026G4BD033




@ 3000K

### Optic Medium Flood 28º

**Power Led:** 10,5W - 920 lm ≠ FIXT 715 lm - 2700K/CRI 80 - 220-240V / 10,5W - 966 lm ≠ FIXT 742 lm - 3000K/CRI 80 - 220-240V / 10,5W - 1012 lm ≠ FIXT 767 lm - 4000K/CRI 80 - 220-240V

**2700K**
Non Dimmable
- F026G2CA001
- F026G2CA006
- F026G2CA012
- F026G2CA018
- F026G2CA030
- F026G2CA033

1-10V
- F026G2CB001
- F026G2CB006
- F026G2CB012
- F026G2CB018
- F026G2CB030
- F026G2CB033

Dali
- F026G2CD001
- F026G2CD006
- F026G2CD012
- F026G2CD018
- F026G2CD030
- F026G2CD033

**3000K**
Non Dimmable
- F026G3CA001
- F026G3CA006
- F026G3CA012
- F026G3CA018
- F026G3CA030
- F026G3CA033

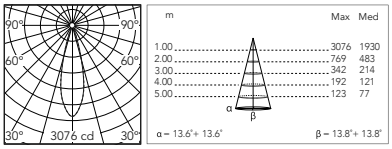
1-10V
- F026G3CB001
- F026G3CB006
- F026G3CB012
- F026G3CB018
- F026G3CB030
- F026G3CB033

Dali
- F026G3CD001
- F026G3CD006
- F026G3CD012
- F026G3CD018
- F026G3CD030
- F026G3CD033

**4000K**
Non Dimmable
- F026G4CA001
- F026G4CA006
- F026G4CA012
- F026G4CA018
- F026G4CA030
- F026G4CA033

1-10V
- F026G4CB001
- F026G4CB006
- F026G4CB012
- F026G4CB018
- F026G4CB030
- F026G4CB033

Dali
- F026G4CD001
- F026G4CD006
- F026G4CD012
- F026G4CD018
- F026G4CD030
- F026G4CD033




@ 3000K

### Optic Flood 33º

**Power Led:** 10,5W - 920 lm ≠ FIXT 695 lm - 2700K/CRI 80 - 220-240V / 10,5W - 966 lm ≠ FIXT 721 lm - 3000K/CRI 80 - 220-240V / 10,5W - 1012 lm ≠ FIXT 746 lm - 4000K/CRI 80 - 220-240V

**2700K**
Non Dimmable
- F026G2DA001
- F026G2DA006
- F026G2DA012
- F026G2DA018
- F026G2DA030
- F026G2DA033

1-10V
- F026G2DB001
- F026G2DB006
- F026G2DB012
- F026G2DB018
- F026G2DB030
- F026G2DB033

Dali
- F026G2DD001
- F026G2DD006
- F026G2DD012
- F026G2DD018
- F026G2DD030
- F026G2DD033

**3000K**
Non Dimmable
- F026G3DA001
- F026G3DA006
- F026G3DA012
- F026G3DA018
- F026G3DA030
- F026G3DA033

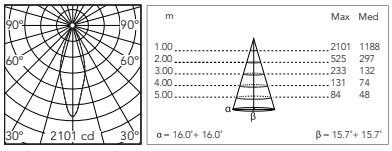
1-10V
- F026G3DB001
- F026G3DB006
- F026G3DB012
- F026G3DB018
- F026G3DB030
- F026G3DB033

Dali
- F026G3DD001
- F026G3DD006
- F026G3DD012
- F026G3DD018
- F026G3DD030
- F026G3DD033

**4000K**
Non Dimmable
- F026G4DA001
- F026G4DA006
- F026G4DA012
- F026G4DA018
- F026G4DA030
- F026G4DA033

1-10V
- F026G4DB001
- F026G4DB006
- F026G4DB012
- F026G4DB018
- F026G4DB030
- F026G4DB033

Dali
- F026G4DD001
- F026G4DD006
- F026G4DD012
- F026G4DD018
- F026G4DD030
- F026G4DD033




@ 3000K

### Optic Wide Flood 51º

**Power Led:** 10,5W - 920 lm ≠ FIXT 711 lm - 2700K/CRI 80 - 220-240V / 10,5W - 966 lm ≠ FIXT 741 lm - 3000K/CRI 80 - 220-240V / 10,5W - 1012 lm ≠ FIXT 778 lm - 4000K/CRI 80 - 220-240V

**2700K**
Non Dimmable
- F026G2EA001
- F026G2EA006
- F026G2EA012
- F026G2EA018
- F026G2EA030
- F026G2EA033

1-10V
- F026G2EB001
- F026G2EB006
- F026G2EB012
- F026G2EB018
- F026G2EB030
- F026G2EB033

Dali
- F026G2ED001
- F026G2ED006
- F026G2ED012
- F026G2ED018
- F026G2ED030
- F026G2ED033

**3000K**
Non Dimmable
- F026G3EA001
- F026G3EA006
- F026G3EA012
- F026G3EA018
- F026G3EA030
- F026G3EA033

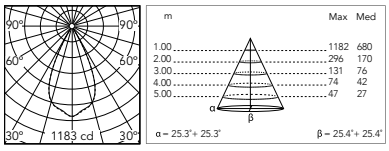
1-10V
- F026G3EB001
- F026G3EB006
- F026G3EB012
- F026G3EB018
- F026G3EB030
- F026G3EB033

Dali
- F026G3ED001
- F026G3ED006
- F026G3ED012
- F026G3ED018
- F026G3ED030
- F026G3ED033

**4000K**
Non Dimmable
- F026G4EA001
- F026G4EA006
- F026G4EA012
- F026G4EA018
- F026G4EA030
- F026G4EA033

1-10V
- F026G4EB001
- F026G4EB006
- F026G4EB012
- F026G4EB018
- F026G4EB030
- F026G4EB033

Dali
- F026G4ED001
- F026G4ED006
- F026G4ED012
- F026G4ED018
- F026G4ED030
- F026G4ED033




@ 3000K

### Optic Elliptical 1 9,5º x 48º

**Power Led:** 10,5W - 920 lm ≠ FIXT 717 lm - 2700K/CRI 80 - 220-240V / 10,5W - 966 lm ≠ FIXT 744 lm - 3000K/CRI 80 - 220-240V / 10,5W - 1012 lm ≠ FIXT 770 lm - 4000K/CRI 80 - 220-240V

**2700K**
Non Dimmable
- F026G2FA001
- F026G2FA006
- F026G2FA012
- F026G2FA018
- F026G2FA030
- F026G2FA033

1-10V
- F026G2FB001
- F026G2FB006
- F026G2FB012
- F026G2FB018
- F026G2FB030
- F026G2FB033

Dali
- F026G2FD001
- F026G2FD006
- F026G2FD012
- F026G2FD018
- F026G2FD030
- F026G2FD033

**3000K**
Non Dimmable
- F026G3FA001
- F026G3FA006
- F026G3FA012
- F026G3FA018
- F026G3FA030
- F026G3FA033

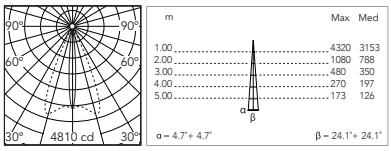
1-10V
- F026G3FB001
- F026G3FB006
- F026G3FB012
- F026G3FB018
- F026G3FB030
- F026G3FB033

Dali
- F026G3FD001
- F026G3FD006
- F026G3FD012
- F026G3FD018
- F026G3FD030
- F026G3FD033

**4000K**
Non Dimmable
- F026G4FA001
- F026G4FA006
- F026G4FA012
- F026G4FA018
- F026G4FA030
- F026G4FA033

1-10V
- F026G4FB001
- F026G4FB006
- F026G4FB012
- F026G4FB018
- F026G4FB030
- F026G4FB033

Dali
- F026G4FD001
- F026G4FD006
- F026G4FD012
- F026G4FD018
- F026G4FD030
- F026G4FD033




@ 3000K

### Optic Elliptical 2 24º x 50º

**Power Led:** 10,5W - 920 lm ≠ FIXT 699 lm - 2700K/CRI 80 - 220-240V / 10,5W - 966 lm ≠ FIXT 725 lm - 3000K/CRI 80 - 220-240V / 10,5W - 1012 lm ≠ FIXT 750 lm - 4000K/CRI 80 - 220-240V

**2700K**
Non Dimmable
- F026G2GA001
- F026G2GA006
- F026G2GA012
- F026G2GA018
- F026G2GA030
- F026G2GA033

1-10V
- F026G2GB001
- F026G2GB006
- F026G2GB012
- F026G2GB018
- F026G2GB030
- F026G2GB033

Dali
- F026G2GD001
- F026G2GD006
- F026G2GD012
- F026G2GD018
- F026G2GD030
- F026G2GD033

**3000K**
Non Dimmable
- F026G3GA001
- F026G3GA006
- F026G3GA012
- F026G3GA018
- F026G3GA030
- F026G3GA033

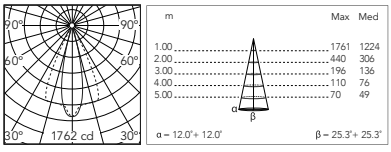
1-10V
- F026G3GB001
- F026G3GB006
- F026G3GB012
- F026G3GB018
- F026G3GB030
- F026G3GB033

Dali
- F026G3GD001
- F026G3GD006
- F026G3GD012
- F026G3GD018
- F026G3GD030
- F026G3GD033

**4000K**
Non Dimmable
- F026G4GA001
- F026G4GA006
- F026G4GA012
- F026G4GA018
- F026G4GA030
- F026G4GA033

1-10V
- F026G4GB001
- F026G4GB006
- F026G4GB012
- F026G4GB018
- F026G4GB030
- F026G4GB033

Dali
- F026G4GD001
- F026G4GD006
- F026G4GD012
- F026G4GD018
- F026G4GD030
- F026G4GD033




@ 3000K

### Optic Wall Washer

**Power Led:** 10,5W - 920 lm ≠ FIXT 673 lm - 2700K/CRI 80 - 220-240V / 10,5W - 966 lm ≠ FIXT 698 lm - 3000K/CRI 80 - 220-240V / 10,5W - 1012 lm ≠ FIXT 672 lm - 4000K/CRI 80 - 220-240V

**2700K**
Non Dimmable
- F026G2HA001
- F026G2HA006
- F026G2HA012
- F026G2HA018
- F026G2HA030
- F026G2HA033

1-10V
- F026G2HB001
- F026G2HB006
- F026G2HB012
- F026G2HB018
- F026G2HB030
- F026G2HB033

Dali
- F026G2HD001
- F026G2HD006
- F026G2HD012
- F026G2HD018
- F026G2HD030
- F026G2HD033

**3000K**
Non Dimmable
- F026G3HA001
- F026G3HA006
- F026G3HA012
- F026G3HA018
- F026G3HA030
- F026G3HA033

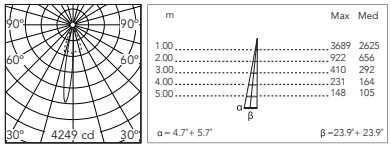
1-10V
- F026G3HB001
- F026G3HB006
- F026G3HB012
- F026G3HB018
- F026G3HB030
- F026G3HB033

Dali
- F026G3HD001
- F026G3HD006
- F026G3HD012
- F026G3HD018
- F026G3HD030
- F026G3HD033

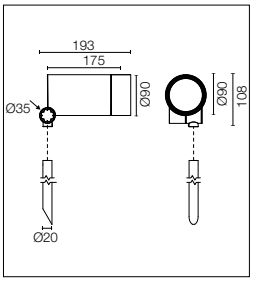
**4000K**
Non Dimmable
- F026G4HA001
- F026G4HA006
- F026G4HA012
- F026G4HA018
- F026G4HA030
- F026G4HA033

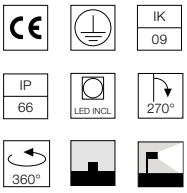
1-10V
- F026G4HB001
- F026G4HB006
- F026G4HB012
- F026G4HB018
- F026G4HB030
- F026G4HB033

Dali
- F026G4HD001
- F026G4HD006
- F026G4HD012
- F026G4HD018
- F026G4HD030
- F026G4HD033




@ 3000K




Energy-efficient Power LED source included Equipped with an integrated snoot for higher visual comfort: the asymmetrical cut visor is available as an accessory. Collimators are available as an accessory to modify the beam opening. Integrated electric power supply 220-240V ON/OFF and adjustable 1-10V or DALI. Equipped with a 5m neoprene cable (10m upon request) for remote connection. To guarantee its water tightness, it is recommended to use flexible cables designed for outdoor use. The rod for ground installations is available in two sizes and needs to be ordered separately.

2200K available on request.

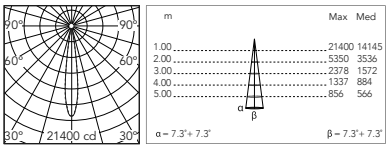
Fuente Power LED de bajo consumo incluida. Equipada con snoot integrado para un confort visual mayor: como accesorio, está disponible el visor de corte asimétrico. Los colimadores son un accesorio disponible para modificar la apertura del haz lumínico. Fuente de alimentación eléctrica 220-240V ON/OFF y regulable 1-10V o DALI integrada. Dotada con sección de cable en neopreno de 5m (10m bajo pedido) para conexión remota; para garantizar la estanqueidad se aconseja emplear cables flexibles para exteriores. La varilla para instalaciones en el suelo está disponible en dos dimensiones y se pide por separado.

2200K disponible bajo pedido.

### Optic Spot 14,5º

**Power Led:** 17W - 1739 lm ≠ FIXT 1443 lm - 2700K/CRI 80 - 220-240V / 17W - 1803 lm ≠ FIXT 1497 lm - 3000K/CRI 80 - 220-240V / 17W - 1868 lm ≠ FIXT 1548 lm - 4000K/CRI 80 - 220-240V

| 2700K | 3000K | 4000K |
|---|---|---|
| Non Dimmable | Non Dimmable | Non Dimmable |
| ○ F026H2BA001 | ○ F026H3BA001 | ○ F026H4BA001 |
| ● F026H2BA006 | ● F026H3BA006 | ● F026H4BA006 |
| ● F026H2BA012 | ● F026H3BA012 | ● F026H4BA012 |
| ● F026H2BA018 | ● F026H3BA018 | ● F026H4BA018 |
| ● F026H2BA030 | ● F026H3BA030 | ● F026H4BA030 |
| ● F026H2BA033 | ● F026H3BA033 | ● F026H4BA033 |
| 1-10V | 1-10V | 1-10V |
| ○ F026H2BB001 | ○ F026H3BB001 | ○ F026H4BB001 |
| ● F026H2BB006 | ● F026H3BB006 | ● F026H4BB006 |
| ● F026H2BB012 | ● F026H3BB012 | ● F026H4BB012 |
| ● F026H2BB018 | ● F026H3BB018 | ● F026H4BB018 |
| ● F026H2BB030 | ● F026H3BB030 | ● F026H4BB030 |
| ● F026H2BB033 | ● F026H3BB033 | ● F026H4BB033 |
| Dali | Dali | Dali |
| ○ F026H2BD001 | ○ F026H3BD001 | ○ F026H4BD001 |
| ● F026H2BD006 | ● F026H3BD006 | ● F026H4BD006 |
| ● F026H2BD012 | ● F026H3BD012 | ● F026H4BD012 |
| ● F026H2BD018 | ● F026H3BD018 | ● F026H4BD018 |
| ● F026H2BD030 | ● F026H3BD030 | ● F026H4BD030 |
| ● F026H2BD033 | ● F026H3BD033 | ● F026H4BD033 |

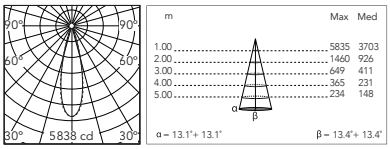



@ 3000K

### Optic Medium Flood 26º

**Power Led:** 17W - 1739 lm ≠ FIXT 1336 lm - 2700K/CRI 80 - 220-240V / 17W - 1803 lm ≠ FIXT 1386 lm - 3000K/CRI 80 - 220-240V / 17W - 1868 lm ≠ FIXT 1434 lm - 4000K/CRI 80 - 220-240V

| 2700K | 3000K | 4000K |
|---|---|---|
| Non Dimmable | Non Dimmable | Non Dimmable |
| ○ F026H2CA001 | ○ F026H3CA001 | ○ F026H4CA001 |
| ● F026H2CA006 | ● F026H3CA006 | ● F026H4CA006 |
| ● F026H2CA012 | ● F026H3CA012 | ● F026H4CA012 |
| ● F026H2CA018 | ● F026H3CA018 | ● F026H4CA018 |
| ● F026H2CA030 | ● F026H3CA030 | ● F026H4CA030 |
| ● F026H2CA033 | ● F026H3CA033 | ● F026H4CA033 |
| 1-10V | 1-10V | 1-10V |
| ○ F026H2CB001 | ○ F026H3CB001 | ○ F026H4CB001 |
| ● F026H2CB006 | ● F026H3CB006 | ● F026H4CB006 |
| ● F026H2CB012 | ● F026H3CB012 | ● F026H4CB012 |
| ● F026H2CB018 | ● F026H3CB018 | ● F026H4CB018 |
| ● F026H2CB030 | ● F026H3CB030 | ● F026H4CB030 |
| ● F026H2CB033 | ● F026H3CB033 | ● F026H4CB033 |
| Dali | Dali | Dali |
| ○ F026H2CD001 | ○ F026H3CD001 | ○ F026H4CD001 |
| ● F026H2CD006 | ● F026H3CD006 | ● F026H4CD006 |
| ● F026H2CD012 | ● F026H3CD012 | ● F026H4CD012 |
| ● F026H2CD018 | ● F026H3CD018 | ● F026H4CD018 |
| ● F026H2CD030 | ● F026H3CD030 | ● F026H4CD030 |
| ● F026H2CD033 | ● F026H3CD033 | ● F026H4CD033 |




@ 3000K

### Optic Flood 36º

**Power Led:** 17W - 1739 lm ≠ FIXT 1302 lm - 2700K/CRI 80 - 220-240V / 17W - 1803 lm ≠ FIXT 1351 lm - 3000K/CRI 80 - 220-240V / 17W - 1868 lm ≠ FIXT 1397 lm - 4000K/CRI 80 - 220-240V

**2700K**
Non Dimmable
- F026H2DA001
- F026H2DA006
- F026H2DA012
- F026H2DA018
- F026H2DA030
- F026H2DA033

1-10V
- F026H2DB001
- F026H2DB006
- F026H2DB012
- F026H2DB018
- F026H2DB030
- F026H2DB033

Dali
- F026H2DD001
- F026H2DD006
- F026H2DD012
- F026H2DD018
- F026H2DD030
- F026H2DD033

**3000K**
Non Dimmable
- F026H3DA001
- F026H3DA006
- F026H3DA012
- F026H3DA018
- F026H3DA030
- F026H3DA033

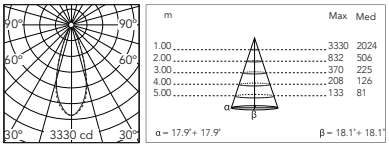
1-10V
- F026H3DB001
- F026H3DB006
- F026H3DB012
- F026H3DB018
- F026H3DB030
- F026H3DB033

Dali
- F026H3DD001
- F026H3DD006
- F026H3DD012
- F026H3DD018
- F026H3DD030
- F026H3DD033

**4000K**
Non Dimmable
- F026H4DA001
- F026H4DA006
- F026H4DA012
- F026H4DA018
- F026H4DA030
- F026H4DA033

1-10V
- F026H4DB001
- F026H4DB006
- F026H4DB012
- F026H4DB018
- F026H4DB030
- F026H4DB033

Dali
- F026H4DD001
- F026H4DD006
- F026H4DD012
- F026H4DD018
- F026H4DD030
- F026H4DD033




@ 3000K

### Optic Wide Flood 52º

**Power Led:** 17W - 1739 lm ≠ FIXT 1303 lm - 2700K/CRI 80 - 220-240V / 17W - 1803 lm ≠ FIXT 1357 lm - 3000K/CRI 80 - 220-240V / 17W - 1868 lm ≠ FIXT 1411 lm - 4000K/CRI 80 - 220-240V

**2700K**
Non Dimmable
- F026H2EA001
- F026H2EA006
- F026H2EA012
- F026H2EA018
- F026H2EA030
- F026H2EA033

1-10V
- F026H2EB001
- F026H2EB006
- F026H2EB012
- F026H2EB018
- F026H2EB030
- F026H2EB033

Dali
- F026H2ED001
- F026H2ED006
- F026H2ED012
- F026H2ED018
- F026H2ED030
- F026H2ED033

**3000K**
Non Dimmable
- F026H3EA001
- F026H3EA006
- F026H3EA012
- F026H3EA018
- F026H3EA030
- F026H3EA033

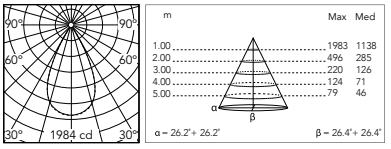
1-10V
- F026H3EB001
- F026H3EB006
- F026H3EB012
- F026H3EB018
- F026H3EB030
- F026H3EB033

Dali
- F026H3ED001
- F026H3ED006
- F026H3ED012
- F026H3ED018
- F026H3ED030
- F026H3ED033

**4000K**
Non Dimmable
- F026H4EA001
- F026H4EA006
- F026H4EA012
- F026H4EA018
- F026H4EA030
- F026H4EA033

1-10V
- F026H4EB001
- F026H4EB006
- F026H4EB012
- F026H4EB018
- F026H4EB030
- F026H4EB033

Dali
- F026H4ED001
- F026H4ED006
- F026H4ED012
- F026H4ED018
- F026H4ED030
- F026H4ED033




@ 3000K

### Optic Elliptical 1 14º x 50º

**Power Led:** 17W - 1739 lm ≠ FIXT 1315 lm - 2700K/CRI 80 - 220-240V / 17W - 1803 lm ≠ FIXT 1364 lm - 3000K/CRI 80 - 220-240V / 17W - 1868 lm ≠ FIXT 1410 lm - 4000K/CRI 80 - 220-240V

**2700K**
Non Dimmable
- F026H2FA001
- F026H2FA006
- F026H2FA012
- F026H2FA018
- F026H2FA030
- F026H2FA033

1-10V
- F026H2FB001
- F026H2FB006
- F026H2FB012
- F026H2FB018
- F026H2FB030
- F026H2FB033

Dali
- F026H2FD001
- F026H2FD006
- F026H2FD012
- F026H2FD018
- F026H2FD030
- F026H2FD033

**3000K**
Non Dimmable
- F026H3FA001
- F026H3FA006
- F026H3FA012
- F026H3FA018
- F026H3FA030
- F026H3FA033

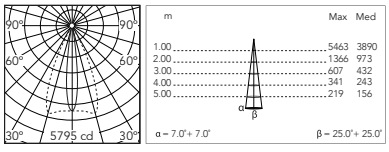
1-10V
- F026H3FB001
- F026H3FB006
- F026H3FB012
- F026H3FB018
- F026H3FB030
- F026H3FB033

Dali
- F026H3FD001
- F026H3FD006
- F026H3FD012
- F026H3FD018
- F026H3FD030
- F026H3FD033

**4000K**
Non Dimmable
- F026H4FA001
- F026H4FA006
- F026H4FA012
- F026H4FA018
- F026H4FA030
- F026H4FA033

1-10V
- F026H4FB001
- F026H4FB006
- F026H4FB012
- F026H4FB018
- F026H4FB030
- F026H4FB033

Dali
- F026H4FD001
- F026H4FD006
- F026H4FD012
- F026H4FD018
- F026H4FD030
- F026H4FD033




@ 3000K

### Optic Elliptical 2 25º x 52º

**Power Led:** 17W - 1739 lm ≠ FIXT 1298 lm - 2700K/CRI 80 - 220-240V / 17W - 1803 lm ≠ FIXT 1351 lm - 3000K/CRI 80 - 220-240V / 17W - 1868 lm ≠ FIXT 1393 lm - 4000K/CRI 80 - 220-240V

**2700K**

Non Dimmable
- ○ F026H2GA001
- ● F026H2GA006
- ● F026H2GA012
- ● F026H2GA018
- ● F026H2GA030
- ● F026H2GA033

1-10V
- ○ F026H2GB001
- ● F026H2GB006
- ● F026H2GB012
- ● F026H2GB018
- ● F026H2GB030
- ● F026H2GB033

Dali
- ○ F026H2GD001
- ● F026H2GD006
- ● F026H2GD012
- ● F026H2GD018
- ● F026H2GD030
- ● F026H2GD033

**3000K**

Non Dimmable
- ○ F026H3GA001
- ● F026H3GA006
- ● F026H3GA012
- ● F026H3GA018
- ● F026H3GA030
- ● F026H3GA033

1-10V
- ○ F026H3GB001
- ● F026H3GB006
- ● F026H3GB012
- ● F026H3GB018
- ● F026H3GB030
- ● F026H3GB033

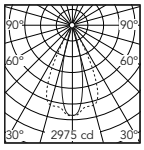
Dali
- ○ F026H3GD001
- ● F026H3GD006
- ● F026H3GD012
- ● F026H3GD018
- ● F026H3GD030
- ● F026H3GD033

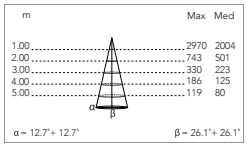
**4000K**

Non Dimmable
- ○ F026H4GA001
- ● F026H4GA006
- ● F026H4GA012
- ● F026H4GA018
- ● F026H4GA030
- ● F026H4GA033

1-10V
- ○ F026H4GB001
- ● F026H4GB006
- ● F026H4GB012
- ● F026H4GB018
- ● F026H4GB030
- ● F026H4GB033

Dali
- ○ F026H4GD001
- ● F026H4GD006
- ● F026H4GD012
- ● F026H4GD018
- ● F026H4GD030
- ● F026H4GD033




@ 3000K

### Optic Wall Washer

**Power Led:** 17W - 1739 lm ≠ FIXT 1277 lm - 2700K/CRI 80 - 220-240V / 17W - 1803 lm ≠ FIXT 1325 lm - 3000K/CRI 80 - 220-240V / 17W - 1868 lm ≠ FIXT 1370 lm - 4000K/CRI 80 - 220-240V

**2700K**

Non Dimmable
- ○ F026H2HA001
- ● F026H2HA006
- ● F026H2HA012
- ● F026H2HA018
- ● F026H2HA030
- ● F026H2HA033

1-10V
- ○ F026H2HB001
- ● F026H2HB006
- ● F026H2HB012
- ● F026H2HB018
- ● F026H2HB030
- ● F026H2HB033

Dali
- ○ F026H2HD001
- ● F026H2HD006
- ● F026H2HD012
- ● F026H2HD018
- ● F026H2HD030
- ● F026H2HD033

**3000K**

Non Dimmable
- ○ F026H3HA001
- ● F026H3HA006
- ● F026H3HA012
- ● F026H3HA018
- ● F026H3HA030
- ● F026H3HA033

1-10V
- ○ F026H3HB001
- ● F026H3HB006
- ● F026H3HB012
- ● F026H3HB018
- ● F026H3HB030
- ● F026H3HB033

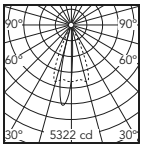
Dali
- ○ F026H3HD001
- ● F026H3HD006
- ● F026H3HD012
- ● F026H3HD018
- ● F026H3HD030
- ● F026H3HD033

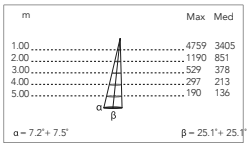
**4000K**

Non Dimmable
- ○ F026H4HA001
- ● F026H4HA006
- ● F026H4HA012
- ● F026H4HA018
- ● F026H4HA030
- ● F026H4HA033

1-10V
- ○ F026H4HB001
- ● F026H4HB006
- ● F026H4HB012
- ● F026H4HB018
- ● F026H4HB030
- ● F026H4HB033

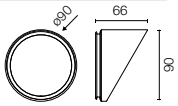
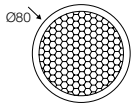
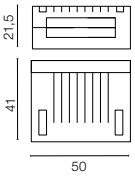
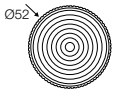
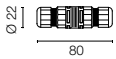
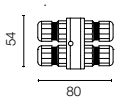
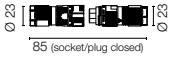
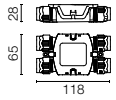
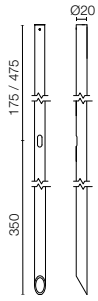
Dali
- ○ F026H4HD001
- ● F026H4HD006
- ● F026H4HD012
- ● F026H4HD018
- ● F026H4HD030
- ● F026H4HD033



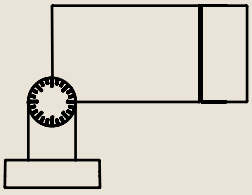




@ 3000K

## Spine F 2 Ultra: Accessories / Accesorios

| | | | | |
|---|---|---|---|---|
| Visor | Visor | ○ F026Z050001<br>● F026Z050006<br>● F026Z050012<br>● F026Z050018<br>● F026Z050030<br>● F026Z050033 | |  |
| Honeycomb | Honeycomb Louvre | F026Z060000 | |  |
| Gelbox IPX8 for splicing connectors. | Caja de gel IPX8 para la conexión eléctrica. | F990C110000 | |  |
| Converter lenses / Lentes de conversión:<br>- Converter Spine 2 Optic Medium Flood<br>- Converter Spine 2 Optic Flood<br>- Converter Spine 2 Optic Wide Flood<br>- Converter Spine 2 Optic Elliptic 1<br>- Converter Spine 2 Optic Elliptic 2<br>- Converter Spine 2 Optic Wall Washer | | <br>F029Z020000<br>F029Z021000<br>F029Z022000<br>F029Z023000<br>F029Z024000<br>F029Z025000 | |  |
| 2 way terminal block 4 poles IP68 H2O Stop. | Bloque de terminales IP68 H2O Stop anticondensación con 2 vías y 4 polos. | F990C00A000 | |  |
| 3/4 way terminal block 4 poles IP68 H2O Stop. (ø5,5÷12mm cable). | Bloque de terminales IP68 H2O Stop anticondensación con 3/4 vías y 4 polos. (Cable ø5,5÷12 mm). | F990C010000 | |  |
| Connector kit 5-pole flying socket + EU plug IP68. | Kit de conectores de 5 polos enchufe volante + enchufe UE IP68. | F990C080000 | |  |
| 4 way junction box 5 poles IP68 (6-14 mm cables). | Caja de derivación de 5 polos y 4 vías IP68 (cables de 6-14 mm). | F990C030000 | |  |
| Pole with an overground length of 200 - 500 mm for ground installation. | Poste longitud 200 – 500 mm por encima del suelo para instalaciones en suelo. | 200 mm<br>○ F026Z020001<br>● F026Z020006<br>● F026Z020012<br>● F026Z020018<br>● F026Z020030<br>● F026Z020033<br>500 mm<br>○ F026Z030001<br>● F026Z030006<br>● F026Z030012<br>● F026Z030018<br>● F026Z030030<br>● F026Z030033 | |  |

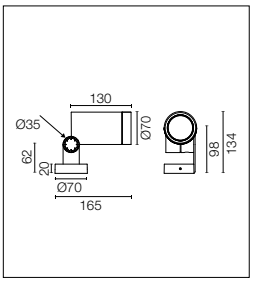
## Spine L

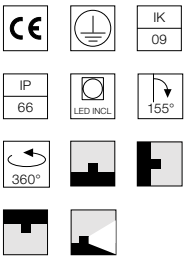


The L bracket option allows for an easier connection thanks to the possibility of a side cable entry as well as minimal size to meet any exigencies.

La opción del soporte en L permite una conexión más fácil gracias a la posibilidad de una entrada de cable lateral, así como un tamaño mínimo para satisfacer cualquier exigencia.

## Spine L 1 Absolute



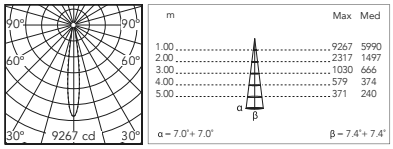

LED COB light source integrated. Integrated electric power supply 220-240V ON/OFF. Minimum L-shaped mounting support integrated. Equipped with a 5m neoprene cable (10m upon request) for remote connection. To guarantee its water tightness, it is recommended to use flexible cables designed for outdoor use.
Upon request: 1-10V or DALI dimmable version with 24Vdc remote power supply.

Fuente LED COB integrada. Fuente de alimentación eléctrica 220-240V ON/OFF integrada. Soporte mínimo de montaje en L integrado. Dotada con sección de cable en neopreno de 5m (10m bajo pedido) para conexión remota; para garantizar la estanqueidad se aconseja emplear cables flexibles para exteriores.
Bajo petición, versión regulable 1-10V o DALI con fuente de alimentación remota 24Vdc.

### Optic Spot 15º

**CoB Led:** 11W - 1247 lm ≠ FIXT 923 lm - 2700K/CRI 80 - 220-240V / 11W - 1325 lm ≠ FIXT 982 lm - 3000K/CRI 80 - 220-240V / 11W - 1364 lm ≠ FIXT 1011 lm - 4000K/CRI 80 - 220-240V

| 2700K | 3000K | 4000K |
|---|---|---|
| Non Dimmable | Non Dimmable | Non Dimmable |
| ○ F025Q2BA001 | ○ F025Q3BA001 | ○ F025Q4BA001 |
| ● F025Q2BA006 | ● F025Q3BA006 | ● F025Q4BA006 |
| ● F025Q2BA012 | ● F025Q3BA012 | ● F025Q4BA012 |
| ● F025Q2BA018 | ● F025Q3BA018 | ● F025Q4BA018 |
| ● F025Q2BA030 | ● F025Q3BA030 | ● F025Q4BA030 |
| ● F025Q2BA033 | ● F025Q3BA033 | ● F025Q4BA033 |

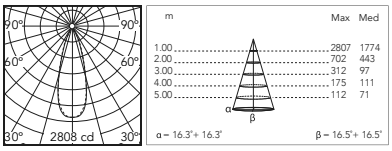



@ 3000K

### Optic Medium Flood 33º

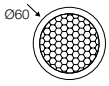
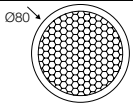
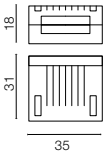
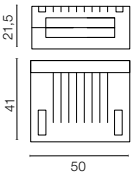
**CoB Led:** 11W - 1247 lm ≠ FIXT 906 lm - 2700K/CRI 80 - 220-240V / 11W - 1325 lm ≠ FIXT 964 lm - 3000K/CRI 80 - 220-240V / 11W - 1364 lm ≠ FIXT 993 lm - 4000K/CRI 80 - 220-240V

| 2700K | 3000K | 4000K |
|---|---|---|
| Non Dimmable | Non Dimmable | Non Dimmable |
| ○ F025Q2CA001 | ○ F025Q3CA001 | ○ F025Q4CA001 |
| ● F025Q2CA006 | ● F025Q3CA006 | ● F025Q4CA006 |
| ● F025Q2CA012 | ● F025Q3CA012 | ● F025Q4CA012 |
| ● F025Q2CA018 | ● F025Q3CA018 | ● F025Q4CA018 |
| ● F025Q2CA030 | ● F025Q3CA030 | ● F025Q4CA030 |
| ● F025Q2CA033 | ● F025Q3CA033 | ● F025Q4CA033 |

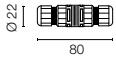
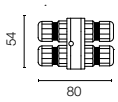


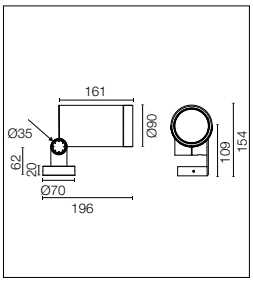

@ 3000K

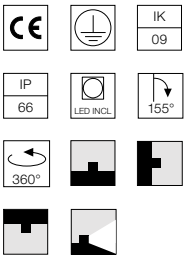
## Spine L 1 / L 2 Absolute: Accessories / Accesorios

| | | | | |
|---|---|---|---|---|
| Honeycomb | Honeycomb Louvre | Spine L 1<br>F025Z060000 | |  |
| Honeycomb | Honeycomb Louvre | Spine L 2<br>F026Z060000 | |  |
| Gelbox IPX8 for splicing connectors. | Caja de gel IPX8 para la conexión eléctrica. | Spine L 1<br>F990C100000 | |  |
| Gelbox IPX8 for splicing connectors. | Caja de gel IPX8 para la conexión eléctrica. | Spine L 2<br>F990C110000 | |  |

## Spine L 1 / L 2 Absolute: Accessories for non-dimmable versions / Accesorios para las versiones no dimables

| | | | | |
|---|---|---|---|---|
| 2 way terminal block 4 poles IP68 H2O Stop. | Bloque de terminales IP68 H2O Stop anticondensación con 2 vías y 4 polos. | F990C00A000 | |  |
| 3/4 way terminal block 4 poles IP68 H2O Stop. (ø5,5÷12mm cable). | Bloque de terminales IP68 H2O Stop anticondensación con 3/4 vías y 4 polos. (Cable ø5,5÷12 mm). | F990C010000 | |  |



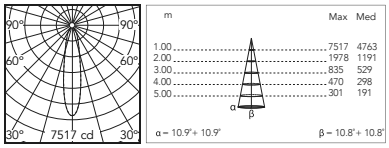

LED COB light source integrated. Integrated electric power supply 220-240V ON/OFF and adjustable 1-10V or DALI. Minimum L-shaped mounting support integrated. Equipped with a 5m neoprene cable (10m upon request) for remote connection. To guarantee its water tightness, it is recommended to use flexible cables designed for outdoor use.

Fuente LED COB integrada. Fuente de alimentación eléctrica 220-240V ON/OFF y regulable 1-10V o DALI integrada. Soporte mínimo de montaje en L integrado. Dotada con sección de cable en neopreno de 5m (10m bajo pedido) para conexión remota; para garantizar la estanqueidad se aconseja emplear cables flexibles para exteriores.

### Optic Spot 22º

**CoB Led:** 19,5W - 2197 lm ≠ FIXT 1939 lm - 2700K/CRI 80 - 220-240V / 19,5W - 2367 lm ≠ FIXT 2085 lm - 3000K/CRI 80 - 220-240V / 19,5W - 2497 lm ≠ FIXT 2120 lm - 4000K/CRI 80 - 220-240V

| 2700K | 3000K | 4000K |
|---|---|---|
| Non Dimmable | Non Dimmable | Non Dimmable |
| F026Q2BA001.A | F026Q3BA001.A | F026Q4BA001.A |
| F026Q2BA006.A | F026Q3BA006.A | F026Q4BA006.A |
| F026Q2BA012.A | F026Q3BA012.A | F026Q4BA012.A |
| F026Q2BA018.A | F026Q3BA018.A | F026Q4BA018.A |
| F026Q2BA030.A | F026Q3BA030.A | F026Q4BA030.A |
| F026Q2BA033.A | F026Q3BA033.A | F026Q4BA033.A |
| 1-10V | 1-10V | 1-10V |
| F026Q2BB001.A | F026Q3BB001.A | F026Q4BB001.A |
| F026Q2BB006.A | F026Q3BB006.A | F026Q4BB006.A |
| F026Q2BB012.A | F026Q3BB012.A | F026Q4BB012.A |
| F026Q2BB018.A | F026Q3BB018.A | F026Q4BB018.A |
| F026Q2BB030.A | F026Q3BB030.A | F026Q4BB030.A |
| F026Q2BB033.A | F026Q3BB033.A | F026Q4BB033.A |
| Dali | Dali | Dali |
| F026Q2BD001.A | F026Q3BD001.A | F026Q4BD001.A |
| F026Q2BD006.A | F026Q3BD006.A | F026Q4BD006.A |
| F026Q2BD012.A | F026Q3BD012.A | F026Q4BD012.A |
| F026Q2BD018.A | F026Q3BD018.A | F026Q4BD018.A |
| F026Q2BD030.A | F026Q3BD030.A | F026Q4BD030.A |
| F026Q2BD033.A | F026Q3BD033.A | F026Q4BD033.A |

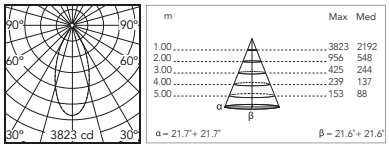



@ 3000K

### Optic Medium Flood 43º

**CoB Led:** 19,5W - 2197 lm ≠ FIXT 2026 lm - 2700K/CRI 80 - 220-240V / 19,5W - 2367 lm ≠ FIXT 2178 lm - 3000K/CRI 80 - 220-240V / 19,5W - 2497 lm ≠ FIXT 2298 lm - 4000K/CRI 80 - 220-240V

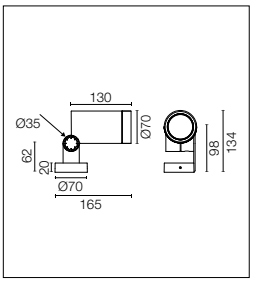
| 2700K | 3000K | 4000K |
|---|---|---|
| Non Dimmable | Non Dimmable | Non Dimmable |
| F026Q2CA001.A | F026Q3CA001.A | F026Q4CA001.A |
| F026Q2CA006.A | F026Q3CA006.A | F026Q4CA006.A |
| F026Q2CA012.A | F026Q3CA012.A | F026Q4CA012.A |
| F026Q2CA018.A | F026Q3CA018.A | F026Q4CA018.A |
| F026Q2CA030.A | F026Q3CA030.A | F026Q4CA030.A |
| F026Q2CA033.A | F026Q3CA033.A | F026Q4CA033.A |
| 1-10V | 1-10V | 1-10V |
| F026Q2CB001.A | F026Q3CB001.A | F026Q4CB001.A |
| F026Q2CB006.A | F026Q3CB006.A | F026Q4CB006.A |
| F026Q2CB012.A | F026Q3CB012.A | F026Q4CB012.A |
| F026Q2CB018.A | F026Q3CB018.A | F026Q4CB018.A |
| F026Q2CB030.A | F026Q3CB030.A | F026Q4CB030.A |
| F026Q2CB033.A | F026Q3CB033.A | F026Q4CB033.A |
| Dali | Dali | Dali |
| F026Q2CD001.A | F026Q3CD001.A | F026Q4CD001.A |
| F026Q2CD006.A | F026Q3CD006.A | F026Q4CD006.A |
| F026Q2CD012.A | F026Q3CD012.A | F026Q4CD012.A |
| F026Q2CD018.A | F026Q3CD018.A | F026Q4CD018.A |
| F026Q2CD030.A | F026Q3CD030.A | F026Q4CD030.A |
| F026Q2CD033.A | F026Q3CD033.A | F026Q4CD033.A |

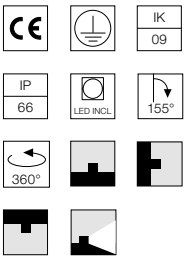



@ 3000K

## Spine L 2 Absolute: Accessories for dimmable versions / Accesorios para versiones dimables

| | | | |
|---|---|---|---|
| Connector kit 5-pole flying socket + EU plug IP68. | Kit de conectores de 5 polos enchufe volante + enchufe UE IP68. | F990C080000 | |
| 4 way junction box 5 poles IP68 (6-14 mm cables). | Caja de derivación de 5 polos y 4 vías IP68 (cables de 6-14 mm). | F990C030000 | |




Power LED source included. Equipped with an integrated snoot for higher visual comfort. Collimators are available as an accessory to modify the beam opening. Integrated electric power supply 220-240V ON/OFF. Minimum L-shaped mounting support integrated. Equipped with a 5m neoprene cable (10m upon request) for remote connection. To guarantee its water tightness, it is recommended to use flexible cables designed for outdoor use.
Upon request: 1-10V or DALI dimmable version with 24Vdc remote power supply.

2200K available on request.

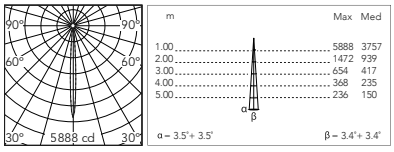
Fuente Power LED incluida. Equipada con snoot integrado para un confort visual mayor. Los colimadores son un accesorio disponible para modificar la apertura del haz lumínico. Fuente de alimentación eléctrica 220-240V ON/OFF integrada. Soporte mínimo de montaje en L integrado. Dotada con sección de cable en neopreno de 5m (10m bajo pedido) para conexión remota; para garantizar la estanqueidad se aconseja emplear cables flexibles para exteriores.
Bajo petición, versión regulable 1-10V o DALI con fuente de alimentación remota 24Vdc.

2200K disponible bajo pedido.

### Optic Narrow Spot 7º

**Power Led:** 3,5W - 168 lm ≠ FIXT 143 lm - 2700K/CRI 80 - 220-240V / 3,5W - 174 lm ≠ FIXT 149 lm - 3000K/CRI 80 - 220-240V / 3,5W - 180 lm ≠ FIXT 154 lm - 4000K/CRI 80 - 220-240V

| 2700K | 3000K | 4000K |
|---|---|---|
| Non Dimmable | Non Dimmable | Non Dimmable |
| ○ F025V2AA001 | ○ F025V3AA001 | ○ F025V4AA001 |
| ● F025V2AA006 | ● F025V3AA006 | ● F025V4AA006 |
| ● F025V2AA012 | ● F025V3AA012 | ● F025V4AA012 |
| ● F025V2AA018 | ● F025V3AA018 | ● F025V4AA018 |
| ● F025V2AA030 | ● F025V3AA030 | ● F025V4AA030 |
| ● F025V2AA033 | ● F025V3AA033 | ● F025V4AA033 |

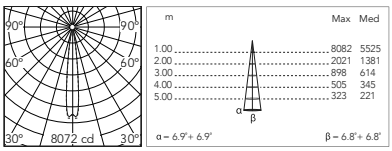



@ 3000K

### Optic Spot 14º

**Power Led:** 7,9W - 671 lm ≠ FIXT 550 lm - 2700K/CRI 80 - 220-240V / 7,9W - 696 lm ≠ FIXT 571 lm - 3000K/CRI 80 - 220-240V / 7,9W - 720 lm ≠ FIXT 591 lm - 4000K/CRI 80 - 220-240V

| 2700K | 3000K | 4000K |
|---|---|---|
| Non Dimmable | Non Dimmable | Non Dimmable |
| ○ F025V2BA001 | ○ F025V3BA001 | ○ F025V4BA001 |
| ● F025V2BA006 | ● F025V3BA006 | ● F025V4BA006 |
| ● F025V2BA012 | ● F025V3BA012 | ● F025V4BA012 |
| ● F025V2BA018 | ● F025V3BA018 | ● F025V4BA018 |
| ● F025V2BA030 | ● F025V3BA030 | ● F025V4BA030 |
| ● F025V2BA033 | ● F025V3BA033 | ● F025V4BA033 |

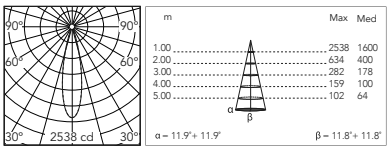



@ 3000K

### Optic Medium Flood 24,5º

**Power Led:** 7,9W - 671 lm ≠ FIXT 499 lm - 2700K/CRI 80 - 220-240V / 7,9W - 696 lm ≠ FIXT 518 lm - 3000K/CRI 80 - 220-240V / 7,9W - 720 lm ≠ FIXT 536 lm - 4000K/CRI 80 - 220-240V

| 2700K | 3000K | 4000K |
|---|---|---|
| Non Dimmable | Non Dimmable | Non Dimmable |
| ○ F025V2CA001 | ○ F025V3CA001 | ○ F025V4CA001 |
| ● F025V2CA006 | ● F025V3CA006 | ● F025V4CA006 |
| ● F025V2CA012 | ● F025V3CA012 | ● F025V4CA012 |
| ● F025V2CA018 | ● F025V3CA018 | ● F025V4CA018 |
| ● F025V2CA030 | ● F025V3CA030 | ● F025V4CA030 |
| ● F025V2CA033 | ● F025V3CA033 | ● F025V4CA033 |

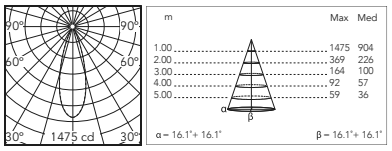



@ 3000K

### Optic Flood 32º

**Power Led:** 7,9W - 671 lm ≠ FIXT 482 lm - 2700K/CRI 80 - 220-240V / 7,9W - 696 lm ≠ FIXT 500 lm - 3000K/CRI 80 - 220-240V / 7,9W - 720 lm ≠ FIXT 518 lm - 4000K/CRI 80 - 220-240V

| 2700K | 3000K | 4000K |
|---|---|---|
| Non Dimmable | Non Dimmable | Non Dimmable |
| ○ F025V2DA001 | ○ F025V3DA001 | ○ F025V4DA001 |
| ● F025V2DA006 | ● F025V3DA006 | ● F025V4DA006 |
| ● F025V2DA012 | ● F025V3DA012 | ● F025V4DA012 |
| ● F025V2DA018 | ● F025V3DA018 | ● F025V4DA018 |
| ● F025V2DA030 | ● F025V3DA030 | ● F025V4DA030 |
| ● F025V2DA033 | ● F025V3DA033 | ● F025V4DA033 |

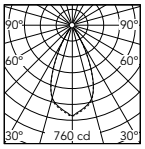


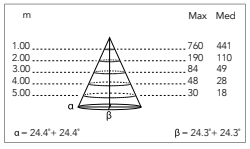

@ 3000K

### Optic Wide Flood 49º

**Power Led:** 7,9W - 671 lm ≠ FIXT 480 lm - 2700K/CRI 80 - 220-240V / 7,9W - 696 lm ≠ FIXT 490 lm - 3000K/CRI 80 - 220-240V / 7,9W - 720 lm ≠ FIXT 505 lm - 4000K/CRI 80 - 220-240V

| 2700K | 3000K | 4000K |
|---|---|---|
| Non Dimmable | Non Dimmable | Non Dimmable |
| F025V2EA001 | F025V3EA001 | F025V4EA001 |
| F025V2EA006 | F025V3EA006 | F025V4EA006 |
| F025V2EA012 | F025V3EA012 | F025V4EA012 |
| F025V2EA018 | F025V3EA018 | F025V4EA018 |
| F025V2EA030 | F025V3EA030 | F025V4EA030 |
| F025V2EA033 | F025V3EA033 | F025V4EA033 |



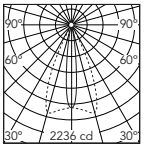



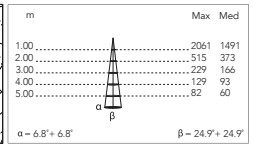

@ 3000K

### Optic Elliptical 1 13,5º x 50º

**Power Led:** 7,9W - 671 lm ≠ FIXT 500 lm - 2700K/CRI 80 - 220-240V / 7,9W - 696 lm ≠ FIXT 519 lm - 3000K/CRI 80 - 220-240V / 7,9W - 720 lm ≠ FIXT 537 lm - 4000K/CRI 80 - 220-240V

| 2700K | 3000K | 4000K |
|---|---|---|
| Non Dimmable | Non Dimmable | Non Dimmable |
| F025V2FA001 | F025V3FA001 | F025V4FA001 |
| F025V2FA006 | F025V3FA006 | F025V4FA006 |
| F025V2FA012 | F025V3FA012 | F025V4FA012 |
| F025V2FA018 | F025V3FA018 | F025V4FA018 |
| F025V2FA030 | F025V3FA030 | F025V4FA030 |
| F025V2FA033 | F025V3FA033 | F025V4FA033 |



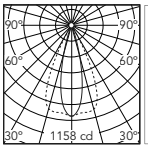



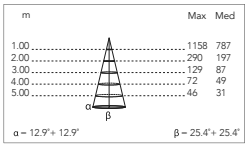

@ 3000K

### Optic Elliptical 2 26º x 51º

**Power Led:** 7,9W - 671 lm ≠ FIXT 487 lm - 2700K/CRI 80 - 220-240V / 7,9W - 696 lm ≠ FIXT 505 lm - 3000K/CRI 80 - 220-240V / 7,9W - 720 lm ≠ FIXT 523 lm - 4000K/CRI 80 - 220-240V

| 2700K | 3000K | 4000K |
|---|---|---|
| Non Dimmable | Non Dimmable | Non Dimmable |
| F025V2GA001 | F025V3GA001 | F025V4GA001 |
| F025V2GA006 | F025V3GA006 | F025V4GA006 |
| F025V2GA012 | F025V3GA012 | F025V4GA012 |
| F025V2GA018 | F025V3GA018 | F025V4GA018 |
| F025V2GA030 | F025V3GA030 | F025V4GA030 |
| F025V2GA033 | F025V3GA033 | F025V4GA033 |



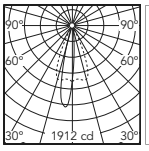



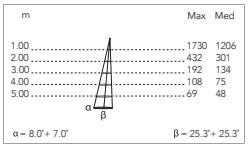

@ 3000K

### Optic Wall Washer

**Power Led:** 7,9W - 671 lm ≠ FIXT 471 lm - 2700K/CRI 80 - 220-240V / 7,9W - 696 lm ≠ FIXT 489 lm - 3000K/CRI 80 - 220-240V / 7,9W - 720 lm ≠ FIXT 506 lm - 4000K/CRI 80 - 220-240V

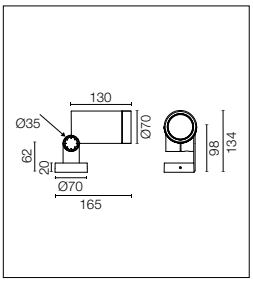
| 2700K | 3000K | 4000K |
|---|---|---|
| Non Dimmable | Non Dimmable | Non Dimmable |
| F025V2HA001 | F025V3HA001 | F025V4HA001 |
| F025V2HA006 | F025V3HA006 | F025V4HA006 |
| F025V2HA012 | F025V3HA012 | F025V4HA012 |
| F025V2HA018 | F025V3HA018 | F025V4HA018 |
| F025V2HA030 | F025V3HA030 | F025V4HA030 |
| F025V2HA033 | F025V3HA033 | F025V4HA033 |

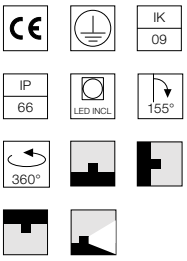



@ 3000K

# Spine L 1 Pro Hp



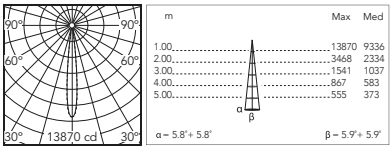

Energy-efficient Power LED source included Equipped with an integrated snoot for higher visual comfort. Collimators are available as an accessory to modify the beam opening. Integrated electric power supply 220-240V ON/OFF. Minimum L-shaped mounting support integrated. Equipped with a 5m neoprene cable (10m upon request) for remote connection. To guarantee its water tightness, it is recommended to use flexible cables designed for outdoor use.
Upon request: 1-10V or DALI dimmable version with 24Vdc remote power supply.

Fuente Power LED de bajo consumo incluida. Equipada con snoot integrado para un confort visual mayor. Los colimadores son un accesorio disponible para modificar la apertura del haz lumínico. Fuente de alimentación eléctrica 220-240V ON/OFF integrada. Soporte mínimo de montaje en L integrado. Dotada con sección de cable en neopreno de 5m (10m bajo pedido) para conexión remota; para garantizar la estanqueidad se aconseja emplear cables flexibles para exteriores.
Bajo petición, versión regulable 1-10V o DALI con fuente de alimentación remota 24Vdc.

### Optic Spot 12º

**Power Led:** 10,5W - 920 lm ≠ FIXT 680 lm - 2700K/CRI 80 - 220-240V / 10,5W - 966 lm ≠ FIXT 706 lm - 3000K/CRI 80 - 220-240V / 10,5W - 1012 lm ≠ FIXT 730 lm - 4000K/CRI 80 - 220-240V

| 2700K | 3000K | 4000K |
|---|---|---|
| Non Dimmable | Non Dimmable | Non Dimmable |
| ○ F025W2BA001 | ○ F025W3BA001 | ○ F025W4BA001 |
| ● F025W2BA006 | ● F025W3BA006 | ● F025W4BA006 |
| ● F025W2BA012 | ● F025W3BA012 | ● F025W4BA012 |
| ● F025W2BA018 | ● F025W3BA018 | ● F025W4BA018 |
| ● F025W2BA030 | ● F025W3BA030 | ● F025W4BA030 |
| ● F025W2BA033 | ● F025W3BA033 | ● F025W4BA033 |

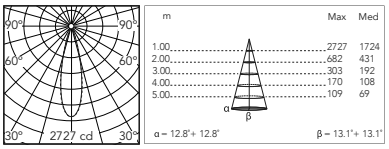



@ 3000K

### Optic Medium Flood 26,5º

**Power Led:** 10,5W - 920 lm ≠ FIXT 594 lm - 2700K/CRI 80 - 220-240V / 10,5W - 966 lm ≠ FIXT 630 lm - 3000K/CRI 80 - 220-240V / 10,5W - 1012 lm ≠ FIXT 654 lm - 4000K/CRI 80 - 220-240V

| 2700K | 3000K | 4000K |
|---|---|---|
| Non Dimmable | Non Dimmable | Non Dimmable |
| ○ F025W2CA001 | ○ F025W3CA001 | ○ F025W4CA001 |
| ● F025W2CA006 | ● F025W3CA006 | ● F025W4CA006 |
| ● F025W2CA012 | ● F025W3CA012 | ● F025W4CA012 |
| ● F025W2CA018 | ● F025W3CA018 | ● F025W4CA018 |
| ● F025W2CA030 | ● F025W3CA030 | ● F025W4CA030 |
| ● F025W2CA033 | ● F025W3CA033 | ● F025W4CA033 |

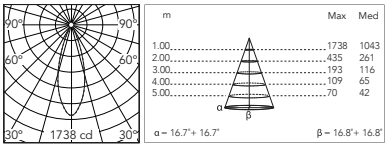



@ 3000K

### Optic Flood 33,5º

**Power Led:** 10,5W - 920 lm ≠ FIXT 592 lm - 2700K/CRI 80 - 220-240V / 10,5W - 966 lm ≠ FIXT 627 lm - 3000K/CRI 80 - 220-240V / 10,5W - 1012 lm ≠ FIXT 651 lm - 4000K/CRI 80 - 220-240V

| 2700K | 3000K | 4000K |
|---|---|---|
| Non Dimmable | Non Dimmable | Non Dimmable |
| ○ F025W2DA001 | ○ F025W3DA001 | ○ F025W4DA001 |
| ● F025W2DA006 | ● F025W3DA006 | ● F025W4DA006 |
| ● F025W2DA012 | ● F025W3DA012 | ● F025W4DA012 |
| ● F025W2DA018 | ● F025W3DA018 | ● F025W4DA018 |
| ● F025W2DA030 | ● F025W3DA030 | ● F025W4DA030 |
| ● F025W2DA033 | ● F025W3DA033 | ● F025W4DA033 |

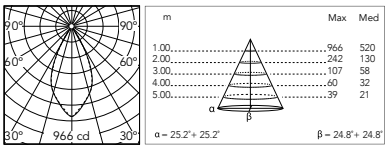



@ 3000K

### Optic Wide Flood 50º

**Power Led:** 10,5W - 920 lm ≠ FIXT 591 lm - 2700K/CRI 80 - 220-240V / 10,5W - 966 lm ≠ FIXT 619 lm - 3000K/CRI 80 - 220-240V / 10,5W - 1012 lm ≠ FIXT 650 lm - 4000K/CRI 80 - 220-240V

| 2700K | 3000K | 4000K |
|---|---|---|
| Non Dimmable | Non Dimmable | Non Dimmable |
| ○ F025W2EA001 | ○ F025W3EA001 | ○ F025W4EA001 |
| ● F025W2EA006 | ● F025W3EA006 | ● F025W4EA006 |
| ● F025W2EA012 | ● F025W3EA012 | ● F025W4EA012 |
| ● F025W2EA018 | ● F025W3EA018 | ● F025W4EA018 |
| ● F025W2EA030 | ● F025W3EA030 | ● F025W4EA030 |
| ● F025W2EA033 | ● F025W3EA033 | ● F025W4EA033 |



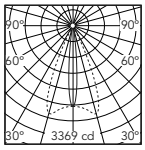

@ 3000K

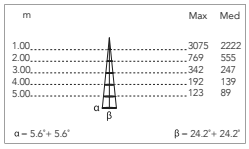
## Spine L 1 Pro Hp

### Optic Elliptical 1 11,5º x 49º

**Power Led:** 10,5W - 920 lm ≠ FIXT 603 lm - 2700K/CRI 80 - 220-240V / 10,5W - 966 lm ≠ FIXT 639 lm - 3000K/CRI 80 - 220-240V / 10,5W - 1012 lm ≠ FIXT 663 lm - 4000K/CRI 80 - 220-240V

| 2700K | 3000K | 4000K |
|---|---|---|
| Non Dimmable | Non Dimmable | Non Dimmable |
| F025W2FA001 | F025W3FA001 | F025W4FA001 |
| F025W2FA006 | F025W3FA006 | F025W4FA006 |
| F025W2FA012 | F025W3FA012 | F025W4FA012 |
| F025W2FA018 | F025W3FA018 | F025W4FA018 |
| F025W2FA030 | F025W3FA030 | F025W4FA030 |
| F025W2FA033 | F025W3FA033 | F025W4FA033 |



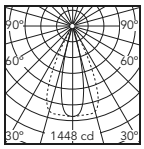



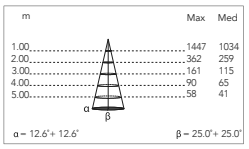

@ 3000K

### Optic Elliptical 2 25,5º x 50º

**Power Led:** 10,5W - 920 lm ≠ FIXT 601 lm - 2700K/CRI 80 - 220-240V / 10,5W - 966 lm ≠ FIXT 624 lm - 3000K/CRI 80 - 220-240V / 10,5W - 1012 lm ≠ FIXT 645 lm - 4000K/CRI 80 - 220-240V

| 2700K | 3000K | 4000K |
|---|---|---|
| Non Dimmable | Non Dimmable | Non Dimmable |
| F025W2GA001 | F025W3GA001 | F025W4GA001 |
| F025W2GA006 | F025W3GA006 | F025W4GA006 |
| F025W2GA012 | F025W3GA012 | F025W4GA012 |
| F025W2GA018 | F025W3GA018 | F025W4GA018 |
| F025W2GA030 | F025W3GA030 | F025W4GA030 |
| F025W2GA033 | F025W3GA033 | F025W4GA033 |



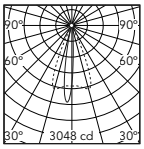



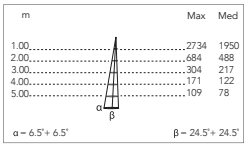

@ 3000K

### Optic Wall Washer

**Power Led:** 10,5W - 920 lm ≠ FIXT 574 lm - 2700K/CRI 80 - 220-240V / 10,5W - 966 lm ≠ FIXT 609 lm - 3000K/CRI 80 - 220-240V / 10,5W - 1012 lm ≠ FIXT 631 lm - 4000K/CRI 80 - 220-240V

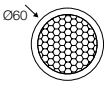
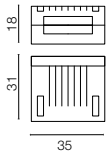
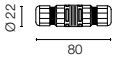
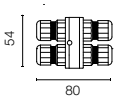
| 2700K | 3000K | 4000K |
|---|---|---|
| Non Dimmable | Non Dimmable | Non Dimmable |
| F025W2HA001 | F025W3HA001 | F025W4HA001 |
| F025W2HA006 | F025W3HA006 | F025W4HA006 |
| F025W2HA012 | F025W3HA012 | F025W4HA012 |
| F025W2HA018 | F025W3HA018 | F025W4HA018 |
| F025W2HA030 | F025W3HA030 | F025W4HA030 |
| F025W2HA033 | F025W3HA033 | F025W4HA033 |



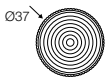

@ 3000K

## Spine L 1 Pro: Accessories / Accesorios

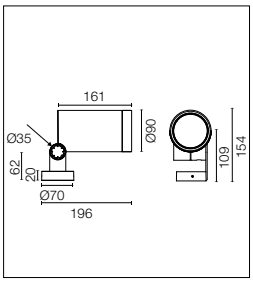
| | | | | |
|---|---|---|---|---|
| Honeycomb | Honeycomb Louvre | F025Z060000 | |   |
| Gelbox IPX8 for splicing connectors. | Caja de gel IPX8 para la conexión eléctrica. | F990C100000 | |   |
| 2 way terminal block 4 poles IP68 H2O Stop. | Bloque de terminales IP68 H2O Stop anticondensación con 2 vías y 4 polos. | F990C00A000 | |   |
| 3/4 way terminal block 4 poles IP68 H2O Stop. (ø5,5÷12mm cable). | Bloque de terminales IP68 H2O Stop anticondensación con 3/4 vías y 4 polos. (Cable ø5,5÷12 mm). | F990C010000 | |   |

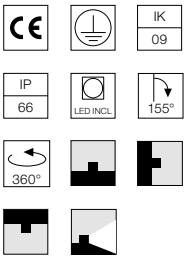
Converter lenses / Llentes de conversión:

| | |
|---|---|
| - Converter Spine 1 Optic Medium Flood | F029Z010000 |
| - Converter Spine 1 Optic Flood | F029Z011000 |
| - Converter Spine 1 Optic Wide Flood | F029Z012000 |
| - Converter Spine 1 Optic Elliptic 1 | F029Z013000 |
| - Converter Spine 1 Optic Elliptic 2 | F029Z014000 |
| - Converter Spine 1 Optic Wall Washer | F029Z015000 |



## Spine L 2 Pro




Power LED source included. Equipped with an integrated snoot for higher visual comfort. Collimators are available as an accessory to modify the beam opening. Integrated electric power supply 220-240V ON/OFF and adjustable 1-10V or DALI. Minimum L-shaped mounting support integrated. Equipped with a 5m neoprene cable (10m upon request) for remote connection. To guarantee its water tightness, it is recommended to use flexible cables designed for outdoor use.

Optic Narrow Spot

2200K available on request.

Fuente Power LED incluida. Equipada con snoot integrado para un confort visual mayor. Los colimadores son un accesorio disponible para modificar la apertura del haz lumínico. Fuente de alimentación eléctrica 220-240V ON/OFF y regulable 1-10V o DALI integrada. Soporte mínimo de montaje en L integrado. Dotada con sección de cable en neopreno de 5m (10m bajo pedido) para conexión remota; para garantizar la estanqueidad se aconseja emplear cables flexibles para exteriores.

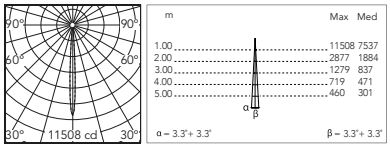
Optic Narrow Spot

2200K disponible bajo pedido.

### Optic Narrow Spot 6º

**Power Led:** 4,1W - 248 lm ≠ FIXT 230 lm - 2700K/CRI 80 - 220-240V / 4,1W - 258 lm ≠ FIXT 239 lm - 3000K/CRI 80 - 220-240V / 4,1W - 267 lm ≠ FIXT 247 lm - 4000K/CRI 80 - 220-240V

| 2700K | 3000K | 4000K |
|---|---|---|
| Non Dimmable | Non Dimmable | Non Dimmable |
| ○ F026V2AA001 | ○ F026V3AA001 | ○ F026V4AA001 |
| ● F026V2AA006 | ● F026V3AA006 | ● F026V4AA006 |
| ● F026V2AA012 | ● F026V3AA012 | ● F026V4AA012 |
| ● F026V2AA018 | ● F026V3AA018 | ● F026V4AA018 |
| ● F026V2AA030 | ● F026V3AA030 | ● F026V4AA030 |
| ● F026V2AA033 | ● F026V3AA033 | ● F026V4AA033 |
| 1-10V | 1-10V | 1-10V |
| ○ F026V2AB001 | ○ F026V3AB001 | ○ F026V4AB001 |
| ● F026V2AB006 | ● F026V3AB006 | ● F026V4AB006 |
| ● F026V2AB012 | ● F026V3AB012 | ● F026V4AB012 |
| ● F026V2AB018 | ● F026V3AB018 | ● F026V4AB018 |
| ● F026V2AB030 | ● F026V3AB030 | ● F026V4AB030 |
| ● F026V2AB033 | ● F026V3AB033 | ● F026V4AB033 |
| Dali | Dali | Dali |
| ○ F026V2AD001 | ○ F026V3AD001 | ○ F026V4AD001 |
| ● F026V2AD006 | ● F026V3AD006 | ● F026V4AD006 |
| ● F026V2AD012 | ● F026V3AD012 | ● F026V4AD012 |
| ● F026V2AD018 | ● F026V3AD018 | ● F026V4AD018 |
| ● F026V2AD030 | ● F026V3AD030 | ● F026V4AD030 |
| ● F026V2AD033 | ● F026V3AD033 | ● F026V4AD033 |

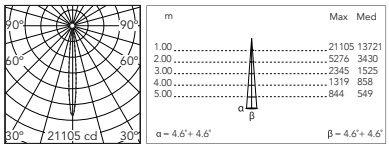



@ 3000K

### Optic Spot 9,5º

**Power Led:** 10,5W - 920 lm ≠ FIXT 769 lm - 2700K/CRI 80 - 220-240Vv / 10,5W - 966 lm ≠ FIXT 808 lm - 3000K/CRI 80 - 220-240V / 10,5W - 1012 lm ≠ FIXT 846 lm - 4000K/CRI 80 - 220-240V

| 2700K | 3000K | 4000K |
|---|---|---|
| Non Dimmable | Non Dimmable | Non Dimmable |
| ○ F026V2BA001 | ○ F026V3BA001 | ○ F026V4BA001 |
| ● F026V2BA006 | ● F026V3BA006 | ● F026V4BA006 |
| ● F026V2BA012 | ● F026V3BA012 | ● F026V4BA012 |
| ● F026V2BA018 | ● F026V3BA018 | ● F026V4BA018 |
| ● F026V2BA030 | ● F026V3BA030 | ● F026V4BA030 |
| ● F026V2BA033 | ● F026V3BA033 | ● F026V4BA033 |
| 1-10V | 1-10V | 1-10V |
| ○ F026V2BB001 | ○ F026V3BB001 | ○ F026V4BB001 |
| ● F026V2BB006 | ● F026V3BB006 | ● F026V4BB006 |
| ● F026V2BB012 | ● F026V3BB012 | ● F026V4BB012 |
| ● F026V2BB018 | ● F026V3BB018 | ● F026V4BB018 |
| ● F026V2BB030 | ● F026V3BB030 | ● F026V4BB030 |
| ● F026V2BB033 | ● F026V3BB033 | ● F026V4BB033 |
| Dali | Dali | Dali |
| ○ F026V2BD001 | ○ F026V3BD001 | ○ F026V4BD001 |
| ● F026V2BD006 | ● F026V3BD006 | ● F026V4BD006 |
| ● F026V2BD012 | ● F026V3BD012 | ● F026V4BD012 |
| ● F026V2BD018 | ● F026V3BD018 | ● F026V4BD018 |
| ● F026V2BD030 | ● F026V3BD030 | ● F026V4BD030 |
| ● F026V2BD033 | ● F026V3BD033 | ● F026V4BD033 |




@ 3000K

### Optic Medium Flood 28º

**Power Led:** 10,5W - 920 lm ≠ FIXT 715 lm - 2700K/CRI 80 - 220-240V / 10,5W - 966 lm ≠ FIXT 742 lm - 3000K/CRI 80 - 220-240V / 10,5W - 1012 lm ≠ FIXT 767 lm - 4000K/CRI 80 - 220-240V

**2700K**
Non Dimmable
- F026V2CA001
- F026V2CA006
- F026V2CA012
- F026V2CA018
- F026V2CA030
- F026V2CA033

1-10V
- F026V2CB001
- F026V2CB006
- F026V2CB012
- F026V2CB018
- F026V2CB030
- F026V2CB033

Dali
- F026V2CD001
- F026V2CD006
- F026V2CD012
- F026V2CD018
- F026V2CD030
- F026V2CD033

**3000K**
Non Dimmable
- F026V3CA001
- F026V3CA006
- F026V3CA012
- F026V3CA018
- F026V3CA030
- F026V3CA033

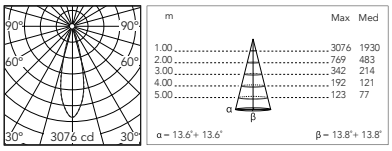
1-10V
- F026V3CB001
- F026V3CB006
- F026V3CB012
- F026V3CB018
- F026V3CB030
- F026V3CB033

Dali
- F026V3CD001
- F026V3CD006
- F026V3CD012
- F026V3CD018
- F026V3CD030
- F026V3CD033

**4000K**
Non Dimmable
- F026V4CA001
- F026V4CA006
- F026V4CA012
- F026V4CA018
- F026V4CA030
- F026V4CA033

1-10V
- F026V4CB001
- F026V4CB006
- F026V4CB012
- F026V4CB018
- F026V4CB030
- F026V4CB033

Dali
- F026V4CD001
- F026V4CD006
- F026V4CD012
- F026V4CD018
- F026V4CD030
- F026V4CD033




@ 3000K

### Optic Flood 33º

**Power Led:** 10,5W - 920 lm ≠ FIXT 695 lm - 2700K/CRI 80 - 220-240V / 10,5W - 966 lm ≠ FIXT 721 lm - 3000K/CRI 80 - 220-240V / 10,5W - 1012 lm ≠ FIXT 746 lm - 4000K/CRI 80 - 220-240V

**2700K**
Non Dimmable
- F026V2DA001
- F026V2DA006
- F026V2DA012
- F026V2DA018
- F026V2DA030
- F026V2DA033

1-10V
- F026V2DB001
- F026V2DB006
- F026V2DB012
- F026V2DB018
- F026V2DB030
- F026V2DB033

Dali
- F026V2DD001
- F026V2DD006
- F026V2DD012
- F026V2DD018
- F026V2DD030
- F026V2DD033

**3000K**
Non Dimmable
- F026V3DA001
- F026V3DA006
- F026V3DA012
- F026V3DA018
- F026V3DA030
- F026V3DA033

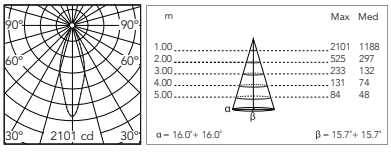
1-10V
- F026V3DB001
- F026V3DB006
- F026V3DB012
- F026V3DB018
- F026V3DB030
- F026V3DB033

Dali
- F026V3DD001
- F026V3DD006
- F026V3DD012
- F026V3DD018
- F026V3DD030
- F026V3DD033

**4000K**
Non Dimmable
- F026V4DA001
- F026V4DA006
- F026V4DA012
- F026V4DA018
- F026V4DA030
- F026V4DA033

1-10V
- F026V4DB001
- F026V4DB006
- F026V4DB012
- F026V4DB018
- F026V4DB030
- F026V4DB033

Dali
- F026V4DD001
- F026V4DD006
- F026V4DD012
- F026V4DD018
- F026V4DD030
- F026V4DD033




@ 3000K

### Optic Wide Flood 51º

**Power Led:** 10,5W - 920 lm ≠ FIXT 711 lm - 2700K/CRI 80 - 220-240V / 10,5W - 966 lm ≠ FIXT 741 lm - 3000K/CRI 80 - 220-240V / 10,5W - 1012 lm ≠ FIXT 778 lm - 4000K/CRI 80 - 220-240V

**2700K**
Non Dimmable
- F026V2EA001
- F026V2EA006
- F026V2EA012
- F026V2EA018
- F026V2EA030
- F026V2EA033

1-10V
- F026V2EB001
- F026V2EB006
- F026V2EB012
- F026V2EB018
- F026V2EB030
- F026V2EB033

Dali
- F026V2ED001
- F026V2ED006
- F026V2ED012
- F026V2ED018
- F026V2ED030
- F026V2ED033

**3000K**
Non Dimmable
- F026V3EA001
- F026V3EA006
- F026V3EA012
- F026V3EA018
- F026V3EA030
- F026V3EA033

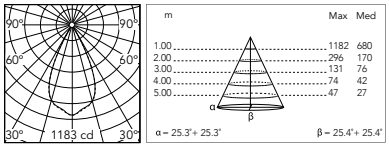
1-10V
- F026V3EB001
- F026V3EB006
- F026V3EB012
- F026V3EB018
- F026V3EB030
- F026V3EB033

Dali
- F026V3ED001
- F026V3ED006
- F026V3ED012
- F026V3ED018
- F026V3ED030
- F026V3ED033

**4000K**
Non Dimmable
- F026V4EA001
- F026V4EA006
- F026V4EA012
- F026V4EA018
- F026V4EA030
- F026V4EA033

1-10V
- F026V4EB001
- F026V4EB006
- F026V4EB012
- F026V4EB018
- F026V4EB030
- F026V4EB033

Dali
- F026V4ED001
- F026V4ED006
- F026V4ED012
- F026V4ED018
- F026V4ED030
- F026V4ED033




@ 3000K

### Optic Elliptical 1 9,5º x 48º

**Power Led:** 10,5W - 920 lm ≠ FIXT 717 lm - 2700K/CRI 80 - 220-240V / 10,5W - 966 lm ≠ FIXT 744 lm - 3000K/CRI 80 - 220-240V / 10,5W - 1012 lm ≠ FIXT 770 lm - 4000K/CRI 80 - 220-240V

**2700K**
Non Dimmable
- F026V2FA001
- F026V2FA006
- F026V2FA012
- F026V2FA018
- F026V2FA030
- F026V2FA033

1-10V
- F026V2FB001
- F026V2FB006
- F026V2FB012
- F026V2FB018
- F026V2FB030
- F026V2FB033

Dali
- F026V2FD001
- F026V2FD006
- F026V2FD012
- F026V2FD018
- F026V2FD030
- F026V2FD033

**3000K**
Non Dimmable
- F026V3FA001
- F026V3FA006
- F026V3FA012
- F026V3FA018
- F026V3FA030
- F026V3FA033

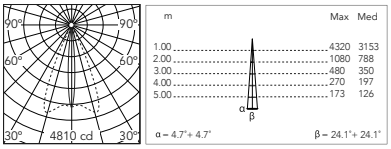
1-10V
- F026V3FB001
- F026V3FB006
- F026V3FB012
- F026V3FB018
- F026V3FB030
- F026V3FB033

Dali
- F026V3FD001
- F026V3FD006
- F026V3FD012
- F026V3FD018
- F026V3FD030
- F026V3FD033

**4000K**
Non Dimmable
- F026V4FA001
- F026V4FA006
- F026V4FA012
- F026V4FA018
- F026V4FA030
- F026V4FA033

1-10V
- F026V4FB001
- F026V4FB006
- F026V4FB012
- F026V4FB018
- F026V4FB030
- F026V4FB033

Dali
- F026V4FD001
- F026V4FD006
- F026V4FD012
- F026V4FD018
- F026V4FD030
- F026V4FD033




@ 3000K

### Optic Elliptical 2 24º x 50º

**Power Led:** 10,5W - 920 lm ≠ FIXT 699 lm - 2700K/CRI 80 - 220-240V / 10,5W - 966 lm ≠ FIXT 725 lm - 3000K/CRI 80 - 220-240V / 10,5W - 1012 lm ≠ FIXT 750 lm - 4000K/CRI 80 - 220-240V

**2700K**
Non Dimmable
- F026V2GA001
- F026V2GA006
- F026V2GA012
- F026V2GA018
- F026V2GA030
- F026V2GA033

1-10V
- F026V2GB001
- F026V2GB006
- F026V2GB012
- F026V2GB018
- F026V2GB030
- F026V2GB033

Dali
- F026V2GD001
- F026V2GD006
- F026V2GD012
- F026V2GD018
- F026V2GD030
- F026V2GD033

**3000K**
Non Dimmable
- F026V3GA001
- F026V3GA006
- F026V3GA012
- F026V3GA018
- F026V3GA030
- F026V3GA033

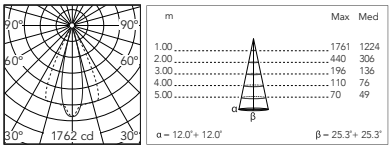
1-10V
- F026V3GB001
- F026V3GB006
- F026V3GB012
- F026V3GB018
- F026V3GB030
- F026V3GB033

Dali
- F026V3GD001
- F026V3GD006
- F026V3GD012
- F026V3GD018
- F026V3GD030
- F026V3GD033

**4000K**
Non Dimmable
- F026V4GA001
- F026V4GA006
- F026V4GA012
- F026V4GA018
- F026V4GA030
- F026V4GA033

1-10V
- F026V4GB001
- F026V4GB006
- F026V4GB012
- F026V4GB018
- F026V4GB030
- F026V4GB033

Dali
- F026V4GD001
- F026V4GD006
- F026V4GD012
- F026V4GD018
- F026V4GD030
- F026V4GD033




@ 3000K

### Optic Wall Washer

**Power Led:** 10,5W - 920 lm ≠ FIXT 673 lm - 2700K/CRI 80 - 220-240V / 10,5W - 966 lm ≠ FIXT 698 lm - 3000K/CRI 80 - 220-240V / 10,5W - 1012 lm ≠ FIXT 672 lm - 4000K/CRI 80 - 220-240V

**2700K**
Non Dimmable
- F026V2HA001
- F026V2HA006
- F026V2HA012
- F026V2HA018
- F026V2HA030
- F026V2HA033

1-10V
- F026V2HB001
- F026V2HB006
- F026V2HB012
- F026V2HB018
- F026V2HB030
- F026V2HB033

Dali
- F026V2HD001
- F026V2HD006
- F026V2HD012
- F026V2HD018
- F026V2HD030
- F026V2HD033

**3000K**
Non Dimmable
- F026V3HA001
- F026V3HA006
- F026V3HA012
- F026V3HA018
- F026V3HA030
- F026V3HA033

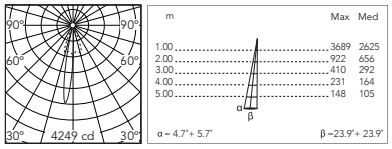
1-10V
- F026V3HB001
- F026V3HB006
- F026V3HB012
- F026V3HB018
- F026V3HB030
- F026V3HB033

Dali
- F026V3HD001
- F026V3HD006
- F026V3HD012
- F026V3HD018
- F026V3HD030
- F026V3HD033

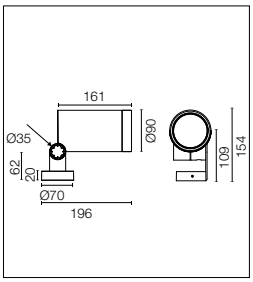
**4000K**
Non Dimmable
- F026V4HA001
- F026V4HA006
- F026V4HA012
- F026V4HA018
- F026V4HA030
- F026V4HA033

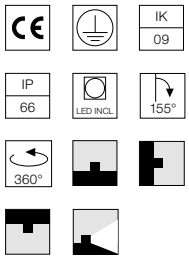
1-10V
- F026V4HB001
- F026V4HB006
- F026V4HB012
- F026V4HB018
- F026V4HB030
- F026V4HB033

Dali
- F026V4HD001
- F026V4HD006
- F026V4HD012
- F026V4HD018
- F026V4HD030
- F026V4HD033




@ 3000K




Energy-efficient Power LED source included Equipped with an integrated snoot for higher visual comfort. Collimators are available as an accessory to modify the beam opening. Integrated electric power supply 220-240V ON/OFF and adjustable 1-10V or DALI. Minimum L-shaped mounting support integrated. Equipped with a 5m neoprene cable (10m upon request) for remote connection. To guarantee its water tightness, it is recommended to use flexible cables designed for outdoor use.

2200K available on request.

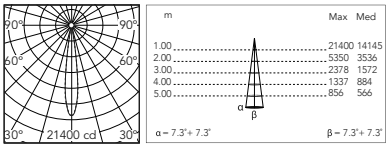
Fuente Power LED de bajo consumo incluida. Equipada con snoot integrado para un confort visual mayor. Los colimadores son un accesorio disponible para modificar la apertura del haz lumínico. Fuente de alimentación eléctrica 220-240V ON/OFF y regulable 1-10V o DALI integrada. Soporte mínimo de montaje en L integrado. Dotada con sección de cable en neopreno de 5m (10m bajo pedido) para conexión remota; para garantizar la estanqueidad se aconseja emplear cables flexibles para exteriores.

2200K disponible bajo pedido.

### Optic Spot 14,5º

**Power Led:** 17W - 1739 lm ≠ FIXT 1443 lm - 2700K/CRI 80 - 220-240V / 17W - 1803 lm ≠ FIXT 1497 lm - 3000K/CRI 80 - 220-240V / 17W - 1868 lm ≠ FIXT 1548 lm - 4000K/CRI 80 - 220-240V

| 2700K | 3000K | 4000K |
|---|---|---|
| Non Dimmable | Non Dimmable | Non Dimmable |
| ○ F026W2BA001 | ○ F026W3BA001 | ○ F026W4BA001 |
| ● F026W2BA006 | ● F026W3BA006 | ● F026W4BA006 |
| ● F026W2BA012 | ● F026W3BA012 | ● F026W4BA012 |
| ● F026W2BA018 | ● F026W3BA018 | ● F026W4BA018 |
| ● F026W2BA030 | ● F026W3BA030 | ● F026W4BA030 |
| ● F026W2BA033 | ● F026W3BA033 | ● F026W4BA033 |
| 1-10V | 1-10V | 1-10V |
| ○ F026W2BB001 | ○ F026W3BB001 | ○ F026W4BB001 |
| ● F026W2BB006 | ● F026W3BB006 | ● F026W4BB006 |
| ● F026W2BB012 | ● F026W3BB012 | ● F026W4BB012 |
| ● F026W2BB018 | ● F026W3BB018 | ● F026W4BB018 |
| ● F026W2BB030 | ● F026W3BB030 | ● F026W4BB030 |
| ● F026W2BB033 | ● F026W3BB033 | ● F026W4BB033 |
| Dali | Dali | Dali |
| ○ F026W2BD001 | ○ F026W3BD001 | ○ F026W4BD001 |
| ● F026W2BD006 | ● F026W3BD006 | ● F026W4BD006 |
| ● F026W2BD012 | ● F026W3BD012 | ● F026W4BD012 |
| ● F026W2BD018 | ● F026W3BD018 | ● F026W4BD018 |
| ● F026W2BD030 | ● F026W3BD030 | ● F026W4BD030 |
| ● F026W2BD033 | ● F026W3BD033 | ● F026W4BD033 |

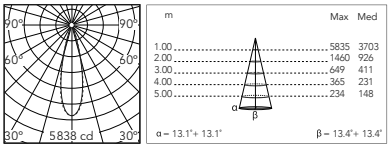



@ 3000K

### Optic Medium Flood 26º

**Power Led:** 17W - 1739 lm ≠ FIXT 1336 lm - 2700K/CRI 80 - 220-240V / 17W - 1803 lm ≠ FIXT 1386 lm - 3000K/CRI 80 - 220-240V / 17W - 1868 lm ≠ FIXT 1434 lm - 4000K/CRI 80 - 220-240V

| 2700K | 3000K | 4000K |
|---|---|---|
| Non Dimmable | Non Dimmable | Non Dimmable |
| ○ F026W2CA001 | ○ F026W3CA001 | ○ F026W4CA001 |
| ● F026W2CA006 | ● F026W3CA006 | ● F026W4CA006 |
| ● F026W2CA012 | ● F026W3CA012 | ● F026W4CA012 |
| ● F026W2CA018 | ● F026W3CA018 | ● F026W4CA018 |
| ● F026W2CA030 | ● F026W3CA030 | ● F026W4CA030 |
| ● F026W2CA033 | ● F026W3CA033 | ● F026W4CA033 |
| 1-10V | 1-10V | 1-10V |
| ○ F026W2CB001 | ○ F026W3CB001 | ○ F026W4CB001 |
| ● F026W2CB006 | ● F026W3CB006 | ● F026W4CB006 |
| ● F026W2CB012 | ● F026W3CB012 | ● F026W4CB012 |
| ● F026W2CB018 | ● F026W3CB018 | ● F026W4CB018 |
| ● F026W2CB030 | ● F026W3CB030 | ● F026W4CB030 |
| ● F026W2CB033 | ● F026W3CB033 | ● F026W4CB033 |
| Dali | Dali | Dali |
| ○ F026W2CD001 | ○ F026W3CD001 | ○ F026W4CD001 |
| ● F026W2CD006 | ● F026W3CD006 | ● F026W4CD006 |
| ● F026W2CD012 | ● F026W3CD012 | ● F026W4CD012 |
| ● F026W2CD018 | ● F026W3CD018 | ● F026W4CD018 |
| ● F026W2CD030 | ● F026W3CD030 | ● F026W4CD030 |
| ● F026W2CD033 | ● F026W3CD033 | ● F026W4CD033 |




@ 3000K

### Optic Flood 36º

**Power Led:** 17W - 1739 lm ≠ FIXT 1302 lm - 2700K/CRI 80 - 220-240V / 17W - 1803 lm ≠ FIXT 1351 lm - 3000K/CRI 80 - 220-240V / 17W - 1868 lm ≠ FIXT 1397 lm - 4000K/CRI 80 - 220-240V

**2700K**
Non Dimmable
- F026W2DA001
- F026W2DA006
- F026W2DA012
- F026W2DA018
- F026W2DA030
- F026W2DA033

1-10V
- F026W2DB001
- F026W2DB006
- F026W2DB012
- F026W2DB018
- F026W2DB030
- F026W2DB033

Dali
- F026W2DD001
- F026W2DD006
- F026W2DD012
- F026W2DD018
- F026W2DD030
- F026W2DD033

**3000K**
Non Dimmable
- F026W3DA001
- F026W3DA006
- F026W3DA012
- F026W3DA018
- F026W3DA030
- F026W3DA033

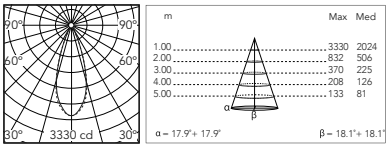
1-10V
- F026W3DB001
- F026W3DB006
- F026W3DB012
- F026W3DB018
- F026W3DB030
- F026W3DB033

Dali
- F026W3DD001
- F026W3DD006
- F026W3DD012
- F026W3DD018
- F026W3DD030
- F026W3DD033

**4000K**
Non Dimmable
- F026W4DA001
- F026W4DA006
- F026W4DA012
- F026W4DA018
- F026W4DA030
- F026W4DA033

1-10V
- F026W4DB001
- F026W4DB006
- F026W4DB012
- F026W4DB018
- F026W4DB030
- F026W4DB033

Dali
- F026W4DD001
- F026W4DD006
- F026W4DD012
- F026W4DD018
- F026W4DD030
- F026W4DD033




@ 3000K

### Optic Wide Flood 52º

**Power Led:** 17W - 1739 lm ≠ FIXT 1303 lm - 2700K/CRI 80 - 220-240V / 17W - 1803 lm ≠ FIXT 1357 lm - 3000K/CRI 80 - 220-240V / 17W - 1868 lm ≠ FIXT 1411 lm - 4000K/CRI 80 - 220-240V

**2700K**
Non Dimmable
- F026W2EA001
- F026W2EA006
- F026W2EA012
- F026W2EA018
- F026W2EA030
- F026W2EA033

1-10V
- F026W2EB001
- F026W2EB006
- F026W2EB012
- F026W2EB018
- F026W2EB030
- F026W2EB033

Dali
- F026W2ED001
- F026W2ED006
- F026W2ED012
- F026W2ED018
- F026W2ED030
- F026W2ED033

**3000K**
Non Dimmable
- F026W3EA001
- F026W3EA006
- F026W3EA012
- F026W3EA018
- F026W3EA030
- F026W3EA033

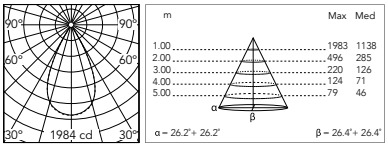
1-10V
- F026W3EB001
- F026W3EB006
- F026W3EB012
- F026W3EB018
- F026W3EB030
- F026W3EB033

Dali
- F026W3ED001
- F026W3ED006
- F026W3ED012
- F026W3ED018
- F026W3ED030
- F026W3ED033

**4000K**
Non Dimmable
- F026W4EA001
- F026W4EA006
- F026W4EA012
- F026W4EA018
- F026W4EA030
- F026W4EA033

1-10V
- F026W4EB001
- F026W4EB006
- F026W4EB012
- F026W4EB018
- F026W4EB030
- F026W4EB033

Dali
- F026W4ED001
- F026W4ED006
- F026W4ED012
- F026W4ED018
- F026W4ED030
- F026W4ED033




@ 3000K

### Optic Elliptical 1 14º x 50º

**Power Led:** 17W - 1739 lm ≠ FIXT 1315 lm - 2700K/CRI 80 - 220-240V / 17W - 1803 lm ≠ FIXT 1364 lm - 3000K/CRI 80 - 220-240V / 17W - 1868 lm ≠ FIXT 1410 lm - 4000K/CRI 80 - 220-240V

**2700K**
Non Dimmable
- F026W2FA001
- F026W2FA006
- F026W2FA012
- F026W2FA018
- F026W2FA030
- F026W2FA033

1-10V
- F026W2FB001
- F026W2FB006
- F026W2FB012
- F026W2FB018
- F026W2FB030
- F026W2FB033

Dali
- F026W2FD001
- F026W2FD006
- F026W2FD012
- F026W2FD018
- F026W2FD030
- F026W2FD033

**3000K**
Non Dimmable
- F026W3FA001
- F026W3FA006
- F026W3FA012
- F026W3FA018
- F026W3FA030
- F026W3FA033

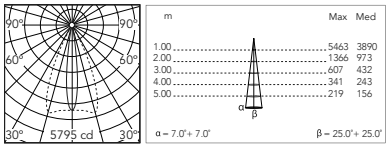
1-10V
- F026W3FB001
- F026W3FB006
- F026W3FB012
- F026W3FB018
- F026W3FB030
- F026W3FB033

Dali
- F026W3FD001
- F026W3FD006
- F026W3FD012
- F026W3FD018
- F026W3FD030
- F026W3FD033

**4000K**
Non Dimmable
- F026W4FA001
- F026W4FA006
- F026W4FA012
- F026W4FA018
- F026W4FA030
- F026W4FA033

1-10V
- F026W4FB001
- F026W4FB006
- F026W4FB012
- F026W4FB018
- F026W4FB030
- F026W4FB033

Dali
- F026W4FD001
- F026W4FD006
- F026W4FD012
- F026W4FD018
- F026W4FD030
- F026W4FD033




@ 3000K

### Optic Elliptical 2 25º x 52º

**Power Led:** 17W - 1739 lm ≠ FIXT 1298 lm - 2700K/CRI 80 - 220-240V / 17W - 1803 lm ≠ FIXT 1351 lm - 3000K/CRI 80 - 220-240V / 17W - 1868 lm ≠ FIXT 1393 lm - 4000K/CRI 80 - 220-240V

**2700K**

Non Dimmable
- F026W2GA001
- F026W2GA006
- F026W2GA012
- F026W2GA018
- F026W2GA030
- F026W2GA033

1-10V
- F026W2GB001
- F026W2GB006
- F026W2GB012
- F026W2GB018
- F026W2GB030
- F026W2GB033

Dali
- F026W2GD001
- F026W2GD006
- F026W2GD012
- F026W2GD018
- F026W2GD030
- F026W2GD033

**3000K**

Non Dimmable
- F026W3GA001
- F026W3GA006
- F026W3GA012
- F026W3GA018
- F026W3GA030
- F026W3GA033

1-10V
- F026W3GB001
- F026W3GB006
- F026W3GB012
- F026W3GB018
- F026W3GB030
- F026W3GB033

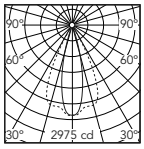
Dali
- F026W3GD001
- F026W3GD006
- F026W3GD012
- F026W3GD018
- F026W3GD030
- F026W3GD033

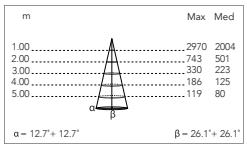
**4000K**

Non Dimmable
- F026W4GA001
- F026W4GA006
- F026W4GA012
- F026W4GA018
- F026W4GA030
- F026W4GA033

1-10V
- F026W4GB001
- F026W4GB006
- F026W4GB012
- F026W4GB018
- F026W4GB030
- F026W4GB033

Dali
- F026W4GD001
- F026W4GD006
- F026W4GD012
- F026W4GD018
- F026W4GD030
- F026W4GD033




@ 3000K

### Optic Wall Washer

**Power Led:** 17W - 1739 lm ≠ FIXT 1277 lm - 2700K/CRI 80 - 220-240V / 17W - 1803 lm ≠ FIXT 1325 lm - 3000K/CRI 80 - 220-240V / 17W - 1868 lm ≠ FIXT 1370 lm - 4000K/CRI 80 - 220-240V

**2700K**

Non Dimmable
- F026W2HA001
- F026W2HA006
- F026W2HA012
- F026W2HA018
- F026W2HA030
- F026W2HA033

1-10V
- F026W2HB001
- F026W2HB006
- F026W2HB012
- F026W2HB018
- F026W2HB030
- F026W2HB033

Dali
- F026W2HD001
- F026W2HD006
- F026W2HD012
- F026W2HD018
- F026W2HD030
- F026W2HD033

**3000K**

Non Dimmable
- F026W3HA001
- F026W3HA006
- F026W3HA012
- F026W3HA018
- F026W3HA030
- F026W3HA033

1-10V
- F026W3HB001
- F026W3HB006
- F026W3HB012
- F026W3HB018
- F026W3HB030
- F026W3HB033

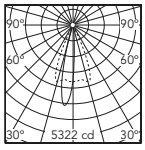
Dali
- F026W3HD001
- F026W3HD006
- F026W3HD012
- F026W3HD018
- F026W3HD030
- F026W3HD033

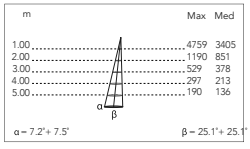
**4000K**

Non Dimmable
- F026W4HA001
- F026W4HA006
- F026W4HA012
- F026W4HA018
- F026W4HA030
- F026W4HA033

1-10V
- F026W4HB001
- F026W4HB006
- F026W4HB012
- F026W4HB018
- F026W4HB030
- F026W4HB033

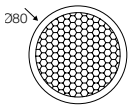
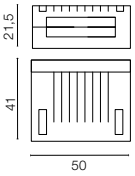
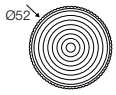
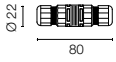
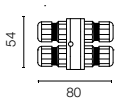
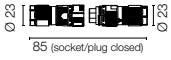
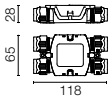
Dali
- F026W4HD001
- F026W4HD006
- F026W4HD012
- F026W4HD018
- F026W4HD030
- F026W4HD033

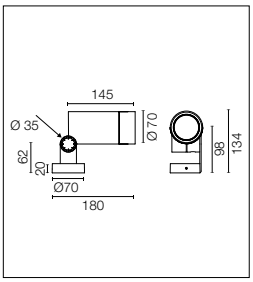


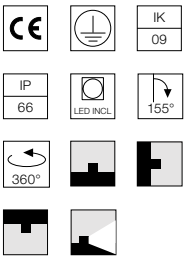




@ 3000K

## Spine L 2 Pro: Accessories / Accesorios

| | | | | |
|---|---|---|---|---|
| Honeycomb | Honeycomb Louvre | F026Z060000 | |   |
| Gelbox IPX8 for splicing connectors. | Caja de gel IPX8 para la conexión eléctrica. | F990C110000 | |   |
| Converter lenses / Lentes de conversión:<br>- Converter Spine 2 Optic Medium Flood<br>- Converter Spine 2 Optic Flood<br>- Converter Spine 2 Optic Wide Flood<br>- Converter Spine 2 Optic Elliptic 1<br>- Converter Spine 2 Optic Elliptic 2<br>- Converter Spine 2 Optic Wall Washer | | <br>F029Z020000<br>F029Z021000<br>F029Z022000<br>F029Z023000<br>F029Z024000<br>F029Z025000 | |   |
| 2 way terminal block 4 poles IP68 H2O Stop. | Bloque de terminales IP68 H2O Stop anticondensación con 2 vías y 4 polos. | F990C00A000 | |   |
| 3/4 way terminal block 4 poles IP68 H2O Stop. (ø5,5÷12mm cable). | Bloque de terminales IP68 H2O Stop anticondensación con 3/4 vías y 4 polos. (Cable ø5,5÷12 mm). | F990C010000 | |   |
| Connector kit 5-pole flying socket + EU plug IP68. | Kit de conectores de 5 polos enchufe volante + enchufe UE IP68. | F990C080000 | |   |
| 4 way junction box 5 poles IP68 (6-14 mm cables). | Caja de derivación de 5 polos y 4 vías IP68 (cables de 6-14 mm). | F990C030000 | |   |




Power LED source included. Equipped with an integrated snoot for higher visual comfort: the asymmetrical cut visor is available as an accessory. Collimators are available as an accessory to modify the beam opening. Integrated electric power supply 220-240V ON/OFF. Minimum L-shaped mounting support integrated. Equipped with a 5m neoprene cable (10m upon request) for remote connection. To guarantee its water tightness, it is recommended to use flexible cables designed for outdoor use. Upon request: 1-10V or DALI dimmable version with 24Vdc remote power supply.

2200K available on request.

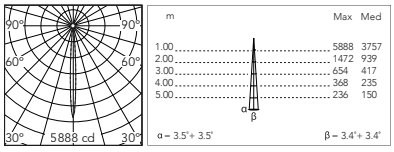
Fuente Power LED incluida. Equipada con snoot integrado para un confort visual mayor: como accesorio, está disponible el visor de corte asimétrico. Los colimadores son un accesorio disponible para modificar la apertura del haz lumínico. Fuente de alimentación eléctrica 220-240V ON/OFF integrada. Soporte mínimo de montaje en L integrado. Dotada con sección de cable en neopreno de 5m (10m bajo pedido) para conexión remota; para garantizar la estanqueidad se aconseja emplear cables flexibles para exteriores. Bajo petición, versión regulable 1-10V o DALI con fuente de alimentación remota 24Vdc.

2200K disponible bajo pedido.

### Optic Narrow Spot 7º

**Power Led:** 3,5W - 168 lm ≠ FIXT 143 lm - 2700K/CRI 80 - 220-240V / 3,5W - 174 lm ≠ FIXT 149 lm - 3000K/CRI 80 - 220-240V / 3,5W - 180 lm ≠ FIXT 154 lm - 4000K/CRI 80 - 220-240V

| 2700K | 3000K | 4000K |
|---|---|---|
| Non Dimmable | Non Dimmable | Non Dimmable |
| ○ F025R2AA001 | ○ F025R3AA001 | ○ F025R4AA001 |
| ● F025R2AA006 | ● F025R3AA006 | ● F025R4AA006 |
| ● F025R2AA012 | ● F025R3AA012 | ● F025R4AA012 |
| ● F025R2AA018 | ● F025R3AA018 | ● F025R4AA018 |
| ● F025R2AA030 | ● F025R3AA030 | ● F025R4AA030 |
| ● F025R2AA033 | ● F025R3AA033 | ● F025R4AA033 |

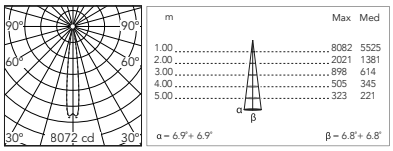



@ 3000K

### Optic Spot 14º

**Power Led:** 7,9W - 671 lm ≠ FIXT 550 lm - 2700K/CRI 80 - 220-240V / 7,9W - 696 lm ≠ FIXT 571 lm - 3000K/CRI 80 - 220-240V / 7,9W - 720 lm ≠ FIXT 591 lm - 4000K/CRI 80 - 220-240V

| 2700K | 3000K | 4000K |
|---|---|---|
| Non Dimmable | Non Dimmable | Non Dimmable |
| ○ F025R2BA001 | ○ F025R3BA001 | ○ F025R4BA001 |
| ● F025R2BA006 | ● F025R3BA006 | ● F025R4BA006 |
| ● F025R2BA012 | ● F025R3BA012 | ● F025R4BA012 |
| ● F025R2BA018 | ● F025R3BA018 | ● F025R4BA018 |
| ● F025R2BA030 | ● F025R3BA030 | ● F025R4BA030 |
| ● F025R2BA033 | ● F025R3BA033 | ● F025R4BA033 |

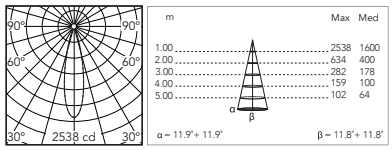



@ 3000K

### Optic Medium Flood 24,5º

**Power Led:** 7,9W - 671 lm ≠ FIXT 499 lm - 2700K/CRI 80 - 220-240V / 7,9W - 696 lm ≠ FIXT 518 lm - 3000K/CRI 80 - 220-240V / 7,9W - 720 lm ≠ FIXT 536 lm - 4000K/CRI 80 - 220-240V

| 2700K | 3000K | 4000K |
|---|---|---|
| Non Dimmable | Non Dimmable | Non Dimmable |
| ○ F025R2CA001 | ○ F025R3CA001 | ○ F025R4CA001 |
| ● F025R2CA006 | ● F025R3CA006 | ● F025R4CA006 |
| ● F025R2CA012 | ● F025R3CA012 | ● F025R4CA012 |
| ● F025R2CA018 | ● F025R3CA018 | ● F025R4CA018 |
| ● F025R2CA030 | ● F025R3CA030 | ● F025R4CA030 |
| ● F025R2CA033 | ● F025R3CA033 | ● F025R4CA033 |

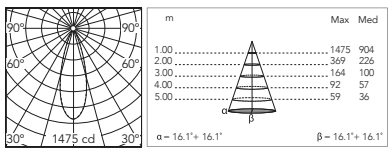



@ 3000K

### Optic Flood 32º

**Power Led:** 7,9W - 671 lm ≠ FIXT 482 lm - 2700K/CRI 80 - 220-240V / 7,9W - 696 lm ≠ FIXT 500 lm - 3000K/CRI 80 - 220-240V / 7,9W - 720 lm ≠ FIXT 518 lm - 4000K/CRI 80 - 220-240V

| 2700K | 3000K | 4000K |
|---|---|---|
| Non Dimmable | Non Dimmable | Non Dimmable |
| ○ F025R2DA001 | ○ F025R3DA001 | ○ F025R4DA001 |
| ● F025R2DA006 | ● F025R3DA006 | ● F025R4DA006 |
| ● F025R2DA012 | ● F025R3DA012 | ● F025R4DA012 |
| ● F025R2DA018 | ● F025R3DA018 | ● F025R4DA018 |
| ● F025R2DA030 | ● F025R3DA030 | ● F025R4DA030 |
| ● F025R2DA033 | ● F025R3DA033 | ● F025R4DA033 |

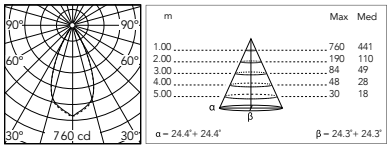



@ 3000K

### Optic Wide Flood 49º

**Power Led:** 7,9W - 671 lm ≠ FIXT 480 lm - 2700K/CRI 80 - 220-240V / 7,9W - 696 lm ≠ FIXT 490 lm - 3000K/CRI 80 - 220-240V / 7,9W - 720 lm ≠ FIXT 505 lm - 4000K/CRI 80 - 220-240V

| 2700K | 3000K | 4000K |
|---|---|---|
| Non Dimmable | Non Dimmable | Non Dimmable |
| F025R2EA001 | F025R3EA001 | F025R4EA001 |
| F025R2EA006 | F025R3EA006 | F025R4EA006 |
| F025R2EA012 | F025R3EA012 | F025R4EA012 |
| F025R2EA018 | F025R3EA018 | F025R4EA018 |
| F025R2EA030 | F025R3EA030 | F025R4EA030 |
| F025R2EA033 | F025R3EA033 | F025R4EA033 |

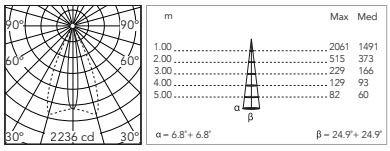



@ 3000K

### Optic Elliptical 1 13,5º x 50º

**Power Led:** 7,9W - 671 lm ≠ FIXT 500 lm - 2700K/CRI 80 - 220-240V / 7,9W - 696 lm ≠ FIXT 519 lm - 3000K/CRI 80 - 220-240V / 7,9W - 720 lm ≠ FIXT 537 lm - 4000K/CRI 80 - 220-240V

| 2700K | 3000K | 4000K |
|---|---|---|
| Non Dimmable | Non Dimmable | Non Dimmable |
| F025R2FA001 | F025R3FA001 | F025R4FA001 |
| F025R2FA006 | F025R3FA006 | F025R4FA006 |
| F025R2FA012 | F025R3FA012 | F025R4FA012 |
| F025R2FA018 | F025R3FA018 | F025R4FA018 |
| F025R2FA030 | F025R3FA030 | F025R4FA030 |
| F025R2FA033 | F025R3FA033 | F025R4FA033 |

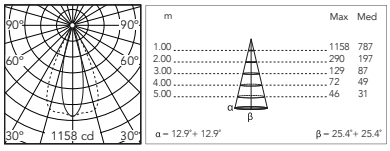



@ 3000K

### Optic Elliptical 2 26º x 51º

**Power Led:** 7,9W - 671 lm ≠ FIXT 487 lm - 2700K/CRI 80 - 220-240V / 7,9W - 696 lm ≠ FIXT 505 lm - 3000K/CRI 80 - 220-240V / 7,9W - 720 lm ≠ FIXT 523 lm - 4000K/CRI 80 - 220-240V

| 2700K | 3000K | 4000K |
|---|---|---|
| Non Dimmable | Non Dimmable | Non Dimmable |
| F025R2GA001 | F025R3GA001 | F025R4GA001 |
| F025R2GA006 | F025R3GA006 | F025R4GA006 |
| F025R2GA012 | F025R3GA012 | F025R4GA012 |
| F025R2GA018 | F025R3GA018 | F025R4GA018 |
| F025R2GA030 | F025R3GA030 | F025R4GA030 |
| F025R2GA033 | F025R3GA033 | F025R4GA033 |

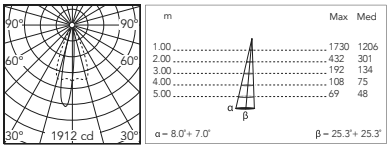



@ 3000K

### Optic Wall Washer

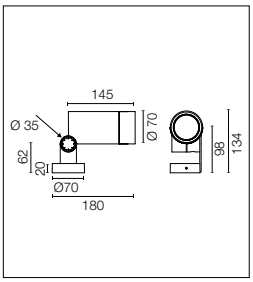
**Power Led:** 7,9W - 671 lm ≠ FIXT 471 lm - 2700K/CRI 80 - 220-240V / 7,9W - 696 lm ≠ FIXT 489 lm - 3000K/CRI 80 - 220-240V / 7,9W - 720 lm ≠ FIXT 506 lm - 4000K/CRI 80 - 220-240V

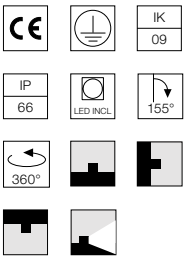
| 2700K | 3000K | 4000K |
|---|---|---|
| Non Dimmable | Non Dimmable | Non Dimmable |
| F025R2HA001 | F025R3HA001 | F025R4HA001 |
| F025R2HA006 | F025R3HA006 | F025R4HA006 |
| F025R2HA012 | F025R3HA012 | F025R4HA012 |
| F025R2HA018 | F025R3HA018 | F025R4HA018 |
| F025R2HA030 | F025R3HA030 | F025R4HA030 |
| F025R2HA033 | F025R3HA033 | F025R4HA033 |




@ 3000K

## Spine L 1 Ultra Hp




Energy-efficient Power LED source included Equipped with an integrated snoot for higher visual comfort: the asymmetrical cut visor is available as an accessory. Collimators are available as an accessory to modify the beam opening. Integrated electric power supply 220-240V ON/OFF. Minimum L-shaped mounting support integrated. Equipped with a 5m neoprene cable (10m upon request) for remote connection. To guarantee its water tightness, it is recommended to use flexible cables designed for outdoor use.
Upon request: 1-10V or DALI dimmable version with 24Vdc remote power supply.

Fuente Power LED de bajo consumo incluida. Equipada con snoot integrado para un confort visual mayor: : como accesorio, está disponible el visor de corte asimétrico. Los colimadores son un accesorio disponible para modificar la apertura del haz lumínico. Fuente de alimentación eléctrica 220-240V ON/OFF integrada. Soporte mínimo de montaje en L integrado. Dotada con sección de cable en neopreno de 5m (10m bajo pedido) para conexión remota; para garantizar la estanqueidad se aconseja emplear cables flexibles para exteriores.
Bajo petición, versión regulable 1-10V o DALI con fuente de alimentación remota 24Vdc.

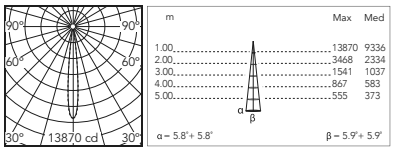
### Optic Spot 12º

**Power Led:** 10,5W - 920 lm ≠ FIXT 680 lm - 2700K/CRI 80 - 220-240V / 10,5W - 966 lm ≠ FIXT 706 lm - 3000K/CRI 80 - 220-240V / 10,5W - 1012 lm ≠ FIXT 730 lm - 4000K/CRI 80 - 220-240V

**2700K**
Non Dimmable
- ○ F025S2BA001
- ● F025S2BA006
- ● F025S2BA012
- ● F025S2BA018
- ● F025S2BA030
- ● F025S2BA033

**3000K**
Non Dimmable
- ○ F025S3BA001
- ● F025S3BA006
- ● F025S3BA012
- ● F025S3BA018
- ● F025S3BA030
- ● F025S3BA033

**4000K**
Non Dimmable
- ○ F025S4BA001
- ● F025S4BA006
- ● F025S4BA012
- ● F025S4BA018
- ● F025S4BA030
- ● F025S4BA033




@ 3000K

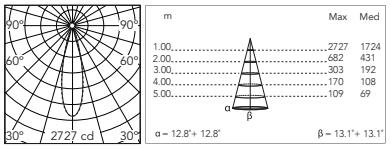
### Optic Medium Flood 26,5º

**Power Led:** 10,5W - 920 lm ≠ FIXT 594 lm - 2700K/CRI 80 - 220-240V / 10,5W - 966 lm ≠ FIXT 630 lm - 3000K/CRI 80 - 220-240V / 10,5W - 1012 lm ≠ FIXT 654 lm - 4000K/CRI 80 - 220-240V

**2700K**
Non Dimmable
- ○ F025S2CA001
- ● F025S2CA006
- ● F025S2CA012
- ● F025S2CA018
- ● F025S2CA030
- ● F025S2CA033

**3000K**
Non Dimmable
- ○ F025S3CA001
- ● F025S3CA006
- ● F025S3CA012
- ● F025S3CA018
- ● F025S3CA030
- ● F025S3CA033

**4000K**
Non Dimmable
- ○ F025S4CA001
- ● F025S4CA006
- ● F025S4CA012
- ● F025S4CA018
- ● F025S4CA030
- ● F025S4CA033




@ 3000K

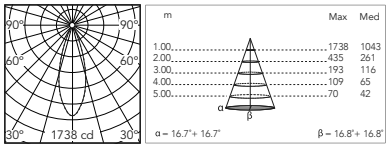
### Optic Flood 33,5º

**Power Led:** 10,5W - 920 lm ≠ FIXT 592 lm - 2700K/CRI 80 - 220-240V / 10,5W - 966 lm ≠ FIXT 627 lm - 3000K/CRI 80 - 220-240V / 10,5W - 1012 lm ≠ FIXT 651 lm - 4000K/CRI 80 - 220-240V

**2700K**
Non Dimmable
- ○ F025S2DA001
- ● F025S2DA006
- ● F025S2DA012
- ● F025S2DA018
- ● F025S2DA030
- ● F025S2DA033

**3000K**
Non Dimmable
- ○ F025S3DA001
- ● F025S3DA006
- ● F025S3DA012
- ● F025S3DA018
- ● F025S3DA030
- ● F025S3DA033

**4000K**
Non Dimmable
- ○ F025S4DA001
- ● F025S4DA006
- ● F025S4DA012
- ● F025S4DA018
- ● F025S4DA030
- ● F025S4DA033




@ 3000K

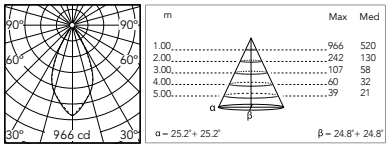
### Optic Wide Flood 50º

**Power Led:** 10,5W - 920 lm ≠ FIXT 591 lm - 2700K/CRI 80 - 220-240V / 10,5W - 966 lm ≠ FIXT 619 lm - 3000K/CRI 80 - 220-240V / 10,5W - 1012 lm ≠ FIXT 650 lm - 4000K/CRI 80 - 220-240V

**2700K**
Non Dimmable
- ○ F025S2EA001
- ● F025S2EA006
- ● F025S2EA012
- ● F025S2EA018
- ● F025S2EA030
- ● F025S2EA033

**3000K**
Non Dimmable
- ○ F025S3EA001
- ● F025S3EA006
- ● F025S3EA012
- ● F025S3EA018
- ● F025S3EA030
- ● F025S3EA033

**4000K**
Non Dimmable
- ○ F025S4EA001
- ● F025S4EA006
- ● F025S4EA012
- ● F025S4EA018
- ● F025S4EA030
- ● F025S4EA033



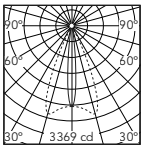

@ 3000K

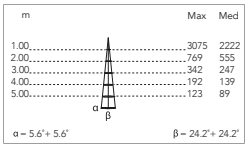
## Spine L 1 Ultra Hp

### Optic Elliptical 1 11,5º x 49º

**Power Led:** 10,5W - 920 lm ≠ FIXT 603 lm - 2700K/CRI 80 - 220-240V / 10,5W - 966 lm ≠ FIXT 639 lm - 3000K/CRI 80 - 220-240V / 10,5W - 1012 lm ≠ FIXT 663 lm - 4000K/CRI 80 - 220-240V

| 2700K<br>Non Dimmable | 3000K<br>Non Dimmable | 4000K<br>Non Dimmable |
|---|---|---|
| ○ F025S2FA001 | ○ F025S3FA001 | ○ F025S4FA001 |
| ● F025S2FA006 | ● F025S3FA006 | ● F025S4FA006 |
| ● F025S2FA012 | ● F025S3FA012 | ● F025S4FA012 |
| ● F025S2FA018 | ● F025S3FA018 | ● F025S4FA018 |
| ● F025S2FA030 | ● F025S3FA030 | ● F025S4FA030 |
| ● F025S2FA033 | ● F025S3FA033 | ● F025S4FA033 |



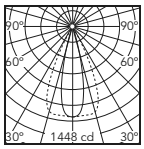



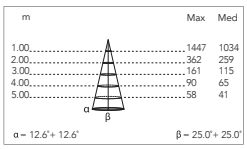

@ 3000K

### Optic Elliptical 2 25,5º x 50º

**Power Led:** 10,5W - 920 lm ≠ FIXT 601 lm - 2700K/CRI 80 - 220-240V / 10,5W - 966 lm ≠ FIXT 624 lm - 3000K/CRI 80 - 220-240V / 10,5W - 1012 lm ≠ FIXT 645 lm - 4000K/CRI 80 - 220-240V

| 2700K<br>Non Dimmable | 3000K<br>Non Dimmable | 4000K<br>Non Dimmable |
|---|---|---|
| ○ F025S2GA001 | ○ F025S3GA001 | ○ F025S4GA001 |
| ● F025S2GA006 | ● F025S3GA006 | ● F025S4GA006 |
| ● F025S2GA012 | ● F025S3GA012 | ● F025S4GA012 |
| ● F025S2GA018 | ● F025S3GA018 | ● F025S4GA018 |
| ● F025S2GA030 | ● F025S3GA030 | ● F025S4GA030 |
| ● F025S2GA033 | ● F025S3GA033 | ● F025S4GA033 |



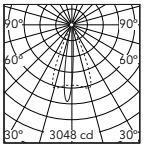



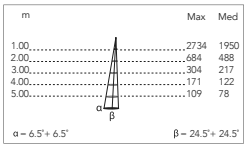

@ 3000K

### Optic Wall Washer

**Power Led:** 10,5W - 920 lm ≠ FIXT 574 lm - 2700K/CRI 80 - 220-240V / 10,5W - 966 lm ≠ FIXT 609 lm - 3000K/CRI 80 - 220-240V / 10,5W - 1012 lm ≠ FIXT 631 lm - 4000K/CRI 80 - 220-240V

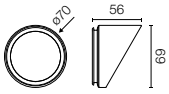
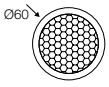
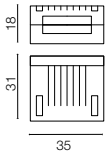
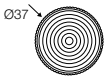
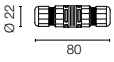
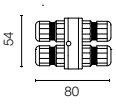
| 2700K<br>Non Dimmable | 3000K<br>Non Dimmable | 4000K<br>Non Dimmable |
|---|---|---|
| ○ F025S2HA001 | ○ F025S3HA001 | ○ F025S4HA001 |
| ● F025S2HA006 | ● F025S3HA006 | ● F025S4HA006 |
| ● F025S2HA012 | ● F025S3HA012 | ● F025S4HA012 |
| ● F025S2HA018 | ● F025S3HA018 | ● F025S4HA018 |
| ● F025S2HA030 | ● F025S3HA030 | ● F025S4HA030 |
| ● F025S2HA033 | ● F025S3HA033 | ● F025S4HA033 |

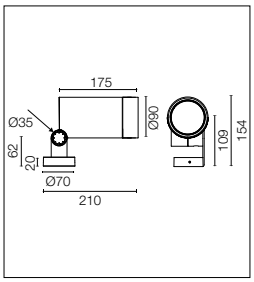


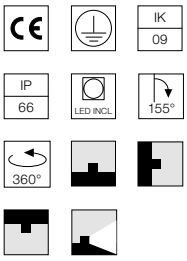




@ 3000K

## Spine L 1 Ultra: Accessories / Accesorios

| | | | | |
|---|---|---|---|---|
| Visor | Visor | ○ F025Z050001<br>● F025Z050006<br>● F025Z050012<br>● F025Z050018<br>● F025Z050030<br>● F025Z050033 | |  |
| Honeycomb | Honeycomb Louvre | F025Z060000 | |  |
| Gelbox IPX8 for splicing connectors. | Caja de gel IPX8 para la conexión eléctrica. | F990C100000 | |  |
| Converter lenses / Llentes de conversión:<br>- Converter Spine 1 Optic Medium Flood<br>- Converter Spine 1 Optic Flood<br>- Converter Spine 1 Optic Wide Flood<br>- Converter Spine 1 Optic Elliptic 1<br>- Converter Spine 1 Optic Elliptic 2<br>- Converter Spine 1 Optic Wall Washer | | <br>F029Z010000<br>F029Z011000<br>F029Z012000<br>F029Z013000<br>F029Z014000<br>F029Z015000 | |  |
| 2 way terminal block 4 poles IP68 H2O Stop. | Bloque de terminales IP68 H2O Stop anticondensación con 2 vías y 4 polos. | F990C00A000 | |  |
| 3/4 way terminal block 4 poles IP68 H2O Stop. (ø5,5÷12mm cable). | Bloque de terminales IP68 H2O Stop anticondensación con 3/4 vías y 4 polos. (Cable ø5,5÷12 mm). | F990C010000 | |  |




Power LED source included. Equipped with an integrated snoot for higher visual comfort: the asymmetrical cut visor is available as an accessory. Collimators are available as an accessory to modify the beam opening. Integrated electric power supply 220-240V ON/OFF and adjustable 1-10V or DALI. Minimum L-shaped mounting support integrated. Equipped with a 5m neoprene cable (10m upon request) for remote connection. To guarantee its water tightness, it is recommended to use flexible cables designed for outdoor use.

Optic Narrow Spot

2200K available on request.

Fuente Power LED incluida. Equipada con snoot integrado para un confort visual mayor: como accesorio, está disponible el visor de corte asimétrico. Los colimadores son un accesorio disponible para modificar la apertura del haz lumínico. Fuente de alimentación eléctrica 220-240V ON/OFF y regulable 1-10V o DALI integrada. Soporte mínimo de montaje en L integrado. Dotada con sección de cable en neopreno de 5m (10m bajo pedido) para conexión remota; para garantizar la estanqueidad se aconseja emplear cables flexibles para exteriores.

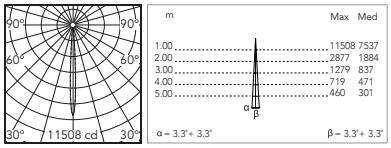
Optic Narrow Spot

2200K disponible bajo pedido.

### Optic Narrow Spot 6º

**Power Led:** 4,1W - 248 lm ≠ FIXT 230 lm - 2700K/CRI 80 - 220-240V / 4,1W - 258 lm ≠ FIXT 239 lm - 3000K/CRI 80 - 220-240V / 4,1W - 267 lm ≠ FIXT 247 lm - 4000K/CRI 80 - 220-240V

| 2700K | 3000K | 4000K |
|---|---|---|
| Non Dimmable | Non Dimmable | Non Dimmable |
| ○ F026R2AA001 | ○ F026R3AA001 | ○ F026R4AA001 |
| ● F026R2AA006 | ● F026R3AA006 | ● F026R4AA006 |
| ● F026R2AA012 | ● F026R3AA012 | ● F026R4AA012 |
| ● F026R2AA018 | ● F026R3AA018 | ● F026R4AA018 |
| ● F026R2AA030 | ● F026R3AA030 | ● F026R4AA030 |
| ● F026R2AA033 | ● F026R3AA033 | ● F026R4AA033 |
| 1-10V | 1-10V | 1-10V |
| ○ F026R2AB001 | ○ F026R3AB001 | ○ F026R4AB001 |
| ● F026R2AB006 | ● F026R3AB006 | ● F026R4AB006 |
| ● F026R2AB012 | ● F026R3AB012 | ● F026R4AB012 |
| ● F026R2AB018 | ● F026R3AB018 | ● F026R4AB018 |
| ● F026R2AB030 | ● F026R3AB030 | ● F026R4AB030 |
| ● F026R2AB033 | ● F026R3AB033 | ● F026R4AB033 |
| Dali | Dali | Dali |
| ○ F026R2AD001 | ○ F026R3AD001 | ○ F026R4AD001 |
| ● F026R2AD006 | ● F026R3AD006 | ● F026R4AD006 |
| ● F026R2AD012 | ● F026R3AD012 | ● F026R4AD012 |
| ● F026R2AD018 | ● F026R3AD018 | ● F026R4AD018 |
| ● F026R2AD030 | ● F026R3AD030 | ● F026R4AD030 |
| ● F026R2AD033 | ● F026R3AD033 | ● F026R4AD033 |

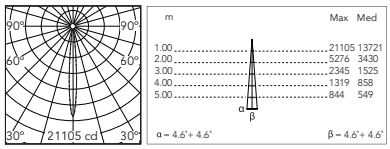



@ 3000K

### Optic Spot 9,5º

**Power Led:** 10,5W - 920 lm ≠ FIXT 769 lm - 2700K/CRI 80 - 220-240Vv / 10,5W - 966 lm ≠ FIXT 808 lm - 3000K/CRI 80 - 220-240V / 10,5W - 1012 lm ≠ FIXT 846 lm - 4000K/CRI 80 - 220-240V

| 2700K | 3000K | 4000K |
|---|---|---|
| Non Dimmable | Non Dimmable | Non Dimmable |
| ○ F026R2BA001 | ○ F026R3BA001 | ○ F026R4BA001 |
| ● F026R2BA006 | ● F026R3BA006 | ● F026R4BA006 |
| ● F026R2BA012 | ● F026R3BA012 | ● F026R4BA012 |
| ● F026R2BA018 | ● F026R3BA018 | ● F026R4BA018 |
| ● F026R2BA030 | ● F026R3BA030 | ● F026R4BA030 |
| ● F026R2BA033 | ● F026R3BA033 | ● F026R4BA033 |
| 1-10V | 1-10V | 1-10V |
| ○ F026R2BB001 | ○ F026R3BB001 | ○ F026R4BB001 |
| ● F026R2BB006 | ● F026R3BB006 | ● F026R4BB006 |
| ● F026R2BB012 | ● F026R3BB012 | ● F026R4BB012 |
| ● F026R2BB018 | ● F026R3BB018 | ● F026R4BB018 |
| ● F026R2BB030 | ● F026R3BB030 | ● F026R4BB030 |
| ● F026R2BB033 | ● F026R3BB033 | ● F026R4BB033 |
| Dali | Dali | Dali |
| ○ F026R2BD001 | ○ F026R3BD001 | ○ F026R4BD001 |
| ● F026R2BD006 | ● F026R3BD006 | ● F026R4BD006 |
| ● F026R2BD012 | ● F026R3BD012 | ● F026R4BD012 |
| ● F026R2BD018 | ● F026R3BD018 | ● F026R4BD018 |
| ● F026R2BD030 | ● F026R3BD030 | ● F026R4BD030 |
| ● F026R2BD033 | ● F026R3BD033 | ● F026R4BD033 |




@ 3000K

### Optic Medium Flood 28º

**Power Led:** 10,5W - 920 lm ≠ FIXT 715 lm - 2700K/CRI 80 - 220-240V / 10,5W - 966 lm ≠ FIXT 742 lm - 3000K/CRI 80 - 220-240V / 10,5W - 1012 lm ≠ FIXT 767 lm - 4000K/CRI 80 - 220-240V

**2700K**
Non Dimmable
- F026R2CA001
- F026R2CA006
- F026R2CA012
- F026R2CA018
- F026R2CA030
- F026R2CA033

1-10V
- F026R2CB001
- F026R2CB006
- F026R2CB012
- F026R2CB018
- F026R2CB030
- F026R2CB033

Dali
- F026R2CD001
- F026R2CD006
- F026R2CD012
- F026R2CD018
- F026R2CD030
- F026R2CD033

**3000K**
Non Dimmable
- F026R3CA001
- F026R3CA006
- F026R3CA012
- F026R3CA018
- F026R3CA030
- F026R3CA033

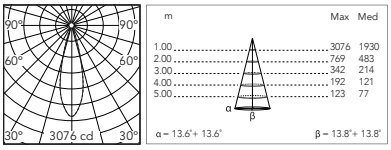
1-10V
- F026R3CB001
- F026R3CB006
- F026R3CB012
- F026R3CB018
- F026R3CB030
- F026R3CB033

Dali
- F026R3CD001
- F026R3CD006
- F026R3CD012
- F026R3CD018
- F026R3CD030
- F026R3CD033

**4000K**
Non Dimmable
- F026R4CA001
- F026R4CA006
- F026R4CA012
- F026R4CA018
- F026R4CA030
- F026R4CA033

1-10V
- F026R4CB001
- F026R4CB006
- F026R4CB012
- F026R4CB018
- F026R4CB030
- F026R4CB033

Dali
- F026R4CD001
- F026R4CD006
- F026R4CD012
- F026R4CD018
- F026R4CD030
- F026R4CD033




@ 3000K

### Optic Flood 33º

**Power Led:** 10,5W - 920 lm ≠ FIXT 695 lm - 2700K/CRI 80 - 220-240V / 10,5W - 966 lm ≠ FIXT 721 lm - 3000K/CRI 80 - 220-240V / 10,5W - 1012 lm ≠ FIXT 746 lm - 4000K/CRI 80 - 220-240V

**2700K**
Non Dimmable
- F026R2DA001
- F026R2DA006
- F026R2DA012
- F026R2DA018
- F026R2DA030
- F026R2DA033

1-10V
- F026R2DB001
- F026R2DB006
- F026R2DB012
- F026R2DB018
- F026R2DB030
- F026R2DB033

Dali
- F026R2DD001
- F026R2DD006
- F026R2DD012
- F026R2DD018
- F026R2DD030
- F026R2DD033

**3000K**
Non Dimmable
- F026R3DA001
- F026R3DA006
- F026R3DA012
- F026R3DA018
- F026R3DA030
- F026R3DA033

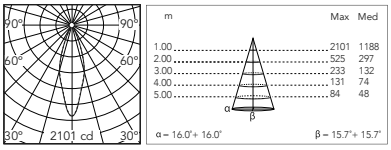
1-10V
- F026R3DB001
- F026R3DB006
- F026R3DB012
- F026R3DB018
- F026R3DB030
- F026R3DB033

Dali
- F026R3DD001
- F026R3DD006
- F026R3DD012
- F026R3DD018
- F026R3DD030
- F026R3DD033

**4000K**
Non Dimmable
- F026R4DA001
- F026R4DA006
- F026R4DA012
- F026R4DA018
- F026R4DA030
- F026R4DA033

1-10V
- F026R4DB001
- F026R4DB006
- F026R4DB012
- F026R4DB018
- F026R4DB030
- F026R4DB033

Dali
- F026R4DD001
- F026R4DD006
- F026R4DD012
- F026R4DD018
- F026R4DD030
- F026R4DD033




@ 3000K

### Optic Wide Flood 51º

**Power Led:** 10,5W - 920 lm ≠ FIXT 711 lm - 2700K/CRI 80 - 220-240V / 10,5W - 966 lm ≠ FIXT 741 lm - 3000K/CRI 80 - 220-240V / 10,5W - 1012 lm ≠ FIXT 778 lm - 4000K/CRI 80 - 220-240V

**2700K**
Non Dimmable
- F026R2EA001
- F026R2EA006
- F026R2EA012
- F026R2EA018
- F026R2EA030
- F026R2EA033

1-10V
- F026R2EB001
- F026R2EB006
- F026R2EB012
- F026R2EB018
- F026R2EB030
- F026R2EB033

Dali
- F026R2ED001
- F026R2ED006
- F026R2ED012
- F026R2ED018
- F026R2ED030
- F026R2ED033

**3000K**
Non Dimmable
- F026R3EA001
- F026R3EA006
- F026R3EA012
- F026R3EA018
- F026R3EA030
- F026R3EA033

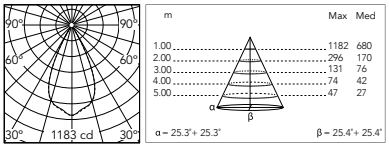
1-10V
- F026R3EB001
- F026R3EB006
- F026R3EB012
- F026R3EB018
- F026R3EB030
- F026R3EB033

Dali
- F026R3ED001
- F026R3ED006
- F026R3ED012
- F026R3ED018
- F026R3ED030
- F026R3ED033

**4000K**
Non Dimmable
- F026R4EA001
- F026R4EA006
- F026R4EA012
- F026R4EA018
- F026R4EA030
- F026R4EA033

1-10V
- F026R4EB001
- F026R4EB006
- F026R4EB012
- F026R4EB018
- F026R4EB030
- F026R4EB033

Dali
- F026R4ED001
- F026R4ED006
- F026R4ED012
- F026R4ED018
- F026R4ED030
- F026R4ED033




@ 3000K

### Optic Elliptical 1 9,5º x 48º

**Power Led:** 10,5W - 920 lm ≠ FIXT 717 lm - 2700K/CRI 80 - 220-240V / 10,5W - 966 lm ≠ FIXT 744 lm - 3000K/CRI 80 - 220-240V / 10,5W - 1012 lm ≠ FIXT 770 lm - 4000K/CRI 80 - 220-240V

**2700K**
Non Dimmable
- F026R2FA001
- F026R2FA006
- F026R2FA012
- F026R2FA018
- F026R2FA030
- F026R2FA033

1-10V
- F026R2FB001
- F026R2FB006
- F026R2FB012
- F026R2FB018
- F026R2FB030
- F026R2FB033

Dali
- F026R2FD001
- F026R2FD006
- F026R2FD012
- F026R2FD018
- F026R2FD030
- F026R2FD033

**3000K**
Non Dimmable
- F026R3FA001
- F026R3FA006
- F026R3FA012
- F026R3FA018
- F026R3FA030
- F026R3FA033

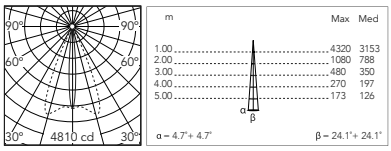
1-10V
- F026R3FB001
- F026R3FB006
- F026R3FB012
- F026R3FB018
- F026R3FB030
- F026R3FB033

Dali
- F026R3FD001
- F026R3FD006
- F026R3FD012
- F026R3FD018
- F026R3FD030
- F026R3FD033

**4000K**
Non Dimmable
- F026R4FA001
- F026R4FA006
- F026R4FA012
- F026R4FA018
- F026R4FA030
- F026R4FA033

1-10V
- F026R4FB001
- F026R4FB006
- F026R4FB012
- F026R4FB018
- F026R4FB030
- F026R4FB033

Dali
- F026R4FD001
- F026R4FD006
- F026R4FD012
- F026R4FD018
- F026R4FD030
- F026R4FD033




@ 3000K

### Optic Elliptical 2 24º x 50º

**Power Led:** 10,5W - 920 lm ≠ FIXT 699 lm - 2700K/CRI 80 - 220-240V / 10,5W - 966 lm ≠ FIXT 725 lm - 3000K/CRI 80 - 220-240V / 10,5W - 1012 lm ≠ FIXT 750 lm - 4000K/CRI 80 - 220-240V

**2700K**
Non Dimmable
- F026R2GA001
- F026R2GA006
- F026R2GA012
- F026R2GA018
- F026R2GA030
- F026R2GA033

1-10V
- F026R2GB001
- F026R2GB006
- F026R2GB012
- F026R2GB018
- F026R2GB030
- F026R2GB033

Dali
- F026R2GD001
- F026R2GD006
- F026R2GD012
- F026R2GD018
- F026R2GD030
- F026R2GD033

**3000K**
Non Dimmable
- F026R3GA001
- F026R3GA006
- F026R3GA012
- F026R3GA018
- F026R3GA030
- F026R3GA033

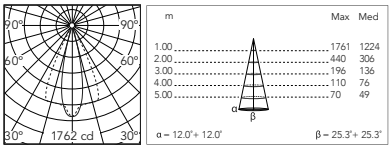
1-10V
- F026R3GB001
- F026R3GB006
- F026R3GB012
- F026R3GB018
- F026R3GB030
- F026R3GB033

Dali
- F026R3GD001
- F026R3GD006
- F026R3GD012
- F026R3GD018
- F026R3GD030
- F026R3GD033

**4000K**
Non Dimmable
- F026R4GA001
- F026R4GA006
- F026R4GA012
- F026R4GA018
- F026R4GA030
- F026R4GA033

1-10V
- F026R4GB001
- F026R4GB006
- F026R4GB012
- F026R4GB018
- F026R4GB030
- F026R4GB033

Dali
- F026R4GD001
- F026R4GD006
- F026R4GD012
- F026R4GD018
- F026R4GD030
- F026R4GD033




@ 3000K

### Optic Wall Washer

**Power Led:** 10,5W - 920 lm ≠ FIXT 673 lm - 2700K/CRI 80 - 220-240V / 10,5W - 966 lm ≠ FIXT 698 lm - 3000K/CRI 80 - 220-240V / 10,5W - 1012 lm ≠ FIXT 672 lm - 4000K/CRI 80 - 220-240V

**2700K**
Non Dimmable
- F026R2HA001
- F026R2HA006
- F026R2HA012
- F026R2HA018
- F026R2HA030
- F026R2HA033

1-10V
- F026R2HB001
- F026R2HB006
- F026R2HB012
- F026R2HB018
- F026R2HB030
- F026R2HB033

Dali
- F026R2HD001
- F026R2HD006
- F026R2HD012
- F026R2HD018
- F026R2HD030
- F026R2HD033

**3000K**
Non Dimmable
- F026R3HA001
- F026R3HA006
- F026R3HA012
- F026R3HA018
- F026R3HA030
- F026R3HA033

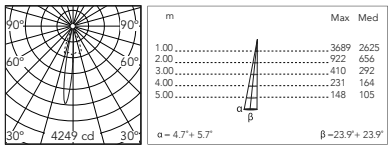
1-10V
- F026R3HB001
- F026R3HB006
- F026R3HB012
- F026R3HB018
- F026R3HB030
- F026R3HB033

Dali
- F026R3HD001
- F026R3HD006
- F026R3HD012
- F026R3HD018
- F026R3HD030
- F026R3HD033

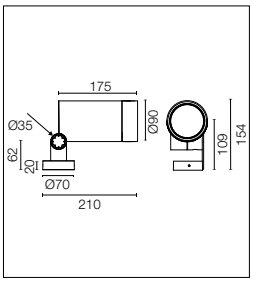
**4000K**
Non Dimmable
- F026R4HA001
- F026R4HA006
- F026R4HA012
- F026R4HA018
- F026R4HA030
- F026R4HA033

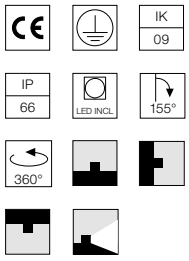
1-10V
- F026R4HB001
- F026R4HB006
- F026R4HB012
- F026R4HB018
- F026R4HB030
- F026R4HB033

Dali
- F026R4HD001
- F026R4HD006
- F026R4HD012
- F026R4HD018
- F026R4HD030
- F026R4HD033




@ 3000K




Energy-efficient Power LED source included Equipped with an integrated snoot for higher visual comfort: the asymmetrical cut visor is available as an accessory. Collimators are available as an accessory to modify the beam opening. Integrated electric power supply 220-240V ON/OFF and adjustable 1-10V or DALI. Minimum L-shaped mounting support integrated. Equipped with a 5m neoprene cable (10m upon request) for remote connection. To guarantee its water tightness, it is recommended to use flexible cables designed for outdoor use.

2200K available on request.

Fuente Power LED de bajo consumo incluida. Equipada con snoot integrado para un confort visual mayor: como accesorio, está disponible el visor de corte asimétrico. Los colimadores son un accesorio disponible para modificar la apertura del haz lumínico. Fuente de alimentación eléctrica 220-240V ON/OFF y regulable 1-10V o DALI integrada. Soporte mínimo de montaje en L integrado. Dotada con sección de cable en neopreno de 5m (10m bajo pedido) para conexión remota; para garantizar la estanqueidad se aconseja emplear cables flexibles para exteriores.

2200K disponible bajo pedido.

### Optic Spot 14,5º

**Power Led:** 17W - 1739 lm ≠ FIXT 1443 lm - 2700K/CRI 80 - 220-240V / 17W - 1803 lm ≠ FIXT 1497 lm - 3000K/CRI 80 - 220-240V / 17W - 1868 lm ≠ FIXT 1548 lm - 4000K/CRI 80 - 220-240V

**2700K**

Non Dimmable
- ○ F026S2BA001
- ● F026S2BA006
- ● F026S2BA012
- ● F026S2BA018
- ● F026S2BA030
- ● F026S2BA033

1-10V
- ○ F026S2BB001
- ● F026S2BB006
- ● F026S2BB012
- ● F026S2BB018
- ● F026S2BB030
- ● F026S2BB033

Dali
- ○ F026S2BD001
- ● F026S2BD006
- ● F026S2BD012
- ● F026S2BD018
- ● F026S2BD030
- ● F026S2BD033

**3000K**

Non Dimmable
- ○ F026S3BA001
- ● F026S3BA006
- ● F026S3BA012
- ● F026S3BA018
- ● F026S3BA030
- ● F026S3BA033

1-10V
- ○ F026S3BB001
- ● F026S3BB006
- ● F026S3BB012
- ● F026S3BB018
- ● F026S3BB030
- ● F026S3BB033

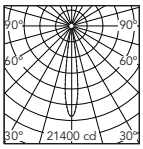
Dali
- ○ F026S3BD001
- ● F026S3BD006
- ● F026S3BD012
- ● F026S3BD018
- ● F026S3BD030
- ● F026S3BD033

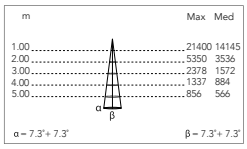
**4000K**

Non Dimmable
- ○ F026S4BA001
- ● F026S4BA006
- ● F026S4BA012
- ● F026S4BA018
- ● F026S4BA030
- ● F026S4BA033

1-10V
- ○ F026S4BB001
- ● F026S4BB006
- ● F026S4BB012
- ● F026S4BB018
- ● F026S4BB030
- ● F026S4BB033

Dali
- ○ F026S4BD001
- ● F026S4BD006
- ● F026S4BD012
- ● F026S4BD018
- ● F026S4BD030
- ● F026S4BD033




@ 3000K

### Optic Medium Flood 26º

**Power Led:** 17W - 1739 lm ≠ FIXT 1336 lm - 2700K/CRI 80 - 220-240V / 17W - 1803 lm ≠ FIXT 1386 lm - 3000K/CRI 80 - 220-240V / 17W - 1868 lm ≠ FIXT 1434 lm - 4000K/CRI 80 - 220-240V

**2700K**

Non Dimmable
- ○ F026S2CA001
- ● F026S2CA006
- ● F026S2CA012
- ● F026S2CA018
- ● F026S2CA030
- ● F026S2CA033

1-10V
- ○ F026S2CB001
- ● F026S2CB006
- ● F026S2CB012
- ● F026S2CB018
- ● F026S2CB030
- ● F026S2CB033

Dali
- ○ F026S2CD001
- ● F026S2CD006
- ● F026S2CD012
- ● F026S2CD018
- ● F026S2CD030
- ● F026S2CD033

**3000K**

Non Dimmable
- ○ F026S3CA001
- ● F026S3CA006
- ● F026S3CA012
- ● F026S3CA018
- ● F026S3CA030
- ● F026S3CA033

1-10V
- ○ F026S3CB001
- ● F026S3CB006
- ● F026S3CB012
- ● F026S3CB018
- ● F026S3CB030
- ● F026S3CB033

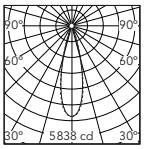
Dali
- ○ F026S3CD001
- ● F026S3CD006
- ● F026S3CD012
- ● F026S3CD018
- ● F026S3CD030
- ● F026S3CD033

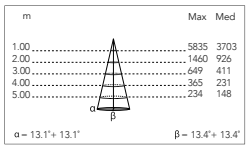
**4000K**

Non Dimmable
- ○ F026S4CA001
- ● F026S4CA006
- ● F026S4CA012
- ● F026S4CA018
- ● F026S4CA030
- ● F026S4CA033

1-10V
- ○ F026S4CB001
- ● F026S4CB006
- ● F026S4CB012
- ● F026S4CB018
- ● F026S4CB030
- ● F026S4CB033

Dali
- ○ F026S4CD001
- ● F026S4CD006
- ● F026S4CD012
- ● F026S4CD018
- ● F026S4CD030
- ● F026S4CD033




@ 3000K

### Optic Flood 36º

**Power Led:** 17W - 1739 lm ≠ FIXT 1302 lm - 2700K/CRI 80 - 220-240V / 17W - 1803 lm ≠ FIXT 1351 lm - 3000K/CRI 80 - 220-240V / 17W - 1868 lm ≠ FIXT 1397 lm - 4000K/CRI 80 - 220-240V

**2700K**
Non Dimmable
- F026S2DA001
- F026S2DA006
- F026S2DA012
- F026S2DA018
- F026S2DA030
- F026S2DA033

1-10V
- F026S2DB001
- F026S2DB006
- F026S2DB012
- F026S2DB018
- F026S2DB030
- F026S2DB033

Dali
- F026S2DD001
- F026S2DD006
- F026S2DD012
- F026S2DD018
- F026S2DD030
- F026S2DD033

**3000K**
Non Dimmable
- F026S3DA001
- F026S3DA006
- F026S3DA012
- F026S3DA018
- F026S3DA030
- F026S3DA033

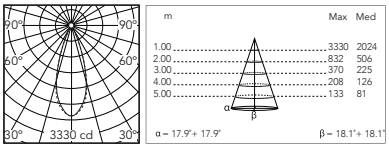
1-10V
- F026S3DB001
- F026S3DB006
- F026S3DB012
- F026S3DB018
- F026S3DB030
- F026S3DB033

Dali
- F026S3DD001
- F026S3DD006
- F026S3DD012
- F026S3DD018
- F026S3DD030
- F026S3DD033

**4000K**
Non Dimmable
- F026S4DA001
- F026S4DA006
- F026S4DA012
- F026S4DA018
- F026S4DA030
- F026S4DA033

1-10V
- F026S4DB001
- F026S4DB006
- F026S4DB012
- F026S4DB018
- F026S4DB030
- F026S4DB033

Dali
- F026S4DD001
- F026S4DD006
- F026S4DD012
- F026S4DD018
- F026S4DD030
- F026S4DD033




@ 3000K

### Optic Wide Flood 52º

**Power Led:** 17W - 1739 lm ≠ FIXT 1303 lm - 2700K/CRI 80 - 220-240V / 17W - 1803 lm ≠ FIXT 1357 lm - 3000K/CRI 80 - 220-240V / 17W - 1868 lm ≠ FIXT 1411 lm - 4000K/CRI 80 - 220-240V

**2700K**
Non Dimmable
- F026S2EA001
- F026S2EA006
- F026S2EA012
- F026S2EA018
- F026S2EA030
- F026S2EA033

1-10V
- F026S2EB001
- F026S2EB006
- F026S2EB012
- F026S2EB018
- F026S2EB030
- F026S2EB033

Dali
- F026S2ED001
- F026S2ED006
- F026S2ED012
- F026S2ED018
- F026S2ED030
- F026S2ED033

**3000K**
Non Dimmable
- F026S3EA001
- F026S3EA006
- F026S3EA012
- F026S3EA018
- F026S3EA030
- F026S3EA033

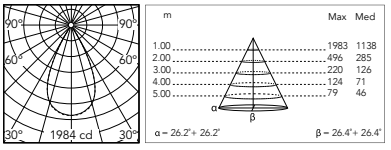
1-10V
- F026S3EB001
- F026S3EB006
- F026S3EB012
- F026S3EB018
- F026S3EB030
- F026S3EB033

Dali
- F026S3ED001
- F026S3ED006
- F026S3ED012
- F026S3ED018
- F026S3ED030
- F026S3ED033

**4000K**
Non Dimmable
- F026S4EA001
- F026S4EA006
- F026S4EA012
- F026S4EA018
- F026S4EA030
- F026S4EA033

1-10V
- F026S4EB001
- F026S4EB006
- F026S4EB012
- F026S4EB018
- F026S4EB030
- F026S4EB033

Dali
- F026S4ED001
- F026S4ED006
- F026S4ED012
- F026S4ED018
- F026S4ED030
- F026S4ED033




@ 3000K

### Optic Elliptical 1 14º x 50º

**Power Led:** 17W - 1739 lm ≠ FIXT 1315 lm - 2700K/CRI 80 - 220-240V / 17W - 1803 lm ≠ FIXT 1364 lm - 3000K/CRI 80 - 220-240V / 17W - 1868 lm ≠ FIXT 1410 lm - 4000K/CRI 80 - 220-240V

**2700K**
Non Dimmable
- F026S2FA001
- F026S2FA006
- F026S2FA012
- F026S2FA018
- F026S2FA030
- F026S2FA033

1-10V
- F026S2FB001
- F026S2FB006
- F026S2FB012
- F026S2FB018
- F026S2FB030
- F026S2FB033

Dali
- F026S2FD001
- F026S2FD006
- F026S2FD012
- F026S2FD018
- F026S2FD030
- F026S2FD033

**3000K**
Non Dimmable
- F026S3FA001
- F026S3FA006
- F026S3FA012
- F026S3FA018
- F026S3FA030
- F026S3FA033

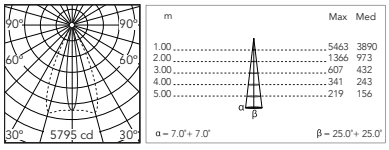
1-10V
- F026S3FB001
- F026S3FB006
- F026S3FB012
- F026S3FB018
- F026S3FB030
- F026S3FB033

Dali
- F026S3FD001
- F026S3FD006
- F026S3FD012
- F026S3FD018
- F026S3FD030
- F026S3FD033

**4000K**
Non Dimmable
- F026S4FA001
- F026S4FA006
- F026S4FA012
- F026S4FA018
- F026S4FA030
- F026S4FA033

1-10V
- F026S4FB001
- F026S4FB006
- F026S4FB012
- F026S4FB018
- F026S4FB030
- F026S4FB033

Dali
- F026S4FD001
- F026S4FD006
- F026S4FD012
- F026S4FD018
- F026S4FD030
- F026S4FD033




@ 3000K

### Optic Elliptical 2 25º x 52º

**Power Led:** 17W - 1739 lm ≠ FIXT 1298 lm - 2700K/CRI 80 - 220-240V / 17W - 1803 lm ≠ FIXT 1351 lm - 3000K/CRI 80 - 220-240V / 17W - 1868 lm ≠ FIXT 1393 lm - 4000K/CRI 80 - 220-240V

**2700K**

Non Dimmable
- F026S2GA001
- F026S2GA006
- F026S2GA012
- F026S2GA018
- F026S2GA030
- F026S2GA033

1-10V
- F026S2GB001
- F026S2GB006
- F026S2GB012
- F026S2GB018
- F026S2GB030
- F026S2GB033

Dali
- F026S2GD001
- F026S2GD006
- F026S2GD012
- F026S2GD018
- F026S2GD030
- F026S2GD033

**3000K**

Non Dimmable
- F026S3GA001
- F026S3GA006
- F026S3GA012
- F026S3GA018
- F026S3GA030
- F026S3GA033

1-10V
- F026S3GB001
- F026S3GB006
- F026S3GB012
- F026S3GB018
- F026S3GB030
- F026S3GB033

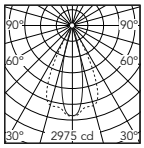
Dali
- F026S3GD001
- F026S3GD006
- F026S3GD012
- F026S3GD018
- F026S3GD030
- F026S3GD033

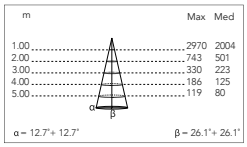
**4000K**

Non Dimmable
- F026S4GA001
- F026S4GA006
- F026S4GA012
- F026S4GA018
- F026S4GA030
- F026S4GA033

1-10V
- F026S4GB001
- F026S4GB006
- F026S4GB012
- F026S4GB018
- F026S4GB030
- F026S4GB033

Dali
- F026S4GD001
- F026S4GD006
- F026S4GD012
- F026S4GD018
- F026S4GD030
- F026S4GD033




@ 3000K

### Optic Wall Washer

**Power Led:** 17W - 1739 lm ≠ FIXT 1277 lm - 2700K/CRI 80 - 220-240V / 17W - 1803 lm ≠ FIXT 1325 lm - 3000K/CRI 80 - 220-240V / 17W - 1868 lm ≠ FIXT 1370 lm - 4000K/CRI 80 - 220-240V

**2700K**

Non Dimmable
- F026S2HA001
- F026S2HA006
- F026S2HA012
- F026S2HA018
- F026S2HA030
- F026S2HA033

1-10V
- F026S2HB001
- F026S2HB006
- F026S2HB012
- F026S2HB018
- F026S2HB030
- F026S2HB033

Dali
- F026S2HD001
- F026S2HD006
- F026S2HD012
- F026S2HD018
- F026S2HD030
- F026S2HD033

**3000K**

Non Dimmable
- F026S3HA001
- F026S3HA006
- F026S3HA012
- F026S3HA018
- F026S3HA030
- F026S3HA033

1-10V
- F026S3HB001
- F026S3HB006
- F026S3HB012
- F026S3HB018
- F026S3HB030
- F026S3HB033

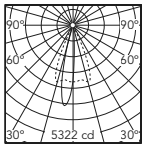
Dali
- F026S3HD001
- F026S3HD006
- F026S3HD012
- F026S3HD018
- F026S3HD030
- F026S3HD033

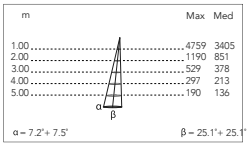
**4000K**

Non Dimmable
- F026S4HA001
- F026S4HA006
- F026S4HA012
- F026S4HA018
- F026S4HA030
- F026S4HA033

1-10V
- F026S4HB001
- F026S4HB006
- F026S4HB012
- F026S4HB018
- F026S4HB030
- F026S4HB033

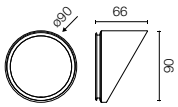
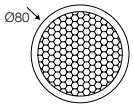
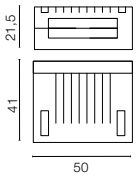
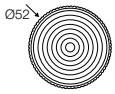
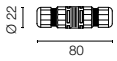
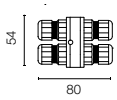
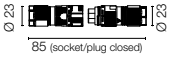
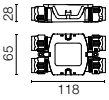
Dali
- F026S4HD001
- F026S4HD006
- F026S4HD012
- F026S4HD018
- F026S4HD030
- F026S4HD033



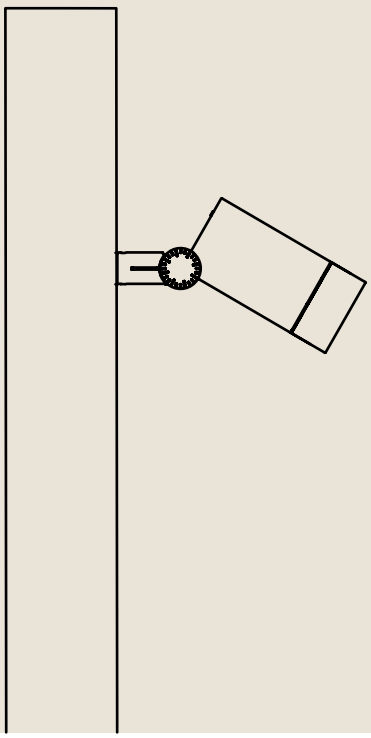




@ 3000K

## Spine L 2 Ultra: Accessories / Accesorios

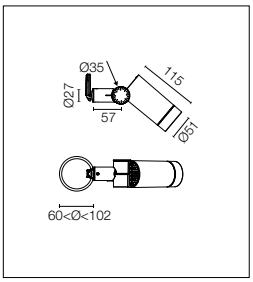
| | | | | |
|---|---|---|---|---|
| Visor | Visor | ○ F026Z050001<br>● F026Z050006<br>● F026Z050012<br>● F026Z050018<br>● F026Z050030<br>● F026Z050033 | |  |
| Honeycomb | Honeycomb Louvre | F026Z060000 | |  |
| Gelbox IPX8 for splicing connectors. | Caja de gel IPX8 para la conexión eléctrica. | F990C110000 | |  |
| Converter lenses / Lentes de conversión:<br>- Converter Spine 2 Optic Medium Flood<br>- Converter Spine 2 Optic Flood<br>- Converter Spine 2 Optic Wide Flood<br>- Converter Spine 2 Optic Elliptic 1<br>- Converter Spine 2 Optic Elliptic 2<br>- Converter Spine 2 Optic Wall Washer | | <br>F029Z020000<br>F029Z021000<br>F029Z022000<br>F029Z023000<br>F029Z024000<br>F029Z025000 | |  |
| 2 way terminal block 4 poles IP68 H2O Stop. | Bloque de terminales IP68 H2O Stop anticondensación con 2 vías y 4 polos. | F990C00A000 | |  |
| 3/4 way terminal block 4 poles IP68 H2O Stop. (ø5,5÷12mm cable). | Bloque de terminales IP68 H2O Stop anticondensación con 3/4 vías y 4 polos. (Cable ø5,5÷12 mm). | F990C010000 | |  |
| Connector kit 5-pole flying socket + EU plug IP68. | Kit de conectores de 5 polos enchufe volante + enchufe UE IP68. | F990C080000 | |  |
| 4 way junction box 5 poles IP68 (6-14 mm cables). | Caja de derivación de 5 polos y 4 vías IP68 (cables de 6-14 mm). | F990C030000 | |  |

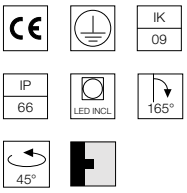
## Spine T



A special pole connection has been designed for product installation on poles to manage complex light scenes and mix multiple projectors in one single column.

Se ha diseñado una conexión especial para instalar el producto en postes para gestionar escenas de luz complejas y combinar varios proyectores en una sola columna.




Power LED source included. Equipped with an integrated snoot for higher visual comfort. Collimators are available as an accessory to modify the beam opening. Integrated electric power supply 220-240V ON/OFF. Integrated support for pole fixing, for poles with a diameter between 60 and 120 mm and a maximum thickness of 3 mm. Equipped with a 5m neoprene cable (10m upon request) for remote connection. To guarantee its water tightness, it is recommended to use flexible cables designed for outdoor use.

2200K available on request.

DALI dimmable version available on request.

Fuente Power LED incluida. Equipada con snoot integrado para un confort visual mayor. Los colimadores son un accesorio disponible para modificar la apertura del haz lumínico. Fuente de alimentación eléctrica 220-240V ON/OFF integrada. Soporte para la fijación en poste integrad, para postes de 60 a 120 mm de diámetro, espesor máximo de 3 mm. Dotada con sección de cable en neopreno de 5m (10m bajo pedido) para conexión remota; para garantizar la estanqueidad se aconseja emplear cables flexibles para exteriores.

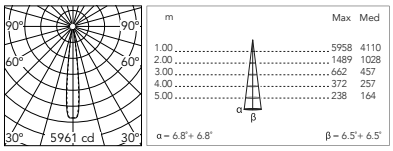
2200K disponible bajo pedido.

Versión regulable Dali disponible bajo pedido.

### Optic Spot 14º

**Power Led:** 5W - 481 lm ≠ FIXT 368 lm - 2700K/CRI 80 - 220-240V / 5W - 493 lm ≠ FIXT 377 lm - 3000K/CRI 80 - 220-240V / 5W - 540 lm ≠ FIXT 413 lm - 4000K/CRI 80 - 220-240V

| 2700K | 3000K | 4000K |
|---|---|---|
| Non Dimmable | Non Dimmable | Non Dimmable |
| F02752BA001 | F02753BA001 | F02754BA001 |
| F02752BA006 | F02753BA006 | F02754BA006 |
| F02752BA012 | F02753BA012 | F02754BA012 |
| F02752BA018 | F02753BA018 | F02754BA018 |
| F02752BA030 | F02753BA030 | F02754BA030 |
| F02752BA033 | F02753BA033 | F02754BA033 |

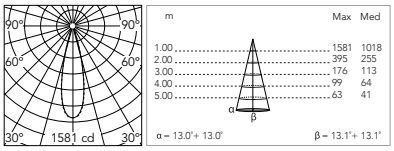



@ 3000K

### Optic Medium Flood 26º

**Power Led:** 5W - 481 lm ≠ FIXT 337 lm - 2700K/CRI 80 - 220-240V / 5W - 493 lm ≠ FIXT 346 lm - 3000K/CRI 80 - 220-240V / 5W - 540 lm ≠ FIXT 378 lm - 4000K/CRI 80 - 220-240V

| 2700K | 3000K | 4000K |
|---|---|---|
| Non Dimmable | Non Dimmable | Non Dimmable |
| F02752CA001 | F02753CA001 | F02754CA001 |
| F02752CA006 | F02753CA006 | F02754CA006 |
| F02752CA012 | F02753CA012 | F02754CA012 |
| F02752CA018 | F02753CA018 | F02754CA018 |
| F02752CA030 | F02753CA030 | F02754CA030 |
| F02752CA033 | F02753CA033 | F02754CA033 |

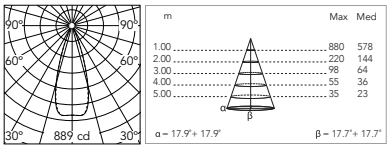



@ 3000K

### Optic Flood 36º

**Power Led:** 5W - 481 lm ≠ FIXT 332 lm - 2700K/CRI 80 - 220-240V / 5W - 493 lm ≠ FIXT 340 lm - 3000K/CRI 80 - 220-240V / 5W - 540 lm ≠ FIXT 373 lm - 4000K/CRI 80 - 220-240V

| 2700K | 3000K | 4000K |
|---|---|---|
| Non Dimmable | Non Dimmable | Non Dimmable |
| F02752DA001 | F02753DA001 | F02754DA001 |
| F02752DA006 | F02753DA006 | F02754DA006 |
| F02752DA012 | F02753DA012 | F02754DA012 |
| F02752DA018 | F02753DA018 | F02754DA018 |
| F02752DA030 | F02753DA030 | F02754DA030 |
| F02752DA033 | F02753DA033 | F02754DA033 |

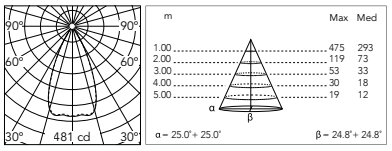



@ 3000K

### Optic Wide Flood 50º

**Power Led:** 5W - 481 lm ≠ FIXT 324 lm - 2700K/CRI 80 - 220-240V / 5W - 493 lm ≠ FIXT 332 lm - 3000K/CRI 80 - 220-240V / 5W - 540 lm ≠ FIXT 363 lm - 4000K/CRI 80 - 220-240V

| 2700K | 3000K | 4000K |
|---|---|---|
| Non Dimmable | Non Dimmable | Non Dimmable |
| F02752EA001 | F02753EA001 | F02754EA001 |
| F02752EA006 | F02753EA006 | F02754EA006 |
| F02752EA012 | F02753EA012 | F02754EA012 |
| F02752EA018 | F02753EA018 | F02754EA018 |
| F02752EA030 | F02753EA030 | F02754EA030 |
| F02752EA033 | F02753EA033 | F02754EA033 |

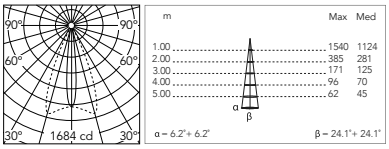



@ 3000K

### Optic Elliptical 1 12º x 50º

**Power Led:** 5W - 481 lm ≠ FIXT 342 lm - 2700K/CRI 80 - 220-240V / 5W - 493 lm ≠ FIXT 350 lm - 3000K/CRI 80 - 220-240V / 5W - 540 lm ≠ FIXT 383 lm - 4000K/CRI 80 - 220-240V

| 2700K | 3000K | 4000K |
|---|---|---|
| Non Dimmable | Non Dimmable | Non Dimmable |
| F02752FA001 | F02753FA001 | F02754FA001 |
| F02752FA006 | F02753FA006 | F02754FA006 |
| F02752FA012 | F02753FA012 | F02754FA012 |
| F02752FA018 | F02753FA018 | F02754FA018 |
| F02752FA030 | F02753FA030 | F02754FA030 |
| F02752FA033 | F02753FA033 | F02754FA033 |

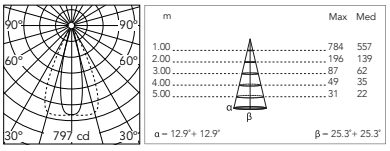



@ 3000K

### Optic Elliptical 2 26º x 51º

**Power Led:** 5W - 481 lm ≠ FIXT 334 lm - 2700K/CRI 80 - 220-240V / 5W - 493 lm ≠ FIXT 342 lm - 3000K/CRI 80 - 220-240V / 5W - 540 lm ≠ FIXT 375 lm - 4000K/CRI 80 - 220-240V

| 2700K | 3000K | 4000K |
|---|---|---|
| Non Dimmable | Non Dimmable | Non Dimmable |
| F02752GA001 | F02753GA001 | F02754GA001 |
| F02752GA006 | F02753GA006 | F02754GA006 |
| F02752GA012 | F02753GA012 | F02754GA012 |
| F02752GA018 | F02753GA018 | F02754GA018 |
| F02752GA030 | F02753GA030 | F02754GA030 |
| F02752GA033 | F02753GA033 | F02754GA033 |

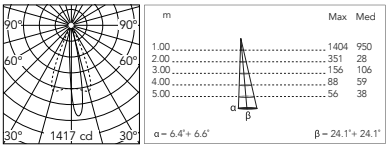



@ 3000K

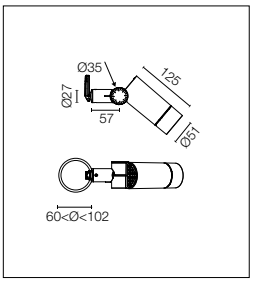
### Optic Wall Washer

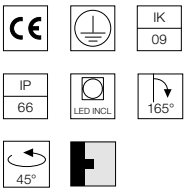
**Power Led:** 5W - 481 lm ≠ FIXT 321 lm - 2700K/CRI 80 - 220-240V / 5W - 493 lm ≠ FIXT 329 lm - 3000K/CRI 80 - 220-240V / 5W - 540 lm ≠ FIXT 360 lm - 4000K/CRI 80 - 220-240V

| 2700K | 3000K | 4000K |
|---|---|---|
| Non Dimmable | Non Dimmable | Non Dimmable |
| F02752HA001 | F02753HA001 | F02754HA001 |
| F02752HA006 | F02753HA006 | F02754HA006 |
| F02752HA012 | F02753HA012 | F02754HA012 |
| F02752HA018 | F02753HA018 | F02754HA018 |
| F02752HA030 | F02753HA030 | F02754HA030 |
| F02752HA033 | F02753HA033 | F02754HA033 |




@ 3000K




Power LED source included. Equipped with an integrated snoot for higher visual comfort. Collimators are available as an accessory to modify the beam opening. Integrated electric power supply 220-240V ON/OFF. Integrated support for pole fixing, for poles with a diameter between 60 and 120 mm and a maximum thickness of 3 mm. Equipped with a 5m neoprene cable (10m upon request) for remote connection. To guarantee its water tightness, it is recommended to use flexible cables designed for outdoor use.

2200K available on request.

DALI dimmable version available on request.

Fuente Power LED incluida. Equipada con snoot integrado para un confort visual mayor. Los colimadores son un accesorio disponible para modificar la apertura del haz lumínico. Fuente de alimentación eléctrica 220-240V ON/OFF integrada. Soporte para la fijación en poste integrad, para postes de 60 a 120 mm de diámetro, espesor máximo de 3 mm. Dotada con sección de cable en neopreno de 5m (10m bajo pedido) para conexión remota; para garantizar la estanqueidad se aconseja emplear cables flexibles para exteriores.

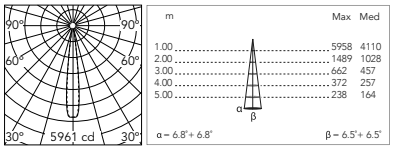
2200K disponible bajo pedido.

Versión regulable Dali disponible bajo pedido.

### Optic Spot 14º

**Power Led:** 5W - 481 lm ≠ FIXT 368 lm - 2700K/CRI 80 - 220-240V / 5W - 493 lm ≠ FIXT 377 lm - 3000K/CRI 80 - 220-240V / 5W - 540 lm ≠ FIXT 413 lm - 4000K/CRI 80 - 220-240V

| 2700K | 3000K | 4000K |
|---|---|---|
| Non Dimmable | Non Dimmable | Non Dimmable |
| F02712BA001 | F02713BA001 | F02714BA001 |
| F02712BA006 | F02713BA006 | F02714BA006 |
| F02712BA012 | F02713BA012 | F02714BA012 |
| F02712BA018 | F02713BA018 | F02714BA018 |
| F02712BA030 | F02713BA030 | F02714BA030 |
| F02712BA033 | F02713BA033 | F02714BA033 |

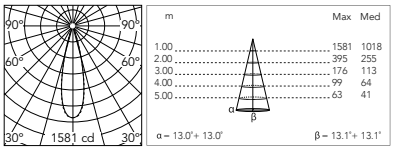



@ 3000K

### Optic Medium Flood 26º

**Power Led:** 5W - 481 lm ≠ FIXT 337 lm - 2700K/CRI 80 - 220-240V / 5W - 493 lm ≠ FIXT 346 lm - 3000K/CRI 80 - 220-240V / 5W - 540 lm ≠ FIXT 378 lm - 4000K/CRI 80 - 220-240V

| 2700K | 3000K | 4000K |
|---|---|---|
| Non Dimmable | Non Dimmable | Non Dimmable |
| F02712CA001 | F02713CA001 | F02714CA001 |
| F02712CA006 | F02713CA006 | F02714CA006 |
| F02712CA012 | F02713CA012 | F02714CA012 |
| F02712CA018 | F02713CA018 | F02714CA018 |
| F02712CA030 | F02713CA030 | F02714CA030 |
| F02712CA033 | F02713CA033 | F02714CA033 |

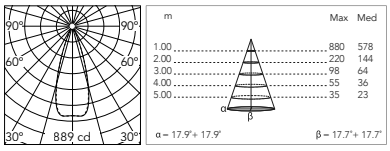



@ 3000K

### Optic Flood 36º

**Power Led:** 5W - 481 lm ≠ FIXT 332 lm - 2700K/CRI 80 - 220-240V / 5W - 493 lm ≠ FIXT 340 lm - 3000K/CRI 80 - 220-240V / 5W - 540 lm ≠ FIXT 373 lm - 4000K/CRI 80 - 220-240V

| 2700K | 3000K | 4000K |
|---|---|---|
| Non Dimmable | Non Dimmable | Non Dimmable |
| F02712DA001 | F02713DA001 | F02714DA001 |
| F02712DA006 | F02713DA006 | F02714DA006 |
| F02712DA012 | F02713DA012 | F02714DA012 |
| F02712DA018 | F02713DA018 | F02714DA018 |
| F02712DA030 | F02713DA030 | F02714DA030 |
| F02712DA033 | F02713DA033 | F02714DA033 |

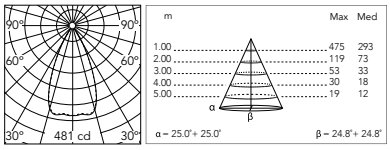



@ 3000K

### Optic Wide Flood 50º

**Power Led:** 5W - 481 lm ≠ FIXT 324 lm - 2700K/CRI 80 - 220-240V / 5W - 493 lm ≠ FIXT 332 lm - 3000K/CRI 80 - 220-240V / 5W - 540 lm ≠ FIXT 363 lm - 4000K/CRI 80 - 220-240V

| 2700K | 3000K | 4000K |
|---|---|---|
| Non Dimmable | Non Dimmable | Non Dimmable |
| F02712EA001 | F02713EA001 | F02714EA001 |
| F02712EA006 | F02713EA006 | F02714EA006 |
| F02712EA012 | F02713EA012 | F02714EA012 |
| F02712EA018 | F02713EA018 | F02714EA018 |
| F02712EA030 | F02713EA030 | F02714EA030 |
| F02712EA033 | F02713EA033 | F02714EA033 |

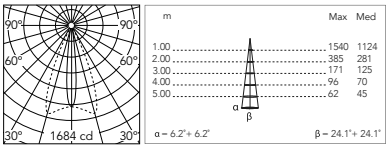



@ 3000K

### Optic Elliptical 1 12º x 50º

**Power Led:** 5W - 481 lm ≠ FIXT 342 lm - 2700K/CRI 80 - 220-240V / 5W - 493 lm ≠ FIXT 350 lm - 3000K/CRI 80 - 220-240V / 5W - 540 lm ≠ FIXT 383 lm - 4000K/CRI 80 - 220-240V

| 2700K | 3000K | 4000K |
|---|---|---|
| Non Dimmable | Non Dimmable | Non Dimmable |
| ○ F02712FA001 | ○ F02713FA001 | ○ F02714FA001 |
| ● F02712FA006 | ● F02713FA006 | ● F02714FA006 |
| ● F02712FA012 | ● F02713FA012 | ● F02714FA012 |
| ● F02712FA018 | ● F02713FA018 | ● F02714FA018 |
| ● F02712FA030 | ● F02713FA030 | ● F02714FA030 |
| ● F02712FA033 | ● F02713FA033 | ● F02714FA033 |

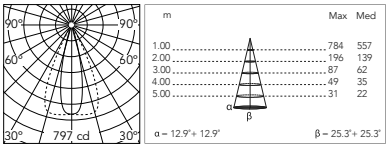



@ 3000K

### Optic Elliptical 2 26º x 51º

**Power Led:** 5W - 481 lm ≠ FIXT 334 lm - 2700K/CRI 80 - 220-240V / 5W - 493 lm ≠ FIXT 342 lm - 3000K/CRI 80 - 220-240V / 5W - 540 lm ≠ FIXT 375 lm - 4000K/CRI 80 - 220-240V

| 2700K | 3000K | 4000K |
|---|---|---|
| Non Dimmable | Non Dimmable | Non Dimmable |
| ○ F02712GA001 | ○ F02713GA001 | ○ F02714GA001 |
| ● F02712GA006 | ● F02713GA006 | ● F02714GA006 |
| ● F02712GA012 | ● F02713GA012 | ● F02714GA012 |
| ● F02712GA018 | ● F02713GA018 | ● F02714GA018 |
| ● F02712GA030 | ● F02713GA030 | ● F02714GA030 |
| ● F02712GA033 | ● F02713GA033 | ● F02714GA033 |

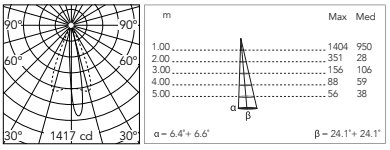



@ 3000K

### Optic Wall Washer

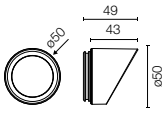
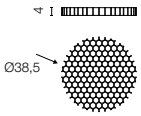
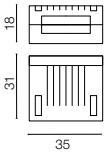
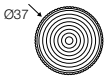
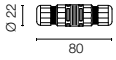
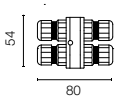
**Power Led:** 5W - 481 lm ≠ FIXT 321 lm - 2700K/CRI 80 - 220-240V / 5W - 493 lm ≠ FIXT 329 lm - 3000K/CRI 80 - 220-240V / 5W - 540 lm ≠ FIXT 360 lm - 4000K/CRI 80 - 220-240V

| 2700K | 3000K | 4000K |
|---|---|---|
| Non Dimmable | Non Dimmable | Non Dimmable |
| ○ F02712HA001 | ○ F02713HA001 | ○ F02714HA001 |
| ● F02712HA006 | ● F02713HA006 | ● F02714HA006 |
| ● F02712HA012 | ● F02713HA012 | ● F02714HA012 |
| ● F02712HA018 | ● F02713HA018 | ● F02714HA018 |
| ● F02712HA030 | ● F02713HA030 | ● F02714HA030 |
| ● F02712HA033 | ● F02713HA033 | ● F02714HA033 |

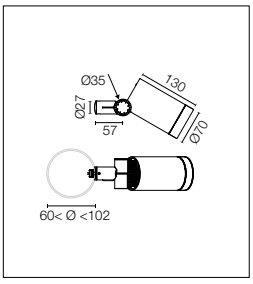


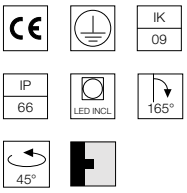

@ 3000K

## Spine T 0 Ultra: Accessories / Accesorios

| | | | | |
|---|---|---|---|---|
| Visor | Visor | ○ F027Z050001<br>● F027Z050006<br>● F027Z050012<br>● F027Z050018<br>● F027Z050030<br>● F027Z050033 | |  |
| Honeycomb | Honeycomb Louvre | F027Z060000 | |  |
| Gelbox IPX8 for splicing connectors. | Caja de gel IPX8 para la conexión eléctrica. | F990C100000 | |  |
| Converter lenses / Llentes de conversión:<br>- Converter Spine 1 Optic Medium Flood<br>- Converter Spine 1 Optic Flood<br>- Converter Spine 1 Optic Wide Flood<br>- Converter Spine 1 Optic Elliptic 1<br>- Converter Spine 1 Optic Elliptic 2<br>- Converter Spine 1 Optic Wall Washer | | <br>F029Z010000<br>F029Z011000<br>F029Z012000<br>F029Z013000<br>F029Z014000<br>F029Z015000 | |  |
| 2 way terminal block 4 poles IP68 H2O Stop. | Bloque de terminales IP68 H2O Stop anticondensación con 2 vías y 4 polos. | F990C00A000 | |  |
| 3/4 way terminal block 4 poles IP68 H2O Stop. (ø5,5÷12mm cable). | Bloque de terminales IP68 H2O Stop anticondensación con 3/4 vías y 4 polos. (Cable ø5,5÷12 mm). | F990C010000 | |  |

## Spine T 1 Absolute



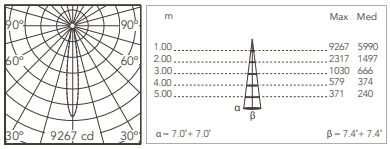

LED COB light source integrated. Integrated electric power supply 220-240V ON/OFF. Integrated support for pole fixing, for poles with a diameter between 60 and 120 mm and a maximum thickness of 3 mm. Equipped with a 5m neoprene cable (10m upon request) for remote connection. To guarantee its water tightness, it is recommended to use flexible cables designed for outdoor use.
Upon request: 1-10V or DALI dimmable version with 24Vdc remote power supply.

Fuente LED COB integrada. Fuente de alimentación eléctrica 220-240V ON/OFF integrada. Soporte para la fijación en poste integrado, para postes de 60 a 120 mm de diámetro, espesor máximo de 3 mm. Dotada con sección de cable en neopreno de 5m (10m bajo pedido) para conexión remota; para garantizar la estanqueidad se aconseja emplear cables flexibles para exteriores.
Bajo petición, versión regulable 1-10V o DALI con fuente de alimentación remota 24Vdc.

### Optic Spot 15º

**CoB Led:** 11W - 1247 lm ≠ FIXT 923 lm - 2700K/CRI 80 - 220-240V / 11W - 1325 lm ≠ FIXT 982 lm - 3000K/CRI 80 - 220-240V / 11W - 1364 lm ≠ FIXT 1011 lm - 4000K/CRI 80 - 220-240V

| 2700K<br>Non Dimmable | 3000K<br>Non Dimmable | 4000K<br>Non Dimmable |
|---|---|---|
| ○ F02502BA001 | ○ F02503BA001 | ○ F02504BA001 |
| ● F02502BA006 | ● F02503BA006 | ● F02504BA006 |
| ● F02502BA012 | ● F02503BA012 | ● F02504BA012 |
| ● F02502BA018 | ● F02503BA018 | ● F02504BA018 |
| ● F02502BA030 | ● F02503BA030 | ● F02504BA030 |
| ● F02502BA033 | ● F02503BA033 | ● F02504BA033 |

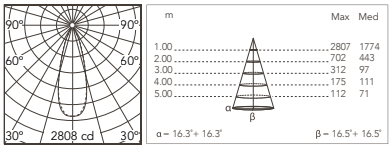



@ 3000K

### Optic Medium Flood 33º

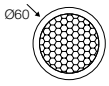
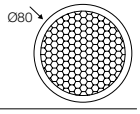
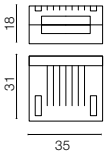
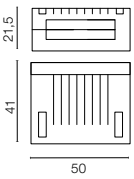
**CoB Led:** 11W - 1247 lm ≠ FIXT 906 lm - 2700K/CRI 80 - 220-240V / 11W - 1325 lm ≠ FIXT 964 lm - 3000K/CRI 80 - 220-240V / 11W - 1364 lm ≠ FIXT 993 lm - 4000K/CRI 80 - 220-240V

| 2700K<br>Non Dimmable | 3000K<br>Non Dimmable | 4000K<br>Non Dimmable |
|---|---|---|
| ○ F02502CA001 | ○ F02503CA001 | ○ F02504CA001 |
| ● F02502CA006 | ● F02503CA006 | ● F02504CA006 |
| ● F02502CA012 | ● F02503CA012 | ● F02504CA012 |
| ● F02502CA018 | ● F02503CA018 | ● F02504CA018 |
| ● F02502CA030 | ● F02503CA030 | ● F02504CA030 |
| ● F02502CA033 | ● F02503CA033 | ● F02504CA033 |

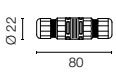
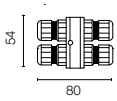


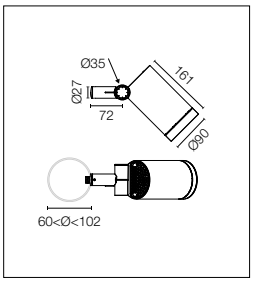

@ 3000K

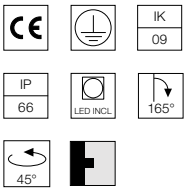
## Spine T 1 / T 2 Absolute: Accessories / Accesorios

| | | | | |
|---|---|---|---|---|
| Honeycomb | Honeycomb Louvre | Spine T 1<br>F025Z060000 | |  |
| Honeycomb | Honeycomb Louvre | Spine T 2<br>F026Z060000 | |  |
| Gelbox IPX8 for splicing connectors. | Caja de gel IPX8 para la conexión eléctrica. | Spine T 1<br>F990C100000 | |  |
| Gelbox IPX8 for splicing connectors. | Caja de gel IPX8 para la conexión eléctrica. | Spine T 2<br>F990C110000 | |  |

## Spine T 1 / T 2 Absolute: Accessories for non-dimmable versions / Accesorios para las versiones no dimables

| | | | | |
|---|---|---|---|---|
| 2 way terminal block 4 poles IP68 H2O Stop. | Bloque de terminales IP68 H2O Stop anticondensación con 2 vías y 4 polos. | F990C00A000 | |  |
| 3/4 way terminal block 4 poles IP68 H2O Stop. (ø5,5÷12mm cable). | Bloque de terminales IP68 H2O Stop anticondensación con 3/4 vías y 4 polos. (Cable ø5,5÷12 mm). | F990C010000 | |  |



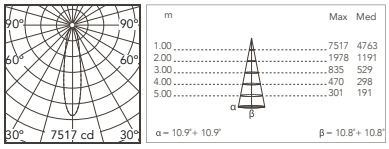

LED COB light source integrated. Integrated electric power supply 220-240V ON/OFF and adjustable 1-10V or DALI. Integrated support for pole fixing, for poles with a diameter between 60 and 120 mm and a maximum thickness of 3 mm. Equipped with a 5m neoprene cable (10m upon request) for remote connection. To guarantee its water tightness, it is recommended to use flexible cables designed for outdoor use.

Fuente LED COB integrada. Fuente de alimentación eléctrica 220-240V ON/OFF y regulable 1-10V o DALI integrada. Soporte para la fijación en poste integrad, para postes de 60 a 120 mm de diámetro, espesor máximo de 3 mm. Dotada con sección de cable en neopreno de 5m (10m bajo pedido) para conexión remota; para garantizar la estanqueidad se aconseja emplear cables flexibles para exteriores.

### Optic Spot 22º

**CoB Led:** 19,5W - 2197 lm ≠ FIXT 1939 lm - 2700K/CRI 80 - 220-240V / 19,5W - 2367 lm ≠ FIXT 2085 lm - 3000K/CRI 80 - 220-240V / 19,5W - 2497 lm ≠ FIXT 2120 lm - 4000K/CRI 80 - 220-240V

| 2700K | 3000K | 4000K |
|---|---|---|
| Non Dimmable | Non Dimmable | Non Dimmable |
| F02602BA001.A | F02603BA001.A | F02604BA001.A |
| F02602BA006.A | F02603BA006.A | F02604BA006.A |
| F02602BA012.A | F02603BA012.A | F02604BA012.A |
| F02602BA018.A | F02603BA018.A | F02604BA018.A |
| F02602BA030.A | F02603BA030.A | F02604BA030.A |
| F02602BA033.A | F02603BA033.A | F02604BA033.A |
| 1-10V | 1-10V | 1-10V |
| F02602BB001.A | F02603BB001.A | F02604BB001.A |
| F02602BB006.A | F02603BB006.A | F02604BB006.A |
| F02602BB012.A | F02603BB012.A | F02604BB012.A |
| F02602BB018.A | F02603BB018.A | F02604BB018.A |
| F02602BB030.A | F02603BB030.A | F02604BB030.A |
| F02602BB033.A | F02603BB033.A | F02604BB033.A |
| Dali | Dali | Dali |
| F02602BD001.A | F02603BD001.A | F02604BD001.A |
| F02602BD006.A | F02603BD006.A | F02604BD006.A |
| F02602BD012.A | F02603BD012.A | F02604BD012.A |
| F02602BD018.A | F02603BD018.A | F02604BD018.A |
| F02602BD030.A | F02603BD030.A | F02604BD030.A |
| F02602BD033.A | F02603BD033.A | F02604BD033.A |

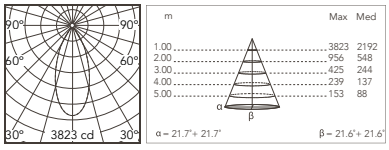



@ 3000K

### Optic Medium Flood 43º

**CoB Led:** 19,5W - 2197 lm ≠ FIXT 2026 lm - 2700K/CRI 80 - 220-240V / 19,5W - 2367 lm ≠ FIXT 2178 lm - 3000K/CRI 80 - 220-240V / 19,5W - 2497 lm ≠ FIXT 2298 lm - 4000K/CRI 80 - 220-240V

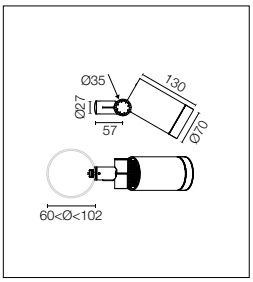
| 2700K | 3000K | 4000K |
|---|---|---|
| Non Dimmable | Non Dimmable | Non Dimmable |
| F02602CA001.A | F02603CA001.A | F02604CA001 |
| F02602CA006.A | F02603CA006.A | F02604CA006 |
| F02602CA012.A | F02603CA012.A | F02604CA012 |
| F02602CA018.A | F02603CA018.A | F02604CA018 |
| F02602CA030.A | F02603CA030.A | F02604CA030 |
| F02602CA033.A | F02603CA033.A | F02604CA033 |
| 1-10V | 1-10V | 1-10V |
| F02602CB001.A | F02603CB001.A | F02604CB001.A |
| F02602CB006.A | F02603CB006.A | F02604CB006.A |
| F02602CB012.A | F02603CB012.A | F02604CB012.A |
| F02602CB018.A | F02603CB018.A | F02604CB018.A |
| F02602CB030.A | F02603CB030.A | F02604CB030.A |
| F02602CB033.A | F02603CB033.A | F02604CB033.A |
| Dali | Dali | Dali |
| F02602CD001.A | F02603CD001.A | F02604CD001.A |
| F02602CD006.A | F02603CD006.A | F02604CD006.A |
| F02602CD012.A | F02603CD012.A | F02604CD012.A |
| F02602CD018.A | F02603CD018.A | F02604CD018.A |
| F02602CD030.A | F02603CD030.A | F02604CD030.A |
| F02602CD033.A | F02603CD033.A | F02604CD033V |

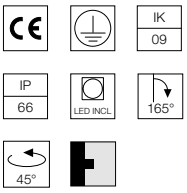



@ 3000K

## Spine T 2 Absolute: Accessories for dimmable versions / Accesorios para versiones dimables

| | | | |
|---|---|---|---|
| Connector kit 5-pole flying socket + EU plug IP68. | Kit de conectores de 5 polos enchufe volante + enchufe UE IP68. | F990C080000 | |
| 4 way junction box 5 poles IP68 (6-14 mm cables). | Caja de derivación de 5 polos y 4 vías IP68 (cables de 6-14 mm). | F990C030000 | |




Power LED source included. Equipped with an integrated snoot for higher visual comfort. Collimators are available as an accessory to modify the beam opening. Integrated electric power supply 220-240V ON/OFF. Integrated support for pole fixing, for poles with a diameter between 60 and 120 mm and a maximum thickness of 3 mm. Equipped with a 5m neoprene cable (10m upon request) for remote connection. To guarantee its water tightness, it is recommended to use flexible cables designed for outdoor use. Upon request: 1-10V or DALI dimmable version with 24Vdc remote power supply.

2200K available on request.

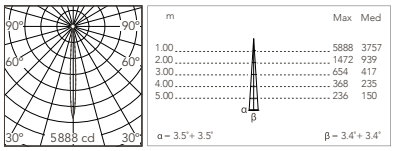
Fuente Power LED incluida. Equipada con snoot integrado para un confort visual mayor. Los colimadores son un accesorio disponible para modificar la apertura del haz lumínico. Fuente de alimentación eléctrica 220-240V ON/OFF integrada. Soporte para la fijación en poste integrad, para postes de 60 a 120 mm de diámetro, espesor máximo de 3 mm. Dotada con sección de cable en neopreno de 5m (10m bajo pedido) para conexión remota; para garantizar la estanqueidad se aconseja emplear cables flexibles para exteriores. Bajo petición, versión regulable 1-10V o DALI con fuente de alimentación remota 24Vdc.

2200K disponible bajo pedido.

### Optic Narrow Spot 7º

**Power Led:** 3,5W - 168 lm ≠ FIXT 143 lm - 2700K/CRI 80 - 220-240V / 3,5W - 174 lm ≠ FIXT 149 lm - 3000K/CRI 80 - 220-240V / 3,5W - 180 lm ≠ FIXT 154 lm - 4000K/CRI 80 - 220-240V

| 2700K | 3000K | 4000K |
|---|---|---|
| Non Dimmable | Non Dimmable | Non Dimmable |
| ○ F02552AA001 | ○ F02553AA001 | ○ F02554AA001 |
| ● F02552AA006 | ● F02553AA006 | ● F02554AA006 |
| ● F02552AA012 | ● F02553AA012 | ● F02554AA012 |
| ● F02552AA018 | ● F02553AA018 | ● F02554AA018 |
| ● F02552AA030 | ● F02553AA030 | ● F02554AA030 |
| ● F02552AA033 | ● F02553AA033 | ● F02554AA033 |

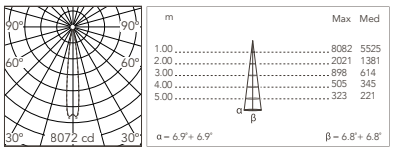



@ 3000K

### Optic Spot 14º

**Power Led:** 7,9W - 671 lm ≠ FIXT 550 lm - 2700K/CRI 80 - 220-240V / 7,9W - 696 lm ≠ FIXT 571 lm - 3000K/CRI 80 - 220-240V / 7,9W - 720 lm ≠ FIXT 591 lm - 4000K/CRI 80 - 220-240V

| 2700K | 3000K | 4000K |
|---|---|---|
| Non Dimmable | Non Dimmable | Non Dimmable |
| ○ F02552BA001 | ○ F02553BA001 | ○ F02554BA001 |
| ● F02552BA006 | ● F02553BA006 | ● F02554BA006 |
| ● F02552BA012 | ● F02553BA012 | ● F02554BA012 |
| ● F02552BA018 | ● F02553BA018 | ● F02554BA018 |
| ● F02552BA030 | ● F02553BA030 | ● F02554BA030 |
| ● F02552BA033 | ● F02553BA033 | ● F02554BA033 |

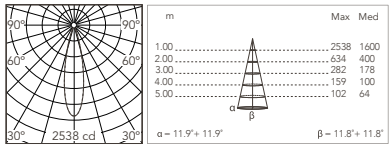



@ 3000K

### Optic Medium Flood 24,5º

**Power Led:** 7,9W - 671 lm ≠ FIXT 499 lm - 2700K/CRI 80 - 220-240V / 7,9W - 696 lm ≠ FIXT 518 lm - 3000K/CRI 80 - 220-240V / 7,9W - 720 lm ≠ FIXT 536 lm - 4000K/CRI 80 - 220-240V

| 2700K | 3000K | 4000K |
|---|---|---|
| Non Dimmable | Non Dimmable | Non Dimmable |
| ○ F02552CA001 | ○ F02553CA001 | ○ F02554CA001 |
| ● F02552CA006 | ● F02553CA006 | ● F02554CA006 |
| ● F02552CA012 | ● F02553CA012 | ● F02554CA012 |
| ● F02552CA018 | ● F02553CA018 | ● F02554CA018 |
| ● F02552CA030 | ● F02553CA030 | ● F02554CA030 |
| ● F02552CA033 | ● F02553CA033 | ● F02554CA033 |

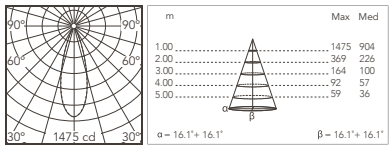



@ 3000K

### Optic Flood 32º

**Power Led:** 7,9W - 671 lm ≠ FIXT 482 lm - 2700K/CRI 80 - 220-240V / 7,9W - 696 lm ≠ FIXT 500 lm - 3000K/CRI 80 - 220-240V / 7,9W - 720 lm ≠ FIXT 518 lm - 4000K/CRI 80 - 220-240V

| 2700K | 3000K | 4000K |
|---|---|---|
| Non Dimmable | Non Dimmable | Non Dimmable |
| ○ F02552DA001 | ○ F02553DA001 | ○ F02554DA001 |
| ● F02552DA006 | ● F02553DA006 | ● F02554DA006 |
| ● F02552DA012 | ● F02553DA012 | ● F02554DA012 |
| ● F02552DA018 | ● F02553DA018 | ● F02554DA018 |
| ● F02552DA030 | ● F02553DA030 | ● F02554DA030 |
| ● F02552DA033 | ● F02553DA033 | ● F02554DA033 |

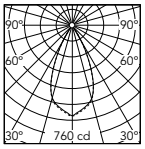


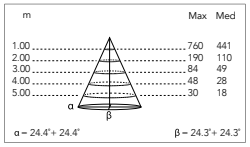

@ 3000K

### Optic Wide Flood 49º

**Power Led:** 7,9W - 671 lm ≠ FIXT 480 lm - 2700K/CRI 80 - 220-240V / 7,9W - 696 lm ≠ FIXT 490 lm - 3000K/CRI 80 - 220-240V / 7,9W - 720 lm ≠ FIXT 505 lm - 4000K/CRI 80 - 220-240V

| 2700K | 3000K | 4000K |
|---|---|---|
| Non Dimmable | Non Dimmable | Non Dimmable |
| F02552EA001 | F02553EA001 | F02554EA001 |
| F02552EA006 | F02553EA006 | F02554EA006 |
| F02552EA012 | F02553EA012 | F02554EA012 |
| F02552EA018 | F02553EA018 | F02554EA018 |
| F02552EA030 | F02553EA030 | F02554EA030 |
| F02552EA033 | F02553EA033 | F02554EA033 |



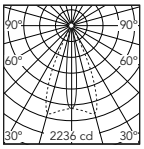



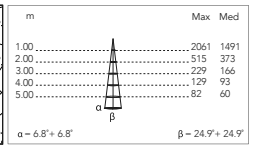

@ 3000K

### Optic Elliptical 1 13,5º x 50º

**Power Led:** 7,9W - 671 lm ≠ FIXT 500 lm - 2700K/CRI 80 - 220-240V / 7,9W - 696 lm ≠ FIXT 519 lm - 3000K/CRI 80 - 220-240V / 7,9W - 720 lm ≠ FIXT 537 lm - 4000K/CRI 80 - 220-240V

| 2700K | 3000K | 4000K |
|---|---|---|
| Non Dimmable | Non Dimmable | Non Dimmable |
| F02552FA001 | F02553FA001 | F02554FA001 |
| F02552FA006 | F02553FA006 | F02554FA006 |
| F02552FA012 | F02553FA012 | F02554FA012 |
| F02552FA018 | F02553FA018 | F02554FA018 |
| F02552FA030 | F02553FA030 | F02554FA030 |
| F02552FA033 | F02553FA033 | F02554FA033 |



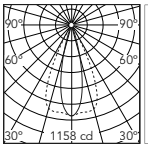



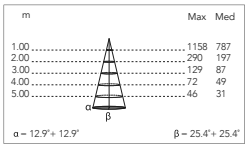

@ 3000K

### Optic Elliptical 2 26º x 51º

**Power Led:** 7,9W - 671 lm ≠ FIXT 487 lm - 2700K/CRI 80 - 220-240V / 7,9W - 696 lm ≠ FIXT 505 lm - 3000K/CRI 80 - 220-240V / 7,9W - 720 lm ≠ FIXT 523 lm - 4000K/CRI 80 - 220-240V

| 2700K | 3000K | 4000K |
|---|---|---|
| Non Dimmable | Non Dimmable | Non Dimmable |
| F02552GA001 | F02553GA001 | F02554GA001 |
| F02552GA006 | F02553GA006 | F02554GA006 |
| F02552GA012 | F02553GA012 | F02554GA012 |
| F02552GA018 | F02553GA018 | F02554GA018 |
| F02552GA030 | F02553GA030 | F02554GA030 |
| F02552GA033 | F02553GA033 | F02554GA033 |



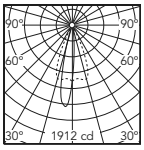



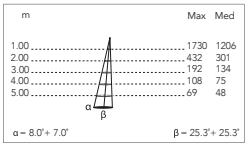

@ 3000K

### Optic Wall Washer

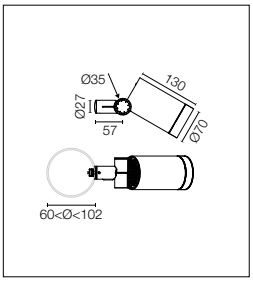
**Power Led:** 7,9W - 671 lm ≠ FIXT 471 lm - 2700K/CRI 80 - 220-240V / 7,9W - 696 lm ≠ FIXT 489 lm - 3000K/CRI 80 - 220-240V / 7,9W - 720 lm ≠ FIXT 506 lm - 4000K/CRI 80 - 220-240V

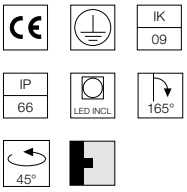
| 2700K | 3000K | 4000K |
|---|---|---|
| Non Dimmable | Non Dimmable | Non Dimmable |
| F02552HA001 | F02553HA001 | F02554HA001 |
| F02552HA006 | F02553HA006 | F02554HA006 |
| F02552HA012 | F02553HA012 | F02554HA012 |
| F02552HA018 | F02553HA018 | F02554HA018 |
| F02552HA030 | F02553HA030 | F02554HA030 |
| F02552HA033 | F02553HA033 | F02554HA033 |




@ 3000K



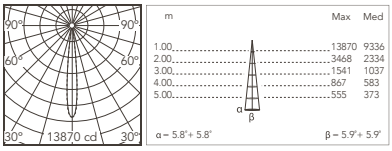

Energy-efficient Power LED source included Equipped with an integrated snoot for higher visual comfort. Collimators are available as an accessory to modify the beam opening. Integrated electric power supply 220-240V ON/OFF. Integrated support for pole fixing, for poles with a diameter between 60 and 120 mm and a maximum thickness of 3 mm. Equipped with a 5m neoprene cable (10m upon request) for remote connection. To guarantee its water tightness, it is recommended to use flexible cables designed for outdoor use.
Upon request: 1-10V or DALI dimmable version with 24Vdc remote power supply.

Fuente Power LED de bajo consumo incluida. Equipada con snoot integrado para un confort visual mayor. Los colimadores son un accesorio disponible para modificar la apertura del haz lumínico. Fuente de alimentación eléctrica 220-240V ON/OFF integrada. Soporte para la fijación en poste integrad, para postes de 60 a 120 mm de diámetro, espesor máximo de 3 mm. Dotada con sección de cable en neopreno de 5m (10m bajo pedido) para conexión remota; para garantizar la estanqueidad se aconseja emplear cables flexibles para exteriores. Bajo petición, versión regulable 1-10V o DALI con fuente de alimentación remota 24Vdc.

### Optic Spot 12º

**Power Led:** 10,5W - 920 lm ≠ FIXT 680 lm - 2700K/CRI 80 - 220-240V / 10,5W - 966 lm ≠ FIXT 706 lm - 3000K/CRI 80 - 220-240V / 10,5W - 1012 lm ≠ FIXT 730 lm - 4000K/CRI 80 - 220-240V

| 2700K | 3000K | 4000K |
|---|---|---|
| Non Dimmable | Non Dimmable | Non Dimmable |
| ○ F02562BA001 | ○ F02563BA001 | ○ F02564BA001 |
| ● F02562BA006 | ● F02563BA006 | ● F02564BA006 |
| ● F02562BA012 | ● F02563BA012 | ● F02564BA012 |
| ● F02562BA018 | ● F02563BA018 | ● F02564BA018 |
| ● F02562BA030 | ● F02563BA030 | ● F02564BA030 |
| ● F02562BA033 | ● F02563BA033 | ● F02564BA033 |

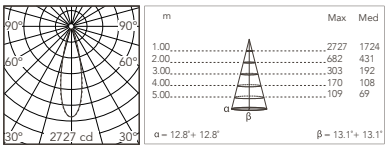



@ 3000K

### Optic Medium Flood 26,5º

**Power Led:** 10,5W - 920 lm ≠ FIXT 594 lm - 2700K/CRI 80 - 220-240V / 10,5W - 966 lm ≠ FIXT 630 lm - 3000K/CRI 80 - 220-240V / 10,5W - 1012 lm ≠ FIXT 654 lm - 4000K/CRI 80 - 220-240V

| 2700K | 3000K | 4000K |
|---|---|---|
| Non Dimmable | Non Dimmable | Non Dimmable |
| ○ F02562CA001 | ○ F02563CA001 | ○ F02564CA001 |
| ● F02562CA006 | ● F02563CA006 | ● F02564CA006 |
| ● F02562CA012 | ● F02563CA012 | ● F02564CA012 |
| ● F02562CA018 | ● F02563CA018 | ● F02564CA018 |
| ● F02562CA030 | ● F02563CA030 | ● F02564CA030 |
| ● F02562CA033 | ● F02563CA033 | ● F02564CA033 |

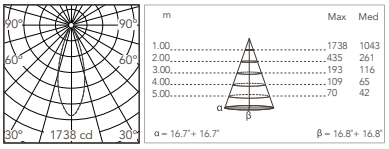



@ 3000K

### Optic Flood 33,5º

**Power Led:** 10,5W - 920 lm ≠ FIXT 592 lm - 2700K/CRI 80 - 220-240V / 10,5W - 966 lm ≠ FIXT 627 lm - 3000K/CRI 80 - 220-240V / 10,5W - 1012 lm ≠ FIXT 651 lm - 4000K/CRI 80 - 220-240V

| 2700K | 3000K | 4000K |
|---|---|---|
| Non Dimmable | Non Dimmable | Non Dimmable |
| ○ F02562DA001 | ○ F02563DA001 | ○ F02564DA001 |
| ● F02562DA006 | ● F02563DA006 | ● F02564DA006 |
| ● F02562DA012 | ● F02563DA012 | ● F02564DA012 |
| ● F02562DA018 | ● F02563DA018 | ● F02564DA018 |
| ● F02562DA030 | ● F02563DA030 | ● F02564DA030 |
| ● F02562DA033 | ● F02563DA033 | ● F02564DA033 |

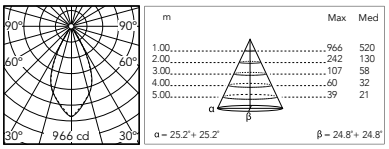



@ 3000K

### Optic Wide Flood 50º

**Power Led:** 10,5W - 920 lm ≠ FIXT 591 lm - 2700K/CRI 80 - 220-240V / 10,5W - 966 lm ≠ FIXT 619 lm - 3000K/CRI 80 - 220-240V / 10,5W - 1012 lm ≠ FIXT 650 lm - 4000K/CRI 80 - 220-240V

| 2700K | 3000K | 4000K |
|---|---|---|
| Non Dimmable | Non Dimmable | Non Dimmable |
| ○ F02562EA001 | ○ F02563EA001 | ○ F02564EA001 |
| ● F02562EA006 | ● F02563EA006 | ● F02564EA006 |
| ● F02562EA012 | ● F02563EA012 | ● F02564EA012 |
| ● F02562EA018 | ● F02563EA018 | ● F02564EA018 |
| ● F02562EA030 | ● F02563EA030 | ● F02564EA030 |
| ● F02562EA033 | ● F02563EA033 | ● F02564EA033 |



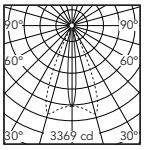

@ 3000K

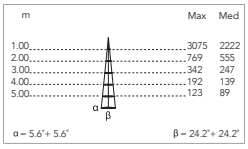
## Spine T 1 Pro Hp

### Optic Elliptical 1 11,5º x 49º

**Power Led:** 10,5W - 920 lm ≠ FIXT 603 lm - 2700K/CRI 80 - 220-240V / 10,5W - 966 lm ≠ FIXT 639 lm - 3000K/CRI 80 - 220-240V / 10,5W - 1012 lm ≠ FIXT 663 lm - 4000K/CRI 80 - 220-240V

| 2700K | 3000K | 4000K |
|---|---|---|
| Non Dimmable | Non Dimmable | Non Dimmable |
| ○ F02562FA001 | ○ F02563FA001 | ○ F02564FA001 |
| ● F02562FA006 | ● F02563FA006 | ● F02564FA006 |
| ● F02562FA012 | ● F02563FA012 | ● F02564FA012 |
| ● F02562FA018 | ● F02563FA018 | ● F02564FA018 |
| ● F02562FA030 | ● F02563FA030 | ● F02564FA030 |
| ● F02562FA033 | ● F02563FA033 | ● F02564FA033 |



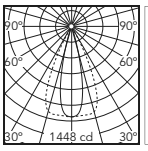



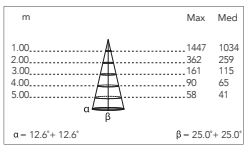

@ 3000K

### Optic Elliptical 2 25,5º x 50º

**Power Led:** 10,5W - 920 lm ≠ FIXT 601 lm - 2700K/CRI 80 - 220-240V / 10,5W - 966 lm ≠ FIXT 624 lm - 3000K/CRI 80 - 220-240V / 10,5W - 1012 lm ≠ FIXT 645 lm - 4000K/CRI 80 - 220-240V

| 2700K | 3000K | 4000K |
|---|---|---|
| Non Dimmable | Non Dimmable | Non Dimmable |
| ○ F02562GA001 | ○ F02563GA001 | ○ F02564GA001 |
| ● F02562GA006 | ● F02563GA006 | ● F02564GA006 |
| ● F02562GA012 | ● F02563GA012 | ● F02564GA012 |
| ● F02562GA018 | ● F02563GA018 | ● F02564GA018 |
| ● F02562GA030 | ● F02563GA030 | ● F02564GA030 |
| ● F02562GA033 | ● F02563GA033 | ● F02564GA033 |



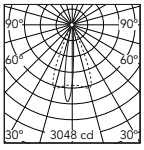



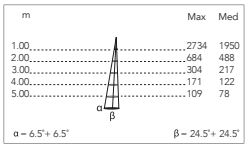

@ 3000K

### Optic Wall Washer

**Power Led:** 10,5W - 920 lm ≠ FIXT 574 lm - 2700K/CRI 80 - 220-240V / 10,5W - 966 lm ≠ FIXT 609 lm - 3000K/CRI 80 - 220-240V / 10,5W - 1012 lm ≠ FIXT 631 lm - 4000K/CRI 80 - 220-240V

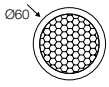
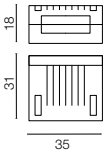
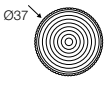
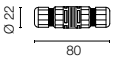
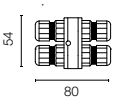
| 2700K | 3000K | 4000K |
|---|---|---|
| Non Dimmable | Non Dimmable | Non Dimmable |
| ○ F02562HA001 | ○ F02563HA001 | ○ F02564HA001 |
| ● F02562HA006 | ● F02563HA006 | ● F02564HA006 |
| ● F02562HA012 | ● F02563HA012 | ● F02564HA012 |
| ● F02562HA018 | ● F02563HA018 | ● F02564HA018 |
| ● F02562HA030 | ● F02563HA030 | ● F02564HA030 |
| ● F02562HA033 | ● F02563HA033 | ● F02564HA033 |

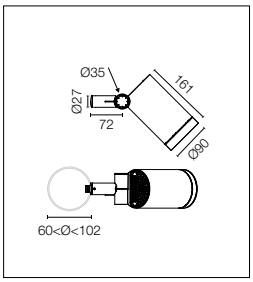


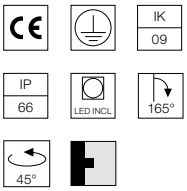




@ 3000K

## Spine T 1 Pro: Accessories / Accesorios

| | | | | |
|---|---|---|---|---|
| Honeycomb | Honeycomb Louvre | F025Z060000 | |   |
| Gelbox IPX8 for splicing connectors. | Caja de gel IPX8 para la conexión eléctrica. | F990C100000 | |   |
| Converter lenses / Llentes de conversión:<br>- Converter Spine 1 Optic Medium Flood<br>- Converter Spine 1 Optic Flood<br>- Converter Spine 1 Optic Wide Flood<br>- Converter Spine 1 Optic Elliptic 1<br>- Converter Spine 1 Optic Elliptic 2<br>- Converter Spine 1 Optic Wall Washer | | <br>F029Z010000<br>F029Z011000<br>F029Z012000<br>F029Z013000<br>F029Z014000<br>F029Z015000 | |   |
| 2 way terminal block 4 poles IP68 H2O Stop. | Bloque de terminales IP68 H2O Stop anticondensación con 2 vías y 4 polos. | F990C00A000 | |   |
| 3/4 way terminal block 4 poles IP68 H2O Stop. (ø5,5÷12mm cable). | Bloque de terminales IP68 H2O Stop anticondensación con 3/4 vías y 4 polos. (Cable ø5,5÷12 mm). | F990C010000 | |   |




Power LED source included. Equipped with an integrated snoot for higher visual comfort. Collimators are available as an accessory to modify the beam opening. Integrated electric power supply 220-240V ON/OFF and adjustable 1-10V or DALI. Integrated support for pole fixing, for poles with a diameter between 60 and 120 mm and a maximum thickness of 3 mm. Equipped with a 5m neoprene cable (10m upon request) for remote connection. To guarantee its water tightness, it is recommended to use flexible cables designed for outdoor use.

Optic Narrow Spot

2200K available on request.

Fuente Power LED incluida. Equipada con snoot integrado para un confort visual mayor. Los colimadores son un accesorio disponible para modificar la apertura del haz lumínico. Fuente de alimentación eléctrica 220-240V ON/OFF y regulable 1-10V o DALI integrada. Soporte para la fijación en poste integrad, para postes de 60 a 120 mm de diámetro, espesor máximo de 3 mm. Dotada con sección de cable en neopreno de 5m (10m bajo pedido) para conexión remota; para garantizar la estanqueidad se aconseja emplear cables flexibles para exteriores.

Optic Narrow Spot

2200K disponible bajo pedido.

### Optic Narrow Spot 6º

**Power Led:** 4,1W - 248 lm ≠ FIXT 230 lm - 2700K/CRI 80 - 220-240V / 4,1W - 258 lm ≠ FIXT 239 lm - 3000K/CRI 80 - 220-240V / 4,1W - 267 lm ≠ FIXT 247 lm - 4000K/CRI 80 - 220-240V

**2700K**

Non Dimmable
- F02652AA001
- F02652AA006
- F02652AA012
- F02652AA018
- F02652AA030
- F02652AA033

1-10V
- F02652AB001
- F02652AB006
- F02652AB012
- F02652AB018
- F02652AB030
- F02652AB033

Dali
- F02652AD001
- F02652AD006
- F02652AD012
- F02652AD018
- F02652AD030
- F02652AD033

**3000K**

Non Dimmable
- F02653AA001
- F02653AA006
- F02653AA012
- F02653AA018
- F02653AA030
- F02653AA033

1-10V
- F02653AB001
- F02653AB006
- F02653AB012
- F02653AB018
- F02653AB030
- F02653AB033

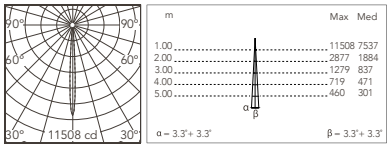
Dali
- F02653AD001
- F02653AD006
- F02653AD012
- F02653AD018
- F02653AD030
- F02653AD033

**4000K**

Non Dimmable
- F02654AA001
- F02654AA006
- F02654AA012
- F02654AA018
- F02654AA030
- F02654AA033

1-10V
- F02654AB001
- F02654AB006
- F02654AB012
- F02654AB018
- F02654AB030
- F02654AB033

Dali
- F02654AD001
- F02654AD006
- F02654AD012
- F02654AD018
- F02654AD030
- F02654AD033




@ 3000K

### Optic Spot 9,5º

**Power Led:** 10,5W - 920 lm ≠ FIXT 769 lm - 2700K/CRI 80 - 220-240Vv / 10,5W - 966 lm ≠ FIXT 808 lm - 3000K/CRI 80 - 220-240V / 10,5W - 1012 lm ≠ FIXT 846 lm - 4000K/CRI 80 - 220-240V

**2700K**

Non Dimmable
- F02652BA001
- F02652BA006
- F02652BA012
- F02652BA018
- F02652BA030
- F02652BA033

1-10V
- F02652BB001
- F02652BB006
- F02652BB012
- F02652BB018
- F02652BB030
- F02652BB033

Dali
- F02652BD001
- F02652BD006
- F02652BD012
- F02652BD018
- F02652BD030
- F02652BD033

**3000K**

Non Dimmable
- F02653BA001
- F02653BA006
- F02653BA012
- F02653BA018
- F02653BA030
- F02653BA033

1-10V
- F02653BB001
- F02653BB006
- F02653BB012
- F02653BB018
- F02653BB030
- F02653BB033

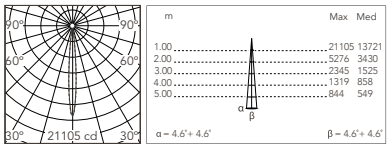
Dali
- F02653BD001
- F02653BD006
- F02653BD012
- F02653BD018
- F02653BD030
- F02653BD033

**4000K**

Non Dimmable
- F02654BA001
- F02654BA006
- F02654BA012
- F02654BA018
- F02654BA030
- F02654BA033

1-10V
- F02654BB001
- F02654BB006
- F02654BB012
- F02654BB018
- F02654BB030
- F02654BB033

Dali
- F02654BD001
- F02654BD006
- F02654BD012
- F02654BD018
- F02654BD030
- F02654BD033




@ 3000K

### Optic Medium Flood 28º

**Power Led:** 10,5W - 920 lm ≠ FIXT 715 lm - 2700K/CRI 80 - 220-240V / 10,5W - 966 lm ≠ FIXT 742 lm - 3000K/CRI 80 - 220-240V / 10,5W - 1012 lm ≠ FIXT 767 lm - 4000K/CRI 80 - 220-240V

**2700K**

Non Dimmable
- F02652CA001
- F02652CA006
- F02652CA012
- F02652CA018
- F02652CA030
- F02652CA033

1-10V
- F02652CB001
- F02652CB006
- F02652CB012
- F02652CB018
- F02652CB030
- F02652CB033

Dali
- F02652CD001
- F02652CD006
- F02652CD012
- F02652CD018
- F02652CD030
- F02652CD033

**3000K**

Non Dimmable
- F02653CA001
- F02653CA006
- F02653CA012
- F02653CA018
- F02653CA030
- F02653CA033

1-10V
- F02653CB001
- F02653CB006
- F02653CB012
- F02653CB018
- F02653CB030
- F02653CB033

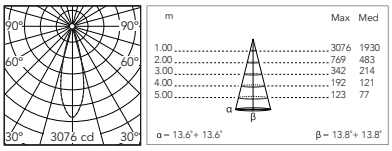
Dali
- F02653CD001
- F02653CD006
- F02653CD012
- F02653CD018
- F02653CD030
- F02653CD033

**4000K**

Non Dimmable
- F02654CA001
- F02654CA006
- F02654CA012
- F02654CA018
- F02654CA030
- F02654CA033

1-10V
- F02654CB001
- F02654CB006
- F02654CB012
- F02654CB018
- F02654CB030
- F02654CB033

Dali
- F02654CD001
- F02654CD006
- F02654CD012
- F02654CD018
- F02654CD030
- F02654CD033




@ 3000K

### Optic Flood 33º

**Power Led:** 10,5W - 920 lm ≠ FIXT 695 lm - 2700K/CRI 80 - 220-240V / 10,5W - 966 lm ≠ FIXT 721 lm - 3000K/CRI 80 - 220-240V / 10,5W - 1012 lm ≠ FIXT 746 lm - 4000K/CRI 80 - 220-240V

**2700K**

Non Dimmable
- F02652DA001
- F02652DA006
- F02652DA012
- F02652DA018
- F02652DA030
- F02652DA033

1-10V
- F02652DB001
- F02652DB006
- F02652DB012
- F02652DB018
- F02652DB030
- F02652DB033

Dali
- F02652DD001
- F02652DD006
- F02652DD012
- F02652DD018
- F02652DD030
- F02652DD033

**3000K**

Non Dimmable
- F02653DA001
- F02653DA006
- F02653DA012
- F02653DA018
- F02653DA030
- F02653DA033

1-10V
- F02653DB001
- F02653DB006
- F02653DB012
- F02653DB018
- F02653DB030
- F02653DB033

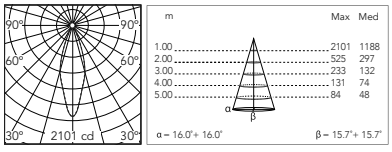
Dali
- F02653DD001
- F02653DD006
- F02653DD012
- F02653DD018
- F02653DD030
- F02653DD033

**4000K**

Non Dimmable
- F02654DA001
- F02654DA006
- F02654DA012
- F02654DA018
- F02654DA030
- F02654DA033

1-10V
- F02654DB001
- F02654DB006
- F02654DB012
- F02654DB018
- F02654DB030
- F02654DB033

Dali
- F02654DD001
- F02654DD006
- F02654DD012
- F02654DD018
- F02654DD030
- F02654DD033




@ 3000K

### Optic Wide Flood 51º

**Power Led:** 10,5W - 920 lm ≠ FIXT 711 lm - 2700K/CRI 80 - 220-240V / 10,5W - 966 lm ≠ FIXT 741 lm - 3000K/CRI 80 - 220-240V / 10,5W - 1012 lm ≠ FIXT 778 lm - 4000K/CRI 80 - 220-240V

**2700K**

Non Dimmable
- F02652EA001
- F02652EA006
- F02652EA012
- F02652EA018
- F02652EA030
- F02652EA033

1-10V
- F02652EB001
- F02652EB006
- F02652EB012
- F02652EB018
- F02652EB030
- F02652EB033

Dali
- F02652ED001
- F02652ED006
- F02652ED012
- F02652ED018
- F02652ED030
- F02652ED033

**3000K**

Non Dimmable
- F02653EA001
- F02653EA006
- F02653EA012
- F02653EA018
- F02653EA030
- F02653EA033

1-10V
- F02653EB001
- F02653EB006
- F02653EB012
- F02653EB018
- F02653EB030
- F02653EB033

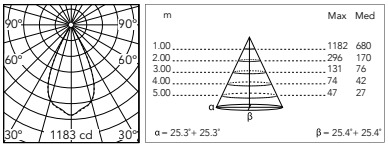
Dali
- F02653ED001
- F02653ED006
- F02653ED012
- F02653ED018
- F02653ED030
- F02653ED033

**4000K**

Non Dimmable
- F02654EA001
- F02654EA006
- F02654EA012
- F02654EA018
- F02654EA030
- F02654EA033

1-10V
- F02654EB001
- F02654EB006
- F02654EB012
- F02654EB018
- F02654EB030
- F02654EB033

Dali
- F02654ED001
- F02654ED006
- F02654ED012
- F02654ED018
- F02654ED030
- F02654ED033




@ 3000K

### Optic Elliptical 1 9,5º x 48º

**Power Led:** 10,5W - 920 lm ≠ FIXT 717 lm - 2700K/CRI 80 - 220-240V / 10,5W - 966 lm ≠ FIXT 744 lm - 3000K/CRI 80 - 220-240V / 10,5W - 1012 lm ≠ FIXT 770 lm - 4000K/CRI 80 - 220-240V

**2700K**
Non Dimmable
- F02652FA001
- F02652FA006
- F02652FA012
- F02652FA018
- F02652FA030
- F02652FA033

1-10V
- F02652FB001
- F02652FB006
- F02652FB012
- F02652FB018
- F02652FB030
- F02652FB033

Dali
- F02652FD001
- F02652FD006
- F02652FD012
- F02652FD018
- F02652FD030
- F02652FD033

**3000K**
Non Dimmable
- F02653FA001
- F02653FA006
- F02653FA012
- F02653FA018
- F02653FA030
- F02653FA033

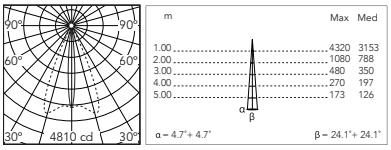
1-10V
- F02653FB001
- F02653FB006
- F02653FB012
- F02653FB018
- F02653FB030
- F02653FB033

Dali
- F02653FD001
- F02653FD006
- F02653FD012
- F02653FD018
- F02653FD030
- F02653FD033

**4000K**
Non Dimmable
- F02654FA001
- F02654FA006
- F02654FA012
- F02654FA018
- F02654FA030
- F02654FA033

1-10V
- F02654FB001
- F02654FB006
- F02654FB012
- F02654FB018
- F02654FB030
- F02654FB033

Dali
- F02654FD001
- F02654FD006
- F02654FD012
- F02654FD018
- F02654FD030
- F02654FD033




@ 3000K

### Optic Elliptical 2 24º x 50º

**Power Led:** 10,5W - 920 lm ≠ FIXT 699 lm - 2700K/CRI 80 - 220-240V / 10,5W - 966 lm ≠ FIXT 725 lm - 3000K/CRI 80 - 220-240V / 10,5W - 1012 lm ≠ FIXT 750 lm - 4000K/CRI 80 - 220-240V

**2700K**
Non Dimmable
- F02652GA001
- F02652GA006
- F02652GA012
- F02652GA018
- F02652GA030
- F02652GA033

1-10V
- F02652GB001
- F02652GB006
- F02652GB012
- F02652GB018
- F02652GB030
- F02652GB033

Dali
- F02652GD001
- F02652GD006
- F02652GD012
- F02652GD018
- F02652GD030
- F02652GD033

**3000K**
Non Dimmable
- F02653GA001
- F02653GA006
- F02653GA012
- F02653GA018
- F02653GA030
- F02653GA033

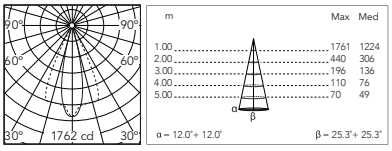
1-10V
- F02653GB001
- F02653GB006
- F02653GB012
- F02653GB018
- F02653GB030
- F02653GB033

Dali
- F02653GD001
- F02653GD006
- F02653GD012
- F02653GD018
- F02653GD030
- F02653GD033

**4000K**
Non Dimmable
- F02654GA001
- F02654GA006
- F02654GA012
- F02654GA018
- F02654GA030
- F02654GA033

1-10V
- F02654GB001
- F02654GB006
- F02654GB012
- F02654GB018
- F02654GB030
- F02654GB033

Dali
- F02654GD001
- F02654GD006
- F02654GD012
- F02654GD018
- F02654GD030
- F02654GD033




@ 3000K

### Optic Wall Washer

**Power Led:** 10,5W - 920 lm ≠ FIXT 673 lm - 2700K/CRI 80 - 220-240V / 10,5W - 966 lm ≠ FIXT 698 lm - 3000K/CRI 80 - 220-240V / 10,5W - 1012 lm ≠ FIXT 672 lm - 4000K/CRI 80 - 220-240V

**2700K**
Non Dimmable
- F02652HA001
- F02652HA006
- F02652HA012
- F02652HA018
- F02652HA030
- F02652HA033

1-10V
- F02652HB001
- F02652HB006
- F02652HB012
- F02652HB018
- F02652HB030
- F02652HB033

Dali
- F02652HD001
- F02652HD006
- F02652HD012
- F02652HD018
- F02652HD030
- F02652HD033

**3000K**
Non Dimmable
- F02653HA001
- F02653HA006
- F02653HA012
- F02653HA018
- F02653HA030
- F02653HA033

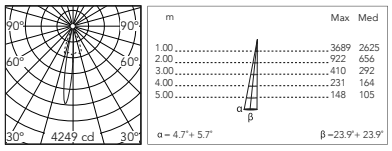
1-10V
- F02653HB001
- F02653HB006
- F02653HB012
- F02653HB018
- F02653HB030
- F02653HB033

Dali
- F02653HD001
- F02653HD006
- F02653HD012
- F02653HD018
- F02653HD030
- F02653HD033

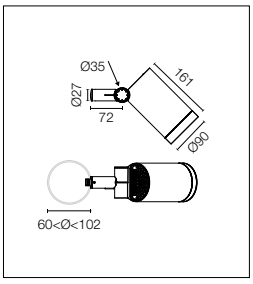
**4000K**
Non Dimmable
- F02654HA001
- F02654HA006
- F02654HA012
- F02654HA018
- F02654HA030
- F02654HA033

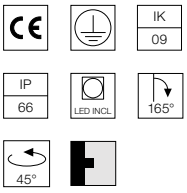
1-10V
- F02654HB001
- F02654HB006
- F02654HB012
- F02654HB018
- F02654HB030
- F02654HB033

Dali
- F02654HD001
- F02654HD006
- F02654HD012
- F02654HD018
- F02654HD030
- F02654HD033




@ 3000K




Energy-efficient Power LED source included Equipped with an integrated snoot for higher visual comfort. Collimators are available as an accessory to modify the beam opening. Integrated electric power supply 220-240V ON/OFF and adjustable 1-10V or DALI. Integrated support for pole fixing, for poles with a diameter between 60 and 120 mm and a maximum thickness of 3 mm. Equipped with a 5m neoprene cable (10m upon request) for remote connection. To guarantee its water tightness, it is recommended to use flexible cables designed for outdoor use.

2200K available on request.

Fuente Power LED de bajo consumo incluida. Equipada con snoot integrado para un confort visual mayor. Los colimadores son un accesorio disponible para modificar la apertura del haz lumínico. Fuente de alimentación eléctrica 220-240V ON/OFF y regulable 1-10V o DALI integrada. Soporte para la fijación en poste integrad, para postes de 60 a 120 mm de diámetro, espesor máximo de 3 mm. Dotada con sección de cable en neopreno de 5m (10m bajo pedido) para conexión remota; para garantizar la estanqueidad se aconseja emplear cables flexibles para exteriores.

2200K disponible bajo pedido.

### Optic Spot 14,5º

**Power Led:** 17W - 1739 lm ≠ FIXT 1443 lm - 2700K/CRI 80 - 220-240V / 17W - 1803 lm ≠ FIXT 1497 lm - 3000K/CRI 80 - 220-240V / 17W - 1868 lm ≠ FIXT 1548 lm - 4000K/CRI 80 - 220-240V

**2700K**
Non Dimmable
- F02662BA001
- F02662BA006
- F02662BA012
- F02662BA018
- F02662BA030
- F02662BA033

1-10V
- F02662BB001
- F02662BB006
- F02662BB012
- F02662BB018
- F02662BB030
- F02662BB033

Dali
- F02662BD001
- F02662BD006
- F02662BD012
- F02662BD018
- F02662BD030
- F02662BD033

**3000K**
Non Dimmable
- F02663BA001
- F02663BA006
- F02663BA012
- F02663BA018
- F02663BA030
- F02663BA033

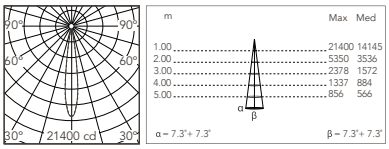
1-10V
- F02663BB001
- F02663BB006
- F02663BB012
- F02663BB018
- F02663BB030
- F02663BB033

Dali
- F02663BD001
- F02663BD006
- F02663BD012
- F02663BD018
- F02663BD030
- F02663BD033

**4000K**
Non Dimmable
- F02664BA001
- F02664BA006
- F02664BA012
- F02664BA018
- F02664BA030
- F02664BA033

1-10V
- F02664BB001
- F02664BB006
- F02664BB012
- F02664BB018
- F02664BB030
- F02664BB033

Dali
- F02664BD001
- F02664BD006
- F02664BD012
- F02664BD018
- F02664BD030
- F02664BD033




@ 3000K

### Optic Medium Flood 26º

**Power Led:** 17W - 1739 lm ≠ FIXT 1336 lm - 2700K/CRI 80 - 220-240V / 17W - 1803 lm ≠ FIXT 1386 lm - 3000K/CRI 80 - 220-240V / 17W - 1868 lm ≠ FIXT 1434 lm - 4000K/CRI 80 - 220-240V

**2700K**
Non Dimmable
- F02662CA001
- F02662CA006
- F02662CA012
- F02662CA018
- F02662CA030
- F02662CA033

1-10V
- F02662CB001
- F02662CB006
- F02662CB012
- F02662CB018
- F02662CB030
- F02662CB033

Dali
- F02662CD001
- F02662CD006
- F02662CD012
- F02662CD018
- F02662CD030
- F02662CD033

**3000K**
Non Dimmable
- F02663CA001
- F02663CA006
- F02663CA012
- F02663CA018
- F02663CA030
- F02663CA033

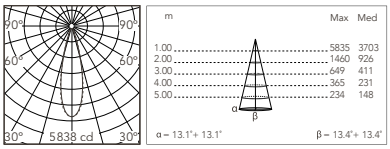
1-10V
- F02663CB001
- F02663CB006
- F02663CB012
- F02663CB018
- F02663CB030
- F02663CB033

Dali
- F02663CD001
- F02663CD006
- F02663CD012
- F02663CD018
- F02663CD030
- F02663CD033

**4000K**
Non Dimmable
- F02664CA001
- F02664CA006
- F02664CA012
- F02664CA018
- F02664CA030
- F02664CA033

1-10V
- F02664CB001
- F02664CB006
- F02664CB012
- F02664CB018
- F02664CB030
- F02664CB033

Dali
- F02664CD001
- F02664CD006
- F02664CD012
- F02664CD018
- F02664CD030
- F02664CD033




@ 3000K

### Optic Flood 36º

**Power Led:** 17W - 1739 lm ≠ FIXT 1302 lm - 2700K/CRI 80 - 220-240V / 17W - 1803 lm ≠ FIXT 1351 lm - 3000K/CRI 80 - 220-240V / 17W - 1868 lm ≠ FIXT 1397 lm - 4000K/CRI 80 - 220-240V

**2700K**
Non Dimmable
- F02662DA001
- F02662DA006
- F02662DA012
- F02662DA018
- F02662DA030
- F02662DA033

1-10V
- F02662DB001
- F02662DB006
- F02662DB012
- F02662DB018
- F02662DB030
- F02662DB033

Dali
- F02662DD001
- F02662DD006
- F02662DD012
- F02662DD018
- F02662DD030
- F02662DD033

**3000K**
Non Dimmable
- F02663DA001
- F02663DA006
- F02663DA012
- F02663DA018
- F02663DA030
- F02663DA033

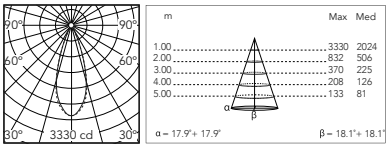
1-10V
- F02663DB001
- F02663DB006
- F02663DB012
- F02663DB018
- F02663DB030
- F02663DB033

Dali
- F02663DD001
- F02663DD006
- F02663DD012
- F02663DD018
- F02663DD030
- F02663DD033

**4000K**
Non Dimmable
- F02664DA001
- F02664DA006
- F02664DA012
- F02664DA018
- F02664DA030
- F02664DA033

1-10V
- F02664DB001
- F02664DB006
- F02664DB012
- F02664DB018
- F02664DB030
- F02664DB033

Dali
- F02664DD001
- F02664DD006
- F02664DD012
- F02664DD018
- F02664DD030
- F02664DD033




@ 3000K

### Optic Wide Flood 52º

**Power Led:** 17W - 1739 lm ≠ FIXT 1303 lm - 2700K/CRI 80 - 220-240V / 17W - 1803 lm ≠ FIXT 1357 lm - 3000K/CRI 80 - 220-240V / 17W - 1868 lm ≠ FIXT 1411 lm - 4000K/CRI 80 - 220-240V

**2700K**
Non Dimmable
- F02662EA001
- F02662EA006
- F02662EA012
- F02662EA018
- F02662EA030
- F02662EA033

1-10V
- F02662EB001
- F02662EB006
- F02662EB012
- F02662EB018
- F02662EB030
- F02662EB033

Dali
- F02662ED001
- F02662ED006
- F02662ED012
- F02662ED018
- F02662ED030
- F02662ED033

**3000K**
Non Dimmable
- F02663EA001
- F02663EA006
- F02663EA012
- F02663EA018
- F02663EA030
- F02663EA033

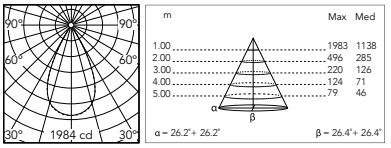
1-10V
- F02663EB001
- F02663EB006
- F02663EB012
- F02663EB018
- F02663EB030
- F02663EB033

Dali
- F02663ED001
- F02663ED006
- F02663ED012
- F02663ED018
- F02663ED030
- F02663ED033

**4000K**
Non Dimmable
- F02664EA001
- F02664EA006
- F02664EA012
- F02664EA018
- F02664EA030
- F02664EA033

1-10V
- F02664EB001
- F02664EB006
- F02664EB012
- F02664EB018
- F02664EB030
- F02664EB033

Dali
- F02664ED001
- F02664ED006
- F02664ED012
- F02664ED018
- F02664ED030
- F02664ED033




@ 3000K

### Optic Elliptical 1 14º x 50º

**Power Led:** 17W - 1739 lm ≠ FIXT 1315 lm - 2700K/CRI 80 - 220-240V / 17W - 1803 lm ≠ FIXT 1364 lm - 3000K/CRI 80 - 220-240V / 17W - 1868 lm ≠ FIXT 1410 lm - 4000K/CRI 80 - 220-240V

**2700K**
Non Dimmable
- F02662FA001
- F02662FA006
- F02662FA012
- F02662FA018
- F02662FA030
- F02662FA033

1-10V
- F02662FB001
- F02662FB006
- F02662FB012
- F02662FB018
- F02662FB030
- F02662FB033

Dali
- F02662FD001
- F02662FD006
- F02662FD012
- F02662FD018
- F02662FD030
- F02662FD033

**3000K**
Non Dimmable
- F02663FA001
- F02663FA006
- F02663FA012
- F02663FA018
- F02663FA030
- F02663FA033

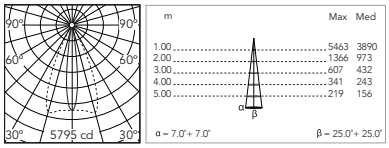
1-10V
- F02663FB001
- F02663FB006
- F02663FB012
- F02663FB018
- F02663FB030
- F02663FB033

Dali
- F02663FD001
- F02663FD006
- F02663FD012
- F02663FD018
- F02663FD030
- F02663FD033

**4000K**
Non Dimmable
- F02664FA001
- F02664FA006
- F02664FA012
- F02664FA018
- F02664FA030
- F02664FA033

1-10V
- F02664FB001
- F02664FB006
- F02664FB012
- F02664FB018
- F02664FB030
- F02664FB033

Dali
- F02664FD001
- F02664FD006
- F02664FD012
- F02664FD018
- F02664FD030
- F02664FD033




@ 3000K

### Optic Elliptical 2 25º x 52º

**Power Led:** 17W - 1739 lm ≠ FIXT 1298 lm - 2700K/CRI 80 - 220-240V / 17W - 1803 lm ≠ FIXT 1351 lm - 3000K/CRI 80 - 220-240V / 17W - 1868 lm ≠ FIXT 1393 lm - 4000K/CRI 80 - 220-240V

**2700K**

Non Dimmable
- F02662GA001
- F02662GA006
- F02662GA012
- F02662GA018
- F02662GA030
- F02662GA033

1-10V
- F02662GB001
- F02662GB006
- F02662GB012
- F02662GB018
- F02662GB030
- F02662GB033

Dali
- F02662GD001
- F02662GD006
- F02662GD012
- F02662GD018
- F02662GD030
- F02662GD033

**3000K**

Non Dimmable
- F02663GA001
- F02663GA006
- F02663GA012
- F02663GA018
- F02663GA030
- F02663GA033

1-10V
- F02663GB001
- F02663GB006
- F02663GB012
- F02663GB018
- F02663GB030
- F02663GB033

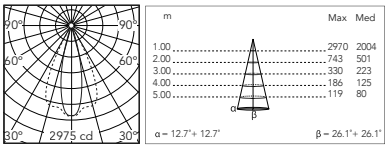
Dali
- F02663GD001
- F02663GD006
- F02663GD012
- F02663GD018
- F02663GD030
- F02663GD033

**4000K**

Non Dimmable
- F02664GA001
- F02664GA006
- F02664GA012
- F02664GA018
- F02664GA030
- F02664GA033

1-10V
- F02664GB001
- F02664GB006
- F02664GB012
- F02664GB018
- F02664GB030
- F02664GB033

Dali
- F02664GD001
- F02664GD006
- F02664GD012
- F02664GD018
- F02664GD030
- F02664GD033




@ 3000K

### Optic Wall Washer

**Power Led:** 17W - 1739 lm ≠ FIXT 1277 lm - 2700K/CRI 80 - 220-240V / 17W - 1803 lm ≠ FIXT 1325 lm - 3000K/CRI 80 - 220-240V / 17W - 1868 lm ≠ FIXT 1370 lm - 4000K/CRI 80 - 220-240V

**2700K**

Non Dimmable
- F02662HA001
- F02662HA006
- F02662HA012
- F02662HA018
- F02662HA030
- F02662HA033

1-10V
- F02662HB001
- F02662HB006
- F02662HB012
- F02662HB018
- F02662HB030
- F02662HB033

Dali
- F02662HD001
- F02662HD006
- F02662HD012
- F02662HD018
- F02662HD030
- F02662HD033

**3000K**

Non Dimmable
- F02663HA001
- F02663HA006
- F02663HA012
- F02663HA018
- F02663HA030
- F02663HA033

1-10V
- F02663HB001
- F02663HB006
- F02663HB012
- F02663HB018
- F02663HB030
- F02663HB033

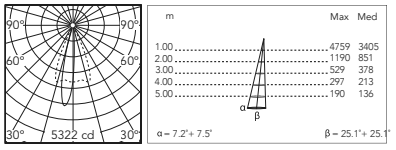
Dali
- F02663HD001
- F02663HD006
- F02663HD012
- F02663HD018
- F02663HD030
- F02663HD033

**4000K**

Non Dimmable
- F02664HA001
- F02664HA006
- F02664HA012
- F02664HA018
- F02664HA030
- F02664HA033

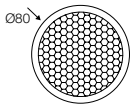
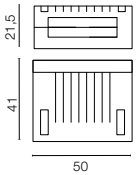
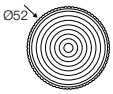
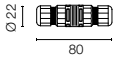
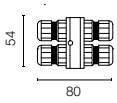
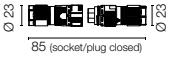
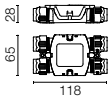
1-10V
- F02664HB001
- F02664HB006
- F02664HB012
- F02664HB018
- F02664HB030
- F02664HB033

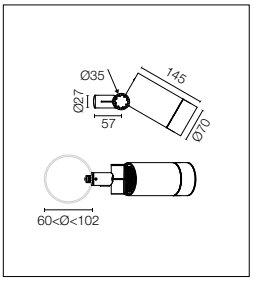
Dali
- F02664HD001
- F02664HD006
- F02664HD012
- F02664HD018
- F02664HD030
- F02664HD033

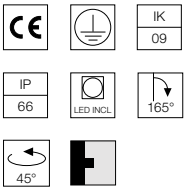



@ 3000K

## Spine T 2 Pro: Accessories / Accesorios

| | | | | |
|---|---|---|---|---|
| Honeycomb | Honeycomb Louvre | F026Z060000 | |   |
| Gelbox IPX8 for splicing connectors. | Caja de gel IPX8 para la conexión eléctrica. | F990C110000 | |   |
| Converter lenses / Lentes de conversión:<br>- Converter Spine 2 Optic Medium Flood<br>- Converter Spine 2 Optic Flood<br>- Converter Spine 2 Optic Wide Flood<br>- Converter Spine 2 Optic Elliptic 1<br>- Converter Spine 2 Optic Elliptic 2<br>- Converter Spine 2 Optic Wall Washer | | <br>F029Z020000<br>F029Z021000<br>F029Z022000<br>F029Z023000<br>F029Z024000<br>F029Z025000 | |   |
| 2 way terminal block 4 poles IP68 H2O Stop. | Bloque de terminales IP68 H2O Stop anticondensación con 2 vías y 4 polos. | F990C00A000 | |   |
| 3/4 way terminal block 4 poles IP68 H2O Stop. (ø5,5÷12mm cable). | Bloque de terminales IP68 H2O Stop anticondensación con 3/4 vías y 4 polos. (Cable ø5,5÷12 mm). | F990C010000 | |   |
| Connector kit 5-pole flying socket + EU plug IP68. | Kit de conectores de 5 polos enchufe volante + enchufe UE IP68. | F990C080000 | |   |
| 4 way junction box 5 poles IP68 (6-14 mm cables). | Caja de derivación de 5 polos y 4 vías IP68 (cables de 6-14 mm). | F990C030000 | |   |




Power LED source included. Equipped with an integrated snoot for higher visual comfort: the asymmetrical cut visor is available as an accessory. Collimators are available as an accessory to modify the beam opening. Integrated electric power supply 220-240V ON/OFF. Integrated support for pole fixing, for poles with a diameter between 60 and 120 mm and a maximum thickness of 3 mm. Equipped with a 5m neoprene cable (10m upon request) for remote connection. To guarantee its water tightness, it is recommended to use flexible cables designed for outdoor use. Upon request: 1-10V or DALI dimmable version with 24Vdc remote power supply.

2200K available on request.

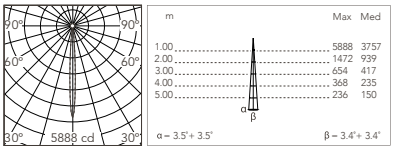
Fuente Power LED incluida. Equipada con snoot integrado para un confort visual mayor: como accesorio, está disponible el visor de corte asimétrico. Los colimadores son un accesorio disponible para modificar la apertura del haz lumínico. Fuente de alimentación eléctrica 220-240V ON/OFF integrada. Soporte para la fijación en poste integrad, para postes de 60 a 120 mm de diámetro, espesor máximo de 3 mm. Dotada con sección de cable en neopreno de 5m (10m bajo pedido) para conexión remota; para garantizar la estanqueidad se aconseja emplear cables flexibles para exteriores.
Bajo petición, versión regulable 1-10V o DALI con fuente de alimentación remota 24Vdc.

2200K disponible bajo pedido.

### Optic Narrow Spot 7º

**Power Led:** 3,5W - 168 lm ≠ FIXT 143 lm - 2700K/CRI 80 - 220-240V / 3,5W - 174 lm ≠ FIXT 149 lm - 3000K/CRI 80 - 220-240V / 3,5W - 180 lm ≠ FIXT 154 lm - 4000K/CRI 80 - 220-240V

| 2700K | 3000K | 4000K |
|---|---|---|
| Non Dimmable | Non Dimmable | Non Dimmable |
| F02512AA001 | F02513AA001 | F02514AA001 |
| F02512AA006 | F02513AA006 | F02514AA006 |
| F02512AA012 | F02513AA012 | F02514AA012 |
| F02512AA018 | F02513AA018 | F02514AA018 |
| F02512AA030 | F02513AA030 | F02514AA030 |
| F02512AA033 | F02513AA033 | F02514AA033 |

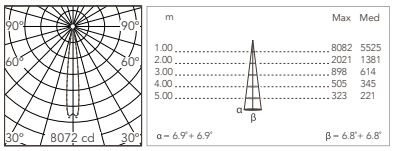



@ 3000K

### Optic Spot 14º

**Power Led:** 7,9W - 671 lm ≠ FIXT 550 lm - 2700K/CRI 80 - 220-240V / 7,9W - 696 lm ≠ FIXT 571 lm - 3000K/CRI 80 - 220-240V / 7,9W - 720 lm ≠ FIXT 591 lm - 4000K/CRI 80 - 220-240V

| 2700K | 3000K | 4000K |
|---|---|---|
| Non Dimmable | Non Dimmable | Non Dimmable |
| F02512BA001 | F02513BA001 | F02514BA001 |
| F02512BA006 | F02513BA006 | F02514BA006 |
| F02512BA012 | F02513BA012 | F02514BA012 |
| F02512BA018 | F02513BA018 | F02514BA018 |
| F02512BA030 | F02513BA030 | F02514BA030 |
| F02512BA033 | F02513BA033 | F02514BA033 |

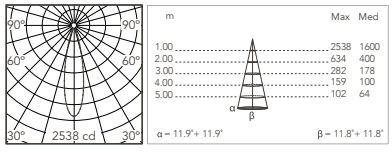



@ 3000K

### Optic Medium Flood 24,5º

**Power Led:** 7,9W - 671 lm ≠ FIXT 499 lm - 2700K/CRI 80 - 220-240V / 7,9W - 696 lm ≠ FIXT 518 lm - 3000K/CRI 80 - 220-240V / 7,9W - 720 lm ≠ FIXT 536 lm - 4000K/CRI 80 - 220-240V

| 2700K | 3000K | 4000K |
|---|---|---|
| Non Dimmable | Non Dimmable | Non Dimmable |
| F02512CA001 | F02513CA001 | F02514CA001 |
| F02512CA006 | F02513CA006 | F02514CA006 |
| F02512CA012 | F02513CA012 | F02514CA012 |
| F02512CA018 | F02513CA018 | F02514CA018 |
| F02512CA030 | F02513CA030 | F02514CA030 |
| F02512CA033 | F02513CA033 | F02514CA033 |

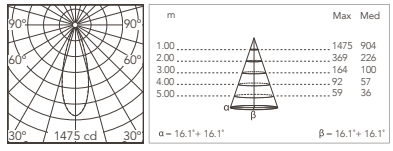



@ 3000K

### Optic Flood 32º

**Power Led:** 7,9W - 671 lm ≠ FIXT 482 lm - 2700K/CRI 80 - 220-240V / 7,9W - 696 lm ≠ FIXT 500 lm - 3000K/CRI 80 - 220-240V / 7,9W - 720 lm ≠ FIXT 518 lm - 4000K/CRI 80 - 220-240V

| 2700K | 3000K | 4000K |
|---|---|---|
| Non Dimmable | Non Dimmable | Non Dimmable |
| F02512DA001 | F02513DA001 | F02514DA001 |
| F02512DA006 | F02513DA006 | F02514DA006 |
| F02512DA012 | F02513DA012 | F02514DA012 |
| F02512DA018 | F02513DA018 | F02514DA018 |
| F02512DA030 | F02513DA030 | F02514DA030 |
| F02512DA033 | F02513DA033 | F02514DA033 |

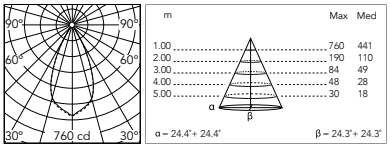



@ 3000K

### Optic Wide Flood 49º

**Power Led:** 7,9W - 671 lm ≠ FIXT 480 lm - 2700K/CRI 80 - 220-240V / 7,9W - 696 lm ≠ FIXT 490 lm - 3000K/CRI 80 - 220-240V / 7,9W - 720 lm ≠ FIXT 505 lm - 4000K/CRI 80 - 220-240V

| 2700K | 3000K | 4000K |
|---|---|---|
| Non Dimmable | Non Dimmable | Non Dimmable |
| F02512EA001 | F02513EA001 | F02514EA001 |
| F02512EA006 | F02513EA006 | F02514EA006 |
| F02512EA012 | F02513EA012 | F02514EA012 |
| F02512EA018 | F02513EA018 | F02514EA018 |
| F02512EA030 | F02513EA030 | F02514EA030 |
| F02512EA033 | F02513EA033 | F02514EA033 |

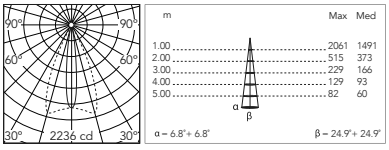



@ 3000K

### Optic Elliptical 1 13,5º x 50º

**Power Led:** 7,9W - 671 lm ≠ FIXT 500 lm - 2700K/CRI 80 - 220-240V / 7,9W - 696 lm ≠ FIXT 519 lm - 3000K/CRI 80 - 220-240V / 7,9W - 720 lm ≠ FIXT 537 lm - 4000K/CRI 80 - 220-240V

| 2700K | 3000K | 4000K |
|---|---|---|
| Non Dimmable | Non Dimmable | Non Dimmable |
| F02512FA001 | F02513FA001 | F02514FA001 |
| F02512FA006 | F02513FA006 | F02514FA006 |
| F02512FA012 | F02513FA012 | F02514FA012 |
| F02512FA018 | F02513FA018 | F02514FA018 |
| F02512FA030 | F02513FA030 | F02514FA030 |
| F02512FA033 | F02513FA033 | F02514FA033 |

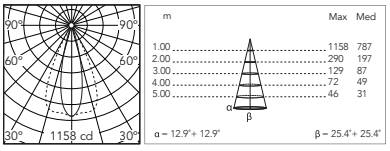



@ 3000K

### Optic Elliptical 2 26º x 51º

**Power Led:** 7,9W - 671 lm ≠ FIXT 487 lm - 2700K/CRI 80 - 220-240V / 7,9W - 696 lm ≠ FIXT 505 lm - 3000K/CRI 80 - 220-240V / 7,9W - 720 lm ≠ FIXT 523 lm - 4000K/CRI 80 - 220-240V

| 2700K | 3000K | 4000K |
|---|---|---|
| Non Dimmable | Non Dimmable | Non Dimmable |
| F02512GA001 | F02513GA001 | F02514GA001 |
| F02512GA006 | F02513GA006 | F02514GA006 |
| F02512GA012 | F02513GA012 | F02514GA012 |
| F02512GA018 | F02513GA018 | F02514GA018 |
| F02512GA030 | F02513GA030 | F02514GA030 |
| F02512GA033 | F02513GA033 | F02514GA033 |

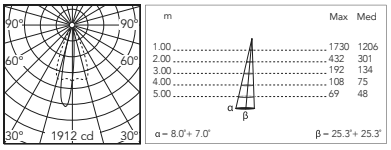



@ 3000K

### Optic Wall Washer

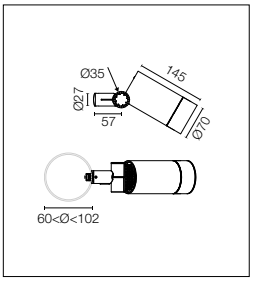
**Power Led:** 7,9W - 671 lm ≠ FIXT 471 lm - 2700K/CRI 80 - 220-240V / 7,9W - 696 lm ≠ FIXT 489 lm - 3000K/CRI 80 - 220-240V / 7,9W - 720 lm ≠ FIXT 506 lm - 4000K/CRI 80 - 220-240V

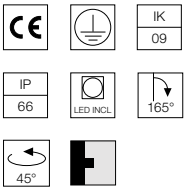
| 2700K | 3000K | 4000K |
|---|---|---|
| Non Dimmable | Non Dimmable | Non Dimmable |
| F02512HA001 | F02513HA001 | F02514HA001 |
| F02512HA006 | F02513HA006 | F02514HA006 |
| F02512HA012 | F02513HA012 | F02514HA012 |
| F02512HA018 | F02513HA018 | F02514HA018 |
| F02512HA030 | F02513HA030 | F02514HA030 |
| F02512HA033 | F02513HA033 | F02514HA033 |




@ 3000K

## Spine T 1 Ultra Hp



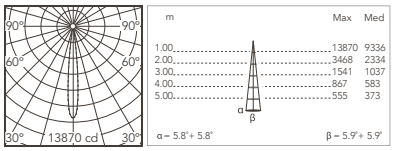

Energy-efficient Power LED source included Equipped with an integrated snoot for higher visual comfort: the asymmetrical cut visor is available as an accessory. Collimators are available as an accessory to modify the beam opening. Integrated electric power supply 220-240V ON/OFF. Integrated support for pole fixing, for poles with a diameter between 60 and 120 mm and a maximum thickness of 3 mm. Equipped with a 5m neoprene cable (10m upon request) for remote connection. To guarantee its water tightness, it is recommended to use flexible cables designed for outdoor use.
Upon request: 1-10V or DALI dimmable version with 24Vdc remote power supply.

Fuente Power LED de bajo consumo incluida. Equipada con snoot integrado para un confort visual mayor: el visor de corte asimétrico está disponible como accesorio. Los colimadores son un accesorio disponible para modificar la apertura del haz lumínico. Fuente de alimentación eléctrica 220-240V ON/OFF integrada. Soporte para la fijación en poste integrad, para postes de 60 a 120 mm de diámetro, espesor máximo de 3 mm. Dotada con sección de cable en neopreno de 5m (10m bajo pedido) para conexión remota; para garantizar la estanqueidad se aconseja emplear cables flexibles para exteriores.
Bajo petición, versión regulable 1-10V o DALI con fuente de alimentación remota 24Vdc.

### Optic Spot 12º

**Power Led:** 10,5W - 920 lm ≠ FIXT 680 lm - 2700K/CRI 80 - 220-240V / 10,5W - 966 lm ≠ FIXT 706 lm - 3000K/CRI 80 - 220-240V / 10,5W - 1012 lm ≠ FIXT 730 lm - 4000K/CRI 80 - 220-240V

| 2700K | 3000K | 4000K |
|---|---|---|
| Non Dimmable | Non Dimmable | Non Dimmable |
| ○ F02522BA001 | ○ F02523BA001 | ○ F02524BA001 |
| ● F02522BA006 | ● F02523BA006 | ● F02524BA006 |
| ● F02522BA012 | ● F02523BA012 | ● F02524BA012 |
| ● F02522BA018 | ● F02523BA018 | ● F02524BA018 |
| ● F02522BA030 | ● F02523BA030 | ● F02524BA030 |
| ● F02522BA033 | ● F02523BA033 | ● F02524BA033 |

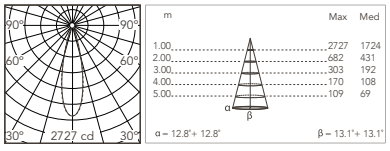



@ 3000K

### Optic Medium Flood 26,5º

**Power Led:** 10,5W - 920 lm ≠ FIXT 594 lm - 2700K/CRI 80 - 220-240V / 10,5W - 966 lm ≠ FIXT 630 lm - 3000K/CRI 80 - 220-240V / 10,5W - 1012 lm ≠ FIXT 654 lm - 4000K/CRI 80 - 220-240V

| 2700K | 3000K | 4000K |
|---|---|---|
| Non Dimmable | Non Dimmable | Non Dimmable |
| ○ F02522CA001 | ○ F02523CA001 | ○ F02524CA001 |
| ● F02522CA006 | ● F02523CA006 | ● F02524CA006 |
| ● F02522CA012 | ● F02523CA012 | ● F02524CA012 |
| ● F02522CA018 | ● F02523CA018 | ● F02524CA018 |
| ● F02522CA030 | ● F02523CA030 | ● F02524CA030 |
| ● F02522CA033 | ● F02523CA033 | ● F02524CA033 |

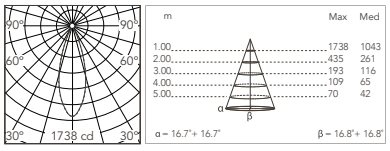



@ 3000K

### Optic Flood 33,5º

**Power Led:** 10,5W - 920 lm ≠ FIXT 592 lm - 2700K/CRI 80 - 220-240V / 10,5W - 966 lm ≠ FIXT 627 lm - 3000K/CRI 80 - 220-240V / 10,5W - 1012 lm ≠ FIXT 651 lm - 4000K/CRI 80 - 220-240V

| 2700K | 3000K | 4000K |
|---|---|---|
| Non Dimmable | Non Dimmable | Non Dimmable |
| ○ F02522DA001 | ○ F02523DA001 | ○ F02524DA001 |
| ● F02522DA006 | ● F02523DA006 | ● F02524DA006 |
| ● F02522DA012 | ● F02523DA012 | ● F02524DA012 |
| ● F02522DA018 | ● F02523DA018 | ● F02524DA018 |
| ● F02522DA030 | ● F02523DA030 | ● F02524DA030 |
| ● F02522DA033 | ● F02523DA033 | ● F02524DA033 |

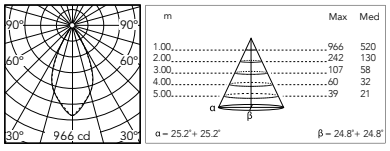



@ 3000K

### Optic Wide Flood 50º

**Power Led:** 10,5W - 920 lm ≠ FIXT 591 lm - 2700K/CRI 80 - 220-240V / 10,5W - 966 lm ≠ FIXT 619 lm - 3000K/CRI 80 - 220-240V / 10,5W - 1012 lm ≠ FIXT 650 lm - 4000K/CRI 80 - 220-240V

| 2700K | 3000K | 4000K |
|---|---|---|
| Non Dimmable | Non Dimmable | Non Dimmable |
| ○ F02522EA001 | ○ F02523EA001 | ○ F02524EA001 |
| ● F02522EA006 | ● F02523EA006 | ● F02524EA006 |
| ● F02522EA012 | ● F02523EA012 | ● F02524EA012 |
| ● F02522EA018 | ● F02523EA018 | ● F02524EA018 |
| ● F02522EA030 | ● F02523EA030 | ● F02524EA030 |
| ● F02522EA033 | ● F02523EA033 | ● F02524EA033 |



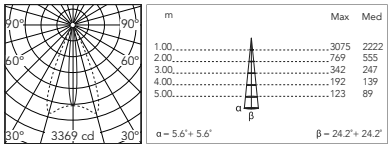

@ 3000K

## Spine T 1 Ultra Hp

### Optic Elliptical 1 11,5º x 49º

**Power Led:** 10,5W - 920 lm ≠ FIXT 603 lm - 2700K/CRI 80 - 220-240V / 10,5W - 966 lm ≠ FIXT 639 lm - 3000K/CRI 80 - 220-240V / 10,5W - 1012 lm ≠ FIXT 663 lm - 4000K/CRI 80 - 220-240V

| 2700K<br>Non Dimmable | 3000K<br>Non Dimmable | 4000K<br>Non Dimmable |
|---|---|---|
| ○ F02522FA001 | ○ F02523FA001 | ○ F02524FA001 |
| ● F02522FA006 | ● F02523FA006 | ● F02524FA006 |
| ● F02522FA012 | ● F02523FA012 | ● F02524FA012 |
| ● F02522FA018 | ● F02523FA018 | ● F02524FA018 |
| ● F02522FA030 | ● F02523FA030 | ● F02524FA030 |
| ● F02522FA033 | ● F02523FA033 | ● F02524FA033 |

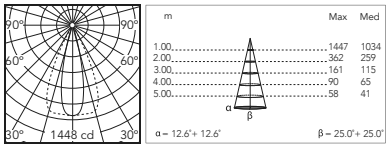



@ 3000K

### Optic Elliptical 2 25,5º x 50º

**Power Led:** 10,5W - 920 lm ≠ FIXT 601 lm - 2700K/CRI 80 - 220-240V / 10,5W - 966 lm ≠ FIXT 624 lm - 3000K/CRI 80 - 220-240V / 10,5W - 1012 lm ≠ FIXT 645 lm - 4000K/CRI 80 - 220-240V

| 2700K<br>Non Dimmable | 3000K<br>Non Dimmable | 4000K<br>Non Dimmable |
|---|---|---|
| ○ F02522GA001 | ○ F02523GA001 | ○ F02524GA001 |
| ● F02522GA006 | ● F02523GA006 | ● F02524GA006 |
| ● F02522GA012 | ● F02523GA012 | ● F02524GA012 |
| ● F02522GA018 | ● F02523GA018 | ● F02524GA018 |
| ● F02522GA030 | ● F02523GA030 | ● F02524GA030 |
| ● F02522GA033 | ● F02523GA033 | ● F02524GA033 |

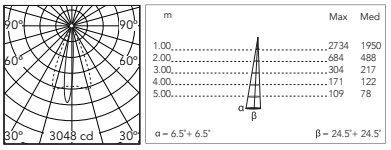



@ 3000K

### Optic Wall Washer

**Power Led:** 10,5W - 920 lm ≠ FIXT 574 lm - 2700K/CRI 80 - 220-240V / 10,5W - 966 lm ≠ FIXT 609 lm - 3000K/CRI 80 - 220-240V / 10,5W - 1012 lm ≠ FIXT 631 lm - 4000K/CRI 80 - 220-240V

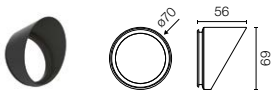
| 2700K<br>Non Dimmable | 3000K<br>Non Dimmable | 4000K<br>Non Dimmable |
|---|---|---|
| ○ F02522HA001 | ○ F02523HA001 | ○ F02524HA001 |
| ● F02522HA006 | ● F02523HA006 | ● F02524HA006 |
| ● F02522HA012 | ● F02523HA012 | ● F02524HA012 |
| ● F02522HA018 | ● F02523HA018 | ● F02524HA018 |
| ● F02522HA030 | ● F02523HA030 | ● F02524HA030 |
| ● F02522HA033 | ● F02523HA033 | ● F02524HA033 |

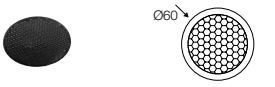


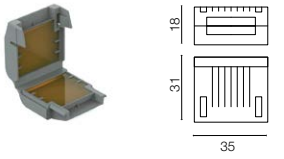

@ 3000K

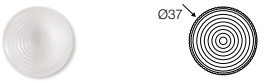
## Spine T 1 Ultra: Accessories / Accesorios

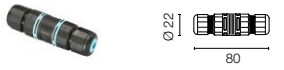
| | | |
|---|---|---|
| Visor | Visor | ○ F025Z050001<br>● F025Z050006<br>● F025Z050012<br>● F025Z050018<br>● F025Z050030<br>● F025Z050033 |
| Honeycomb | Honeycomb Louvre | F025Z060000 |
| Gelbox IPX8 for splicing connectors. | Caja de gel IPX8 para la conexión eléctrica. | F990C100000 |
| Converter lenses / Llentes de conversión:<br>- Converter Spine 1 Optic Medium Flood<br>- Converter Spine 1 Optic Flood<br>- Converter Spine 1 Optic Wide Flood<br>- Converter Spine 1 Optic Elliptic 1<br>- Converter Spine 1 Optic Elliptic 2<br>- Converter Spine 1 Optic Wall Washer | | <br>F029Z010000<br>F029Z011000<br>F029Z012000<br>F029Z013000<br>F029Z014000<br>F029Z015000 |
| 2 way terminal block 4 poles IP68 H2O Stop. | Bloque de terminales IP68 H2O Stop anticondensación con 2 vías y 4 polos. | F990C00A000 |
| 3/4 way terminal block 4 poles IP68 H2O Stop. (ø5,5÷12mm cable). | Bloque de terminales IP68 H2O Stop anticondensación con 3/4 vías y 4 polos. (Cable ø5,5÷12 mm). | F990C010000 |

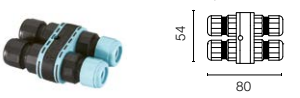


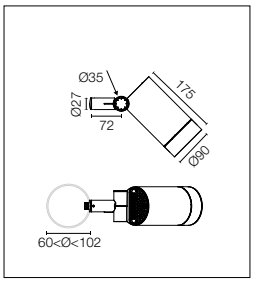



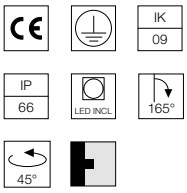






Power LED source included. Equipped with an integrated snoot for higher visual comfort: the asymmetrical cut visor is available as an accessory. Collimators are available as an accessory to modify the beam opening. Integrated electric power supply 220-240V ON/OFF and adjustable 1-10V or DALI. Integrated support for pole fixing, for poles with a diameter between 60 and 120 mm and a maximum thickness of 3 mm. Equipped with a 5m neoprene cable (10m upon request) for remote connection. To guarantee its water tightness, it is recommended to use flexible cables designed for outdoor use.

Optic Narrow Spot

2200K available on request.

Fuente Power LED incluida. Equipada con snoot integrado para un confort visual mayor: como accesorio, está disponible el visor de corte asimétrico. Los colimadores son un accesorio disponible para modificar la apertura del haz lumínico. Fuente de alimentación eléctrica 220-240V ON/OFF y regulable 1-10V o DALI integrada. Soporte para la fijación en poste integrad, para postes de 60 a 120 mm de diámetro, espesor máximo de 3 mm. Dotada con sección de cable en neopreno de 5m (10m bajo pedido) para conexión remota; para garantizar la estanqueidad se aconseja emplear cables flexibles para exteriores.

Optic Narrow Spot

2200K disponible bajo pedido.

### Optic Narrow Spot 6º

**Power Led:** 4,1W - 248 lm ≠ FIXT 230 lm - 2700K/CRI 80 - 220-240V / 4,1W - 258 lm ≠ FIXT 239 lm - 3000K/CRI 80 - 220-240V / 4,1W - 267 lm ≠ FIXT 247 lm - 4000K/CRI 80 - 220-240V

**2700K**

Non Dimmable
- F02612AA001
- F02612AA006
- F02612AA012
- F02612AA018
- F02612AA030
- F02612AA033

1-10V
- F02612AB001
- F02612AB006
- F02612AB012
- F02612AB018
- F02612AB030
- F02612AB033

Dali
- F02612AD001
- F02612AD006
- F02612AD012
- F02612AD018
- F02612AD030
- F02612AD033

**3000K**

Non Dimmable
- F02613AA001
- F02613AA006
- F02613AA012
- F02613AA018
- F02613AA030
- F02613AA033

1-10V
- F02613AB001
- F02613AB006
- F02613AB012
- F02613AB018
- F02613AB030
- F02613AB033

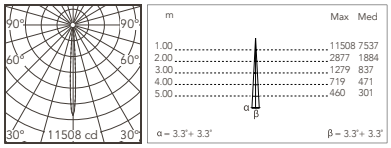
Dali
- F02613AD001
- F02613AD006
- F02613AD012
- F02613AD018
- F02613AD030
- F02613AD033

**4000K**

Non Dimmable
- F02614AA001
- F02614AA006
- F02614AA012
- F02614AA018
- F02614AA030
- F02614AA033

1-10V
- F02614AB001
- F02614AB006
- F02614AB012
- F02614AB018
- F02614AB030
- F02614AB033

Dali
- F02614AD001
- F02614AD006
- F02614AD012
- F02614AD018
- F02614AD030
- F02614AD033




@ 3000K

### Optic Spot 9,5º

**Power Led:** 10,5W - 920 lm ≠ FIXT 769 lm - 2700K/CRI 80 - 220-240Vv / 10,5W - 966 lm ≠ FIXT 808 lm - 3000K/CRI 80 - 220-240V / 10,5W - 1012 lm ≠ FIXT 846 lm - 4000K/CRI 80 - 220-240V

**2700K**

Non Dimmable
- F02612BA001
- F02612BA006
- F02612BA012
- F02612BA018
- F02612BA030
- F02612BA033

1-10V
- F02612BB001
- F02612BB006
- F02612BB012
- F02612BB018
- F02612BB030
- F02612BB033

Dali
- F02612BD001
- F02612BD006
- F02612BD012
- F02612BD018
- F02612BD030
- F02612BD033

**3000K**

Non Dimmable
- F02613BA001
- F02613BA006
- F02613BA012
- F02613BA018
- F02613BA030
- F02613BA033

1-10V
- F02613BB001
- F02613BB006
- F02613BB012
- F02613BB018
- F02613BB030
- F02613BB033

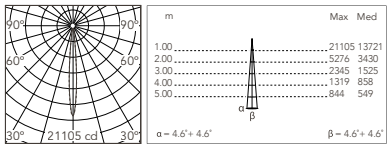
Dali
- F02613BD001
- F02613BD006
- F02613BD012
- F02613BD018
- F02613BD030
- F02613BD033

**4000K**

Non Dimmable
- F02614BA001
- F02614BA006
- F02614BA012
- F02614BA018
- F02614BA030
- F02614BA033

1-10V
- F02614BB001
- F02614BB006
- F02614BB012
- F02614BB018
- F02614BB030
- F02614BB033

Dali
- F02614BD001
- F02614BD006
- F02614BD012
- F02614BD018
- F02614BD030
- F02614BD033




@ 3000K

### Optic Medium Flood 28º

**Power Led:** 10,5W - 920 lm ≠ FIXT 715 lm - 2700K/CRI 80 - 220-240V / 10,5W - 966 lm ≠ FIXT 742 lm - 3000K/CRI 80 - 220-240V / 10,5W - 1012 lm ≠ FIXT 767 lm - 4000K/CRI 80 - 220-240V

**2700K**
Non Dimmable
- F02612CA001
- F02612CA006
- F02612CA012
- F02612CA018
- F02612CA030
- F02612CA033

1-10V
- F02612CB001
- F02612CB006
- F02612CB012
- F02612CB018
- F02612CB030
- F02612CB033

Dali
- F02612CD001
- F02612CD006
- F02612CD012
- F02612CD018
- F02612CD030
- F02612CD033

**3000K**
Non Dimmable
- F02613CA001
- F02613CA006
- F02613CA012
- F02613CA018
- F02613CA030
- F02613CA033

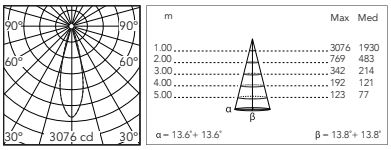
1-10V
- F02613CB001
- F02613CB006
- F02613CB012
- F02613CB018
- F02613CB030
- F02613CB033

Dali
- F02613CD001
- F02613CD006
- F02613CD012
- F02613CD018
- F02613CD030
- F02613CD033

**4000K**
Non Dimmable
- F02614CA001
- F02614CA006
- F02614CA012
- F02614CA018
- F02614CA030
- F02614CA033

1-10V
- F02614CB001
- F02614CB006
- F02614CB012
- F02614CB018
- F02614CB030
- F02614CB033

Dali
- F02614CD001
- F02614CD006
- F02614CD012
- F02614CD018
- F02614CD030
- F02614CD033




@ 3000K

### Optic Flood 33º

**Power Led:** 10,5W - 920 lm ≠ FIXT 695 lm - 2700K/CRI 80 - 220-240V / 10,5W - 966 lm ≠ FIXT 721 lm - 3000K/CRI 80 - 220-240V / 10,5W - 1012 lm ≠ FIXT 746 lm - 4000K/CRI 80 - 220-240V

**2700K**
Non Dimmable
- F02612DA001
- F02612DA006
- F02612DA012
- F02612DA018
- F02612DA030
- F02612DA033

1-10V
- F02612DB001
- F02612DB006
- F02612DB012
- F02612DB018
- F02612DB030
- F02612DB033

Dali
- F02612DD001
- F02612DD006
- F02612DD012
- F02612DD018
- F02612DD030
- F02612DD033

**3000K**
Non Dimmable
- F02613DA001
- F02613DA006
- F02613DA012
- F02613DA018
- F02613DA030
- F02613DA033

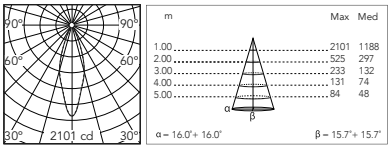
1-10V
- F02613DB001
- F02613DB006
- F02613DB012
- F02613DB018
- F02613DB030
- F02613DB033

Dali
- F02613DD001
- F02613DD006
- F02613DD012
- F02613DD018
- F02613DD030
- F02613DD033

**4000K**
Non Dimmable
- F02614DA001
- F02614DA006
- F02614DA012
- F02614DA018
- F02614DA030
- F02614DA033

1-10V
- F02614DB001
- F02614DB006
- F02614DB012
- F02614DB018
- F02614DB030
- F02614DB033

Dali
- F02614DD001
- F02614DD006
- F02614DD012
- F02614DD018
- F02614DD030
- F02614DD033




@ 3000K

### Optic Wide Flood 51º

**Power Led:** 10,5W - 920 lm ≠ FIXT 711 lm - 2700K/CRI 80 - 220-240V / 10,5W - 966 lm ≠ FIXT 741 lm - 3000K/CRI 80 - 220-240V / 10,5W - 1012 lm ≠ FIXT 778 lm - 4000K/CRI 80 - 220-240V

**2700K**
Non Dimmable
- F02612EA001
- F02612EA006
- F02612EA012
- F02612EA018
- F02612EA030
- F02612EA033

1-10V
- F02612EB001
- F02612EB006
- F02612EB012
- F02612EB018
- F02612EB030
- F02612EB033

Dali
- F02612ED001
- F02612ED006
- F02612ED012
- F02612ED018
- F02612ED030
- F02612ED033

**3000K**
Non Dimmable
- F02613EA001
- F02613EA006
- F02613EA012
- F02613EA018
- F02613EA030
- F02613EA033

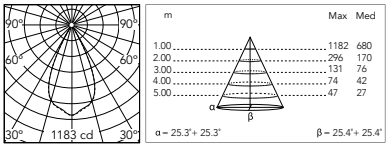
1-10V
- F02613EB001
- F02613EB006
- F02613EB012
- F02613EB018
- F02613EB030
- F02613EB033

Dali
- F02613ED001
- F02613ED006
- F02613ED012
- F02613ED018
- F02613ED030
- F02613ED033

**4000K**
Non Dimmable
- F02614EA001
- F02614EA006
- F02614EA012
- F02614EA018
- F02614EA030
- F02614EA033

1-10V
- F02614EB001
- F02614EB006
- F02614EB012
- F02614EB018
- F02614EB030
- F02614EB033

Dali
- F02614ED001
- F02614ED006
- F02614ED012
- F02614ED018
- F02614ED030
- F02614ED033




@ 3000K

### Optic Elliptical 1 9,5º x 48º

**Power Led:** 10,5W - 920 lm ≠ FIXT 717 lm - 2700K/CRI 80 - 220-240V / 10,5W - 966 lm ≠ FIXT 744 lm - 3000K/CRI 80 - 220-240V / 10,5W - 1012 lm ≠ FIXT 770 lm - 4000K/CRI 80 - 220-240V

**2700K**
Non Dimmable
- F02612FA001
- F02612FA006
- F02612FA012
- F02612FA018
- F02612FA030
- F02612FA033

1-10V
- F02612FB001
- F02612FB006
- F02612FB012
- F02612FB018
- F02612FB030
- F02612FB033

Dali
- F02612FD001
- F02612FD006
- F02612FD012
- F02612FD018
- F02612FD030
- F02612FD033

**3000K**
Non Dimmable
- F02613FA001
- F02613FA006
- F02613FA012
- F02613FA018
- F02613FA030
- F02613FA033

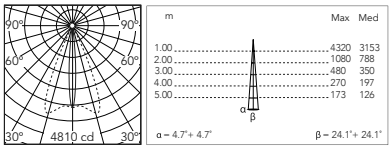
1-10V
- F02613FB001
- F02613FB006
- F02613FB012
- F02613FB018
- F02613FB030
- F02613FB033

Dali
- F02613FD001
- F02613FD006
- F02613FD012
- F02613FD018
- F02613FD030
- F02613FD033

**4000K**
Non Dimmable
- F02614FA001
- F02614FA006
- F02614FA012
- F02614FA018
- F02614FA030
- F02614FA033

1-10V
- F02614FB001
- F02614FB006
- F02614FB012
- F02614FB018
- F02614FB030
- F02614FB033

Dali
- F02614FD001
- F02614FD006
- F02614FD012
- F02614FD018
- F02614FD030
- F02614FD033




@ 3000K

### Optic Elliptical 2 24º x 50º

**Power Led:** 10,5W - 920 lm ≠ FIXT 699 lm - 2700K/CRI 80 - 220-240V / 10,5W - 966 lm ≠ FIXT 725 lm - 3000K/CRI 80 - 220-240V / 10,5W - 1012 lm ≠ FIXT 750 lm - 4000K/CRI 80 - 220-240V

**2700K**
Non Dimmable
- F02612GA001
- F02612GA006
- F02612GA012
- F02612GA018
- F02612GA030
- F02612GA033

1-10V
- F02612GB001
- F02612GB006
- F02612GB012
- F02612GB018
- F02612GB030
- F02612GB033

Dali
- F02612GD001
- F02612GD006
- F02612GD012
- F02612GD018
- F02612GD030
- F02612GD033

**3000K**
Non Dimmable
- F02613GA001
- F02613GA006
- F02613GA012
- F02613GA018
- F02613GA030
- F02613GA033

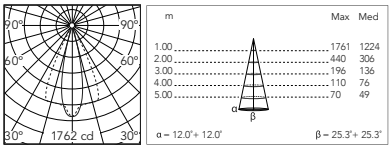
1-10V
- F02613GB001
- F02613GB006
- F02613GB012
- F02613GB018
- F02613GB030
- F02613GB033

Dali
- F02613GD001
- F02613GD006
- F02613GD012
- F02613GD018
- F02613GD030
- F02613GD033

**4000K**
Non Dimmable
- F02614GA001
- F02614GA006
- F02614GA012
- F02614GA018
- F02614GA030
- F02614GA033

1-10V
- F02614GB001
- F02614GB006
- F02614GB012
- F02614GB018
- F02614GB030
- F02614GB033

Dali
- F02614GD001
- F02614GD006
- F02614GD012
- F02614GD018
- F02614GD030
- F02614GD033




@ 3000K

### Optic Wall Washer

**Power Led:** 10,5W - 920 lm ≠ FIXT 673 lm - 2700K/CRI 80 - 220-240V / 10,5W - 966 lm ≠ FIXT 698 lm - 3000K/CRI 80 - 220-240V / 10,5W - 1012 lm ≠ FIXT 672 lm - 4000K/CRI 80 - 220-240V

**2700K**
Non Dimmable
- F02612HA001
- F02612HA006
- F02612HA012
- F02612HA018
- F02612HA030
- F02612HA033

1-10V
- F02612HB001
- F02612HB006
- F02612HB012
- F02612HB018
- F02612HB030
- F02612HB033

Dali
- F02612HD001
- F02612HD006
- F02612HD012
- F02612HD018
- F02612HD030
- F02612HD033

**3000K**
Non Dimmable
- F02613HA001
- F02613HA006
- F02613HA012
- F02613HA018
- F02613HA030
- F02613HA033

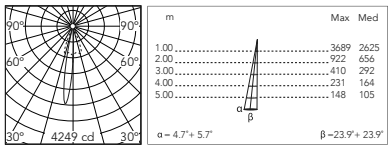
1-10V
- F02613HB001
- F02613HB006
- F02613HB012
- F02613HB018
- F02613HB030
- F02613HB033

Dali
- F02613HD001
- F02613HD006
- F02613HD012
- F02613HD018
- F02613HD030
- F02613HD033

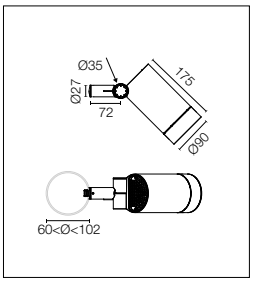
**4000K**
Non Dimmable
- F02614HA001
- F02614HA006
- F02614HA012
- F02614HA018
- F02614HA030
- F02614HA033

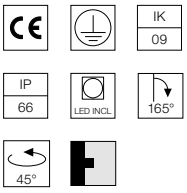
1-10V
- F02614HB001
- F02614HB006
- F02614HB012
- F02614HB018
- F02614HB030
- F02614HB033

Dali
- F02614HD001
- F02614HD006
- F02614HD012
- F02614HD018
- F02614HD030
- F02614HD033




@ 3000K




Energy-efficient Power LED source included Equipped with an integrated snoot for higher visual comfort: the asymmetrical cut visor is available as an accessory. Collimators are available as an accessory to modify the beam opening. Integrated electric power supply 220-240V ON/OFF and adjustable 1-10V or DALI. Integrated support for pole fixing, for poles with a diameter between 60 and 120 mm and a maximum thickness of 3 mm. Equipped with a 5m neoprene cable (10m upon request) for remote connection. To guarantee its water tightness, it is recommended to use flexible cables designed for outdoor use.

2200K available on request.

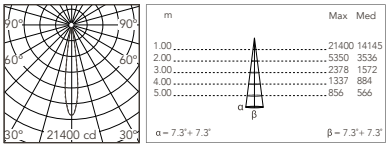
Fuente Power LED de bajo consumo incluida. Equipada con snoot integrado para un confort visual mayor: como accesorio, está disponible el visor de corte asimétrico. Los colimadores son un accesorio disponible para modificar la apertura del haz lumínico. Fuente de alimentación eléctrica 220-240V ON/OFF y regulable 1-10V o DALI integrada. Soporte para la fijación en poste integrad, para postes de 60 a 120 mm de diámetro, espesor máximo de 3 mm. Dotada con sección de cable en neopreno de 5m (10m bajo pedido) para conexión remota; para garantizar la estanqueidad se aconseja emplear cables flexibles para exteriores.

2200K disponible bajo pedido.

### Optic Spot 14,5º

**Power Led:** 17W - 1739 lm ≠ FIXT 1443 lm - 2700K/CRI 80 - 220-240V / 17W - 1803 lm ≠ FIXT 1497 lm - 3000K/CRI 80 - 220-240V / 17W - 1868 lm ≠ FIXT 1548 lm - 4000K/CRI 80 - 220-240V

| 2700K | 3000K | 4000K |
|---|---|---|
| Non Dimmable | Non Dimmable | Non Dimmable |
| ○ F02622BA001 | ○ F02623BA001 | ○ F02624BA001 |
| ● F02622BA006 | ● F02623BA006 | ● F02624BA006 |
| ● F02622BA012 | ● F02623BA012 | ● F02624BA012 |
| ● F02622BA018 | ● F02623BA018 | ● F02624BA018 |
| ● F02622BA030 | ● F02623BA030 | ● F02624BA030 |
| ● F02622BA033 | ● F02623BA033 | ● F02624BA033 |
| 1-10V | 1-10V | 1-10V |
| ○ F02622BB001 | ○ F02623BB001 | ○ F02624BB001 |
| ● F02622BB006 | ● F02623BB006 | ● F02624BB006 |
| ● F02622BB012 | ● F02623BB012 | ● F02624BB012 |
| ● F02622BB018 | ● F02623BB018 | ● F02624BB018 |
| ● F02622BB030 | ● F02623BB030 | ● F02624BB030 |
| ● F02622BB033 | ● F02623BB033 | ● F02624BB033 |
| Dali | Dali | Dali |
| ○ F02622BD001 | ○ F02623BD001 | ○ F02624BD001 |
| ● F02622BD006 | ● F02623BD006 | ● F02624BD006 |
| ● F02622BD012 | ● F02623BD012 | ● F02624BD012 |
| ● F02622BD018 | ● F02623BD018 | ● F02624BD018 |
| ● F02622BD030 | ● F02623BD030 | ● F02624BD030 |
| ● F02622BD033 | ● F02623BD033 | ● F02624BD033 |

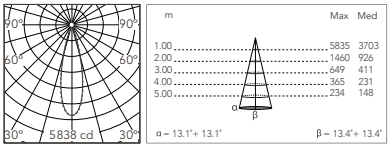



@ 3000K

### Optic Medium Flood 26º

**Power Led:** 17W - 1739 lm ≠ FIXT 1336 lm - 2700K/CRI 80 - 220-240V / 17W - 1803 lm ≠ FIXT 1386 lm - 3000K/CRI 80 - 220-240V / 17W - 1868 lm ≠ FIXT 1434 lm - 4000K/CRI 80 - 220-240V

| 2700K | 3000K | 4000K |
|---|---|---|
| Non Dimmable | Non Dimmable | Non Dimmable |
| ○ F02622CA001 | ○ F02623CA001 | ○ F02624CA001 |
| ● F02622CA006 | ● F02623CA006 | ● F02624CA006 |
| ● F02622CA012 | ● F02623CA012 | ● F02624CA012 |
| ● F02622CA018 | ● F02623CA018 | ● F02624CA018 |
| ● F02622CA030 | ● F02623CA030 | ● F02624CA030 |
| ● F02622CA033 | ● F02623CA033 | ● F02624CA033 |
| 1-10V | 1-10V | 1-10V |
| ○ F02622CB001 | ○ F02623CB001 | ○ F02624CB001 |
| ● F02622CB006 | ● F02623CB006 | ● F02624CB006 |
| ● F02622CB012 | ● F02623CB012 | ● F02624CB012 |
| ● F02622CB018 | ● F02623CB018 | ● F02624CB018 |
| ● F02622CB030 | ● F02623CB030 | ● F02624CB030 |
| ● F02622CB033 | ● F02623CB033 | ● F02624CB033 |
| Dali | Dali | Dali |
| ○ F02622CD001 | ○ F02623CD001 | ○ F02624CD001 |
| ● F02622CD006 | ● F02623CD006 | ● F02624CD006 |
| ● F02622CD012 | ● F02623CD012 | ● F02624CD012 |
| ● F02622CD018 | ● F02623CD018 | ● F02624CD018 |
| ● F02622CD030 | ● F02623CD030 | ● F02624CD030 |
| ● F02622CD033 | ● F02623CD033 | ● F02624CD033 |




@ 3000K

### Optic Flood 36º

**Power Led:** 17W - 1739 lm ≠ FIXT 1302 lm - 2700K/CRI 80 - 220-240V / 17W - 1803 lm ≠ FIXT 1351 lm - 3000K/CRI 80 - 220-240V / 17W - 1868 lm ≠ FIXT 1397 lm - 4000K/CRI 80 - 220-240V

**2700K**
Non Dimmable
- F02622DA001
- F02622DA006
- F02622DA012
- F02622DA018
- F02622DA030
- F02622DA033

1-10V
- F02622DB001
- F02622DB006
- F02622DB012
- F02622DB018
- F02622DB030
- F02622DB033

Dali
- F02622DD001
- F02622DD006
- F02622DD012
- F02622DD018
- F02622DD030
- F02622DD033

**3000K**
Non Dimmable
- F02623DA001
- F02623DA006
- F02623DA012
- F02623DA018
- F02623DA030
- F02623DA033

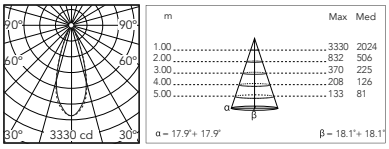
1-10V
- F02623DB001
- F02623DB006
- F02623DB012
- F02623DB018
- F02623DB030
- F02623DB033

Dali
- F02623DD001
- F02623DD006
- F02623DD012
- F02623DD018
- F02623DD030
- F02623DD033

**4000K**
Non Dimmable
- F02624DA001
- F02624DA006
- F02624DA012
- F02624DA018
- F02624DA030
- F02624DA033

1-10V
- F02624DB001
- F02624DB006
- F02624DB012
- F02624DB018
- F02624DB030
- F02624DB033

Dali
- F02624DD001
- F02624DD006
- F02624DD012
- F02624DD018
- F02624DD030
- F02624DD033




@ 3000K

### Optic Wide Flood 52º

**Power Led:** 17W - 1739 lm ≠ FIXT 1303 lm - 2700K/CRI 80 - 220-240V / 17W - 1803 lm ≠ FIXT 1357 lm - 3000K/CRI 80 - 220-240V / 17W - 1868 lm ≠ FIXT 1411 lm - 4000K/CRI 80 - 220-240V

**2700K**
Non Dimmable
- F02622EA001
- F02622EA006
- F02622EA012
- F02622EA018
- F02622EA030
- F02622EA033

1-10V
- F02622EB001
- F02622EB006
- F02622EB012
- F02622EB018
- F02622EB030
- F02622EB033

Dali
- F02622ED001
- F02622ED006
- F02622ED012
- F02622ED018
- F02622ED030
- F02622ED033

**3000K**
Non Dimmable
- F02623EA001
- F02623EA006
- F02623EA012
- F02623EA018
- F02623EA030
- F02623EA033

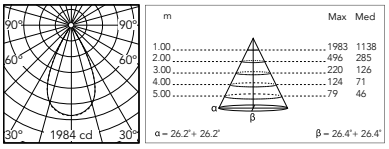
1-10V
- F02623EB001
- F02623EB006
- F02623EB012
- F02623EB018
- F02623EB030
- F02623EB033

Dali
- F02623ED001
- F02623ED006
- F02623ED012
- F02623ED018
- F02623ED030
- F02623ED033

**4000K**
Non Dimmable
- F02624EA001
- F02624EA006
- F02624EA012
- F02624EA018
- F02624EA030
- F02624EA033

1-10V
- F02624EB001
- F02624EB006
- F02624EB012
- F02624EB018
- F02624EB030
- F02624EB033

Dali
- F02624ED001
- F02624ED006
- F02624ED012
- F02624ED018
- F02624ED030
- F02624ED033




@ 3000K

### Optic Elliptical 1 14º x 50º

**Power Led:** 17W - 1739 lm ≠ FIXT 1315 lm - 2700K/CRI 80 - 220-240V / 17W - 1803 lm ≠ FIXT 1364 lm - 3000K/CRI 80 - 220-240V / 17W - 1868 lm ≠ FIXT 1410 lm - 4000K/CRI 80 - 220-240V

**2700K**
Non Dimmable
- F02622FA001
- F02622FA006
- F02622FA012
- F02622FA018
- F02622FA030
- F02622FA033

1-10V
- F02622FB001
- F02622FB006
- F02622FB012
- F02622FB018
- F02622FB030
- F02622FB033

Dali
- F02622FD001
- F02622FD006
- F02622FD012
- F02622FD018
- F02622FD030
- F02622FD033

**3000K**
Non Dimmable
- F02623FA001
- F02623FA006
- F02623FA012
- F02623FA018
- F02623FA030
- F02623FA033

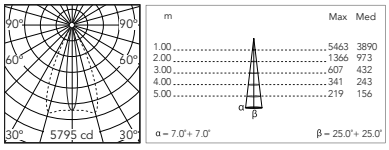
1-10V
- F02623FB001
- F02623FB006
- F02623FB012
- F02623FB018
- F02623FB030
- F02623FB033

Dali
- F02623FD001
- F02623FD006
- F02623FD012
- F02623FD018
- F02623FD030
- F02623FD033

**4000K**
Non Dimmable
- F02624FA001
- F02624FA006
- F02624FA012
- F02624FA018
- F02624FA030
- F02624FA033

1-10V
- F02624FB001
- F02624FB006
- F02624FB012
- F02624FB018
- F02624FB030
- F02624FB033

Dali
- F02624FD001
- F02624FD006
- F02624FD012
- F02624FD018
- F02624FD030
- F02624FD033




@ 3000K

### Optic Elliptical 2 25º x 52º

**Power Led:** 17W - 1739 lm ≠ FIXT 1298 lm - 2700K/CRI 80 - 220-240V / 17W - 1803 lm ≠ FIXT 1351 lm - 3000K/CRI 80 - 220-240V / 17W - 1868 lm ≠ FIXT 1393 lm - 4000K/CRI 80 - 220-240V

**2700K**

Non Dimmable
- F02622GA001
- F02622GA006
- F02622GA012
- F02622GA018
- F02622GA030
- F02622GA033

1-10V
- F02622GB001
- F02622GB006
- F02622GB012
- F02622GB018
- F02622GB030
- F02622GB033

Dali
- F02622GD001
- F02622GD006
- F02622GD012
- F02622GD018
- F02622GD030
- F02622GD033

**3000K**

Non Dimmable
- F02623GA001
- F02623GA006
- F02623GA012
- F02623GA018
- F02623GA030
- F02623GA033

1-10V
- F02623GB001
- F02623GB006
- F02623GB012
- F02623GB018
- F02623GB030
- F02623GB033

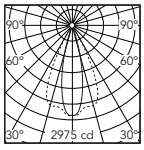
Dali
- F02623GD001
- F02623GD006
- F02623GD012
- F02623GD018
- F02623GD030
- F02623GD033

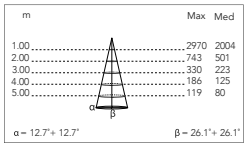
**4000K**

Non Dimmable
- F02624GA001
- F02624GA006
- F02624GA012
- F02624GA018
- F02624GA030
- F02624GA033

1-10V
- F02624GB001
- F02624GB006
- F02624GB012
- F02624GB018
- F02624GB030
- F02624GB033

Dali
- F02624GD001
- F02624GD006
- F02624GD012
- F02624GD018
- F02624GD030
- F02624GD033




@ 3000K

### Optic Wall Washer

**Power Led:** 17W - 1739 lm ≠ FIXT 1277 lm - 2700K/CRI 80 - 220-240V / 17W - 1803 lm ≠ FIXT 1325 lm - 3000K/CRI 80 - 220-240V / 17W - 1868 lm ≠ FIXT 1370 lm - 4000K/CRI 80 - 220-240V

**2700K**

Non Dimmable
- F02622HA001
- F02622HA006
- F02622HA012
- F02622HA018
- F02622HA030
- F02622HA033

1-10V
- F02622HB001
- F02622HB006
- F02622HB012
- F02622HB018
- F02622HB030
- F02622HB033

Dali
- F02622HD001
- F02622HD006
- F02622HD012
- F02622HD018
- F02622HD030
- F02622HD033

**3000K**

Non Dimmable
- F02623HA001
- F02623HA006
- F02623HA012
- F02623HA018
- F02623HA030
- F02623HA033

1-10V
- F02623HB001
- F02623HB006
- F02623HB012
- F02623HB018
- F02623HB030
- F02623HB033

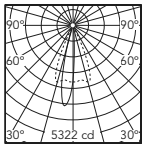
Dali
- F02623HD001
- F02623HD006
- F02623HD012
- F02623HD018
- F02623HD030
- F02623HD033

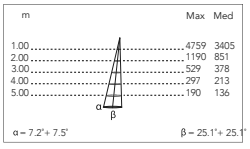
**4000K**

Non Dimmable
- F02624HA001
- F02624HA006
- F02624HA012
- F02624HA018
- F02624HA030
- F02624HA033

1-10V
- F02624HB001
- F02624HB006
- F02624HB012
- F02624HB018
- F02624HB030
- F02624HB033

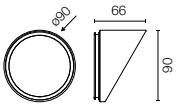
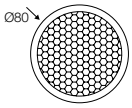
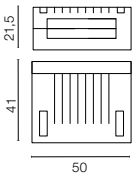
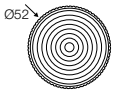
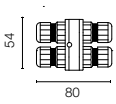
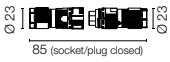
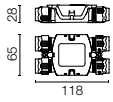
Dali
- F02624HD001
- F02624HD006
- F02624HD012
- F02624HD018
- F02624HD030
- F02624HD033



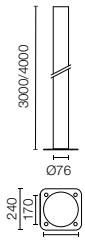
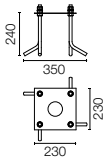
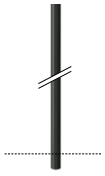
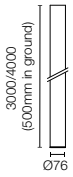
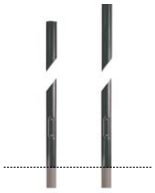
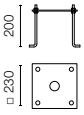




@ 3000K

## Spine T 2 Ultra: Accessories / Accesorios

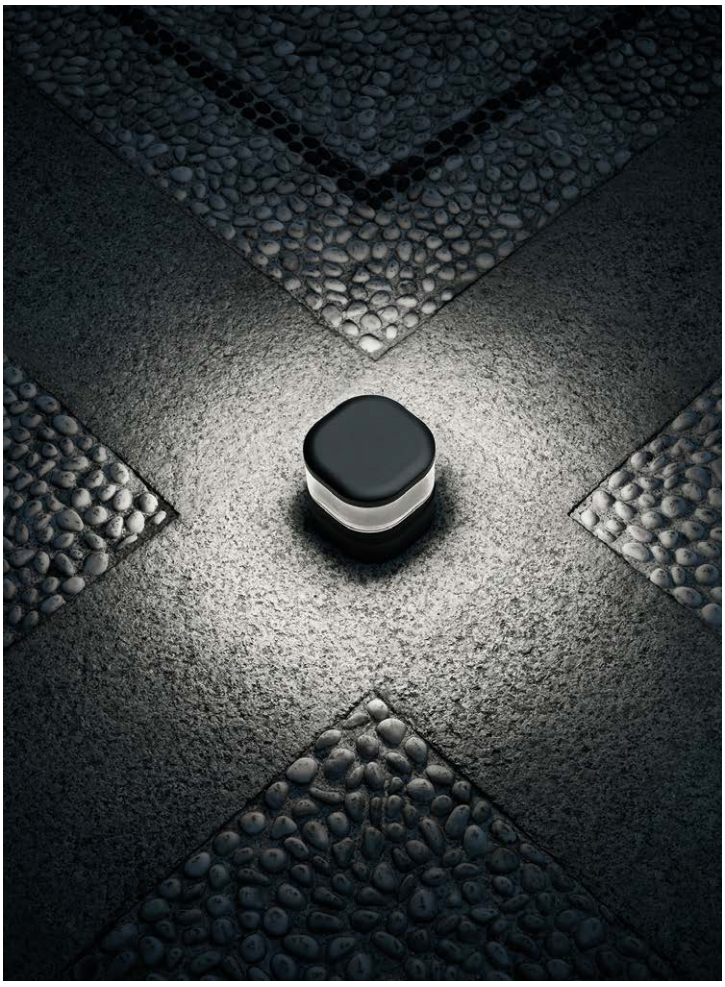
| | | | | |
|---|---|---|---|---|
| Visor | Visor | ○ F026Z050001<br>● F026Z050006<br>● F026Z050012<br>● F026Z050018<br>● F026Z050030<br>● F026Z050033 | |   |
| Honeycomb | Honeycomb Louvre | F026Z060000 | |   |
| Gelbox IPX8 for splicing connectors. | Caja de gel IPX8 para la conexión eléctrica. | F990C110000 | |   |
| Converter lenses / Lentes de conversión:<br>- Converter Spine 2 Optic Medium Flood<br>- Converter Spine 2 Optic Flood<br>- Converter Spine 2 Optic Wide Flood<br>- Converter Spine 2 Optic Elliptic 1<br>- Converter Spine 2 Optic Elliptic 2<br>- Converter Spine 2 Optic Wall Washer | | <br>F029Z020000<br>F029Z021000<br>F029Z022000<br>F029Z023000<br>F029Z024000<br>F029Z025000 | |   |
| 2 way terminal block 4 poles IP68 H2O Stop. | Bloque de terminales IP68 H2O Stop anticondensación con 2 vías y 4 polos. | F990C00A000 | | |
| 3/4 way terminal block 4 poles IP68 H2O Stop. (ø5,5÷12mm cable). | Bloque de terminales IP68 H2O Stop anticondensación con 3/4 vías y 4 polos. (Cable ø5,5÷12 mm). | F990C010000 | |   |
| Connector kit 5-pole flying socket + EU plug IP68. | Kit de conectores de 5 polos enchufe volante + enchufe UE IP68. | F990C080000 | |   |
| 4 way junction box 5 poles IP68 (6-14 mm cables). | Caja de derivación de 5 polos y 4 vías IP68 (cables de 6-14 mm). | F990C030000 | |   |

## Spine T: Accessories / Accesorios

| | | | | |
|---|---|---|---|---|
| Spine, Ø76 mm, painted aluminum pole with foot. | Spine poste Ø76 mm en aluminio barnizado con pie. | H: 3000 mm<br>● F026Z200006<br>● F026Z200018<br>● F026Z200033<br>H: 4000 mm<br>● F026Z210006<br>● F026Z210018<br>● F026Z210033 | |  |
| Base plate with bolt for alluminium Pole Ø76 mm with base version. | Placa base con tirafodos para poste de aluminio de Ø76 mm con versión de base. | F990G300000 | |  |
| Spine, Ø76 mm, painted aluminum pole for in ground installation (+500 mm into the ground) | Spine poste Ø76 mm en aluminio barnizado para enterrar (+500 mm en el suelo). | H: 3000 mm<br>● F026Z220006<br>● F026Z220018<br>● F026Z220033<br>H: 4000 mm<br>● F026Z230006<br>● F026Z230018<br>● F026Z230033 |  |  |
| Pole Ø76 mm with Base and Access Door.<br>With Terminal Block 4x1,5-16mmq. | Con base y con caja de conexión registrable.<br>With Terminal Block 4x1,5-16mmq. | H 3500 mm<br>● FA24806<br>● FA24833<br>H 4500 mm<br>● FA24906<br>● FA24933 | | |
| Pole Ø76 mm In-Ground (+500 mm Root) With Access Door<br>With Terminal Block 4x1,5-16mmq | Empotrable (+500 mm por debajo del nivel del suelo) With Access Door<br>With Terminal Block 4x1,5-16mmq | H 3500 mm<br>● FA25006<br>● FA25033<br>H 4500 mm<br>● FA25106<br>● FA25133 |  | |
| Pole Ø102 mm with Base and Access Door.<br>With Terminal Block 4x1,5-16mmq. | Con base y con caja de conexión registrable.<br>With Terminal Block 4x1,5-16mmq. | H 4000 mm<br>● FA414006<br>● FA414033<br>H 5000 mm<br>● FA415006<br>● FA415033 | | |
| Pole Ø102 mm In-Ground (+500 mm Root) With Access Door<br>With Terminal Block 4x1,5-16mmq | Empotrable (+500 mm por debajo del nivel del suelo) With Access Door<br>With Terminal Block 4x1,5-16mmq | H 4000 mm<br>● FA414506<br>● FA414533<br>H 5000 mm<br>● FA415506<br>● FA415533 | | |
| Bolt plate for Pole Ø76 mm or Ø102 mm with base. | Placa con tirafondos para poste de Ø76 mm o Ø102 mm con base. | FA116 | |  |

# Pointbreak

Designed by Piero Lissoni



Pointbreak Ballisage 2

Pointbreak Wall 1

Pointbreak Ceiling 2

## Family / Familia

Pointbreak Bollard 1

**Power Led**
5,6W
274 lm - 2700K/CRI 80
285 lm - 3000K/CRI 80
307 lm - 4000K/CRI 80
2200K available on request.

Pointbreak Balisage 1

**Power Led**
5,6W
274 lm - 2700K/CRI 80
285 lm - 3000K/CRI 80
307 lm - 4000K/CRI 80
2200K available on request.

Pointbreak Bollard 2

**Power Led**
12,5W
600 lm - 2700K/CRI 80
624 lm - 3000K/CRI 80
672 lm - 4000K/CRI 80
2200K available on request.

Pointbreak Balisage 2

**Power Led**
12,5W
600 lm - 2700K/CRI 80
624 lm - 3000K/CRI 80
672 lm - 4000K/CRI 80
2200K available on request.

## Colours / Colores



01 White

06 Grey

12 Forest Green

18 Deep Brown

30 Black

33 Anthracite

## Pointbreak Wall 0

**Power Led**
2,1W
up to 101 lm - 2700K/CRI 80
up to 104 lm - 3000K/CRI 80
up to 108 lm - 4000K/CRI 80
2200K available on request.

**Power Led**
3,1W
up to 2x101 lm - 2700K/CRI 80
up to 2x104 lm - 3000K/CRI 80
up to 2x108 lm - 4000K/CRI 80
2200K available on request.

## Pointbreak Wall 1

**Power Led**
5,5W
319 lm - 2700K/CRI 80
335 lm - 3000K/CRI 80
367 lm - 4000K/CRI 80

**Power Led**
12W
2x319 lm - 2700K/CRI 80
2x335 lm - 3000K/CRI 80
2x367 lm - 4000K/CRI 80

## Pointbreak Wall 2

**Power Led**
17W
1108 lm - 2700K/CRI 80
1149 lm - 3000K/CRI 80
1190 lm - 4000K/CRI 80
2200K available on request.

**Power Led**
32W
2x1108 lm - 2700K/CRI 80
2x1149 lm - 3000K/CRI 80
2x1190 lm - 4000K/CRI 80
2200K available on request.

## Pointbreak Ceiling 0

**Power Led**
2,1W
up to 101 lm - 2700K/CRI 80
up to 104 lm - 3000K/CRI 80
up to 108 lm - 4000K/CRI 80
2200K available on request.

## Pointbreak Ceiling 1

**Power Led**
5,5W
319 lm - 2700K/CRI 80
335 lm - 3000K/CRI 80
367 lm - 4000K/CRI 80

## Pointbreak Ceiling 2

**Power Led**
17W
1108 lm - 2700K/CRI 80
1149 lm - 3000K/CRI 80
1190 lm - 4000K/CRI 80
2200K available on request.

**Pointbreak Bollard**
Collection of outdoor bollards with an exclusive design and LED light source, characterized by high-performance optics. The unique squircle shape is available in three sizes and three heights. The body structure comes in extruded aluminum, the head of the luminaire in cast aluminum, and the diffuser is made of transparent, UV-stabilized polycarbonate with scratch-resistant surface treatment. The optics integrated in the head allows an asymmetric, downward radial light emission that, combined with an aluminum reflector painted in absolute black, avoids indirect reflections in compliance with current light pollution laws.
Available in different finishes with a double layer of powder coating and chemical conversion surface treatment to ensure high resistance against corrosion.
Bollard versions may be easily installed on any flooring on the ground with anchors by using the high-resistance, corrosion-free technopolymer base and a fixing element, allowing a fine adjustment; or by using the specific accessory anchoring plate for a flawless integration of the base of the product with the ground. The anchoring hardware is made of AISI 316L burnished for dark finishes.

**Pointbreak Balisage**
Collection of partially-recessed outdoor luminaires with an exclusive design and LED light source, characterized by high-performance optics.
The unique squircle shape is available in two sizes and two heights. The body structure comes in extruded aluminum, the head of the luminaire in cast aluminum, and the diffuser is made of transparent, UV-stabilized polycarbonate with scratch-resistant surface treatment. The optics integrated in the head allows an asymmetric, downward radial light emission that, combined with an aluminum reflector painted in absolute black, avoids indirect reflections in compliance with current light pollution laws.
Available in different finishes with a double layer of powder coating and chemical conversion surface treatment to ensure high resistance against corrosion.
Patented anticorrosive treatment (ACT) for the part fitted into the ground.
Balisage versions are easily installed on the ground with a mandatory special box for installation, to be ordered separately.

**Pointbreak Wall**
Collection of outdoor wall luminaires with an exclusive design and LED light source, characterized by high-performance optics.
The unique squircle shape is available in three sizes, with uni- or bi-directional emission. Cast aluminum structure with transparent closing glass. The integrated optics, located at the bottom, uses patented lenses and is protected by an absolute black screening to optimize visual comfort while maintaining high performance.
Available in different finishes with a double layer of powder coating and chemical conversion surface treatment to ensure high resistance against corrosion.
The installation is made using a highly resistant and corrosion-free PBT (polybutylenterephtalate) bracket. Double cable gland installed directly in the body of the luminaire for inlet and outlet connection.

**Pointbreak Ceiling**
Collection of outdoor ceiling luminaires with an exclusive design and LED light source, characterized by high-performance optics.
The unique squircle shape is available in three sizes. Cast aluminum structure with transparent closing glass. The integrated optics, located at the bottom, uses patented lenses and is protected by an absolute black screening to optimize visual comfort while maintaining high performance.
Available in different finishes with a double layer of powder coating and chemical conversion surface treatment to ensure high resistance against corrosion.
Installation is made with a fixing component that allows a fine adjustment. Double cable gland installed directly in the body of the luminaire for inlet and outlet connection.

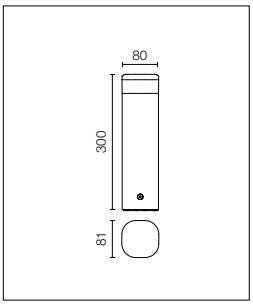
**Pointbreak Bollard**
Colección de bolardos para exteriores con diseño exclusivo y fuente de luz LED, caracterizada por una óptica de alto rendimiento.
La exclusiva forma de supercírculo está disponible en tres tamaños y tres alturas. Estructura del cuerpo en aluminio extruido, cabezal de la luminaria en aluminio fundido, difusor en policarbonato transparente con tratamiento superficial antirayas y estabilizado para rayos UV. La óptica integrada en el cabezal permite una emisión de luz radial asimétrica dirigida hacia abajo que, combinada con el reflector de aluminio pintado en negro absoluto, evita los reflejos indirectos para cumplir con las leyes vigentes sobre contaminación lumínica.
Disponible en diferentes acabados con recubrimiento de polvo de doble capa y tratamiento superficial de conversión química para garantizar una elevada resistencia ante la corrosión.
Las versiones Bollard pueden instalarse fácilmente en cualquier tipo de suelo con tacos utilizando la base en tecnopolímero de alta resistencia y libre de corrosión y el elemento de fijación que permite un ajuste preciso, o utilizando la placa de anclaje accesoria específica para que la base del producto quede totalmente integrada en el suelo. Los tornillos de fijación del bolardo son de acero inoxidable AISI 316L bruñido para acabados oscuros.

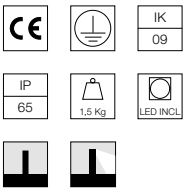
**Pointbreak Balisage**
Colección de luminarias parcialmente empotrables para exteriores con diseño exclusivo y fuente de luz LED, caracterizada por una óptica de alto rendimiento.
La exclusiva forma de supercírculo está disponible en dos tamaños y dos alturas. Estructura del cuerpo en aluminio extruido, cabezal de la luminaria en aluminio fundido, difusor en policarbonato transparente con tratamiento superficial antirayas y estabilizado para rayos UV. La óptica integrada en el cabezal permite una emisión de luz radial asimétrica dirigida hacia abajo que, combinada con el reflector de aluminio pintado en negro absoluto, evita los reflejos indirectos para cumplir con las leyes vigentes sobre contaminación lumínica.
Disponible en diferentes acabados con recubrimiento de polvo de doble capa y tratamiento superficial de conversión química para garantizar una elevada resistencia ante la corrosión.
Tratamiento anticorrosivo (ACT) patentado para la parte encajada en el suelo.
Las versiones balisage se instalan fácilmente en el suelo utilizando un encofrado especial obligatorio que debe pedirse por separado.

**Pointbreak Wall**
Colección de luminarias de pared para exteriores con diseño exclusivo y fuente de luz LED, caracterizada por una óptica de alto rendimiento.
La exclusiva forma de supercírculo está disponible en tres tamaños, con emisión unidireccional o bidireccional. Estructura de aluminio fundido con cristal de cierre transparente. La óptica integrada, situada en la parte inferior, utiliza lentes patentadas y está protegida por un apantallamiento de color negro absoluto, para optimizar el confort visual manteniendo un alto rendimiento.
Disponible en diferentes acabados con recubrimiento de polvo de doble capa y tratamiento superficial de conversión química para garantizar una elevada resistencia ante la corrosión.
La instalación se realiza mediante un soporte de PBT (tereftalato de polibutileno) de gran resistencia y libre de corrosión. Prensaestopas doble instalado directamente en el cuerpo de la luminaria para permitir el cableado de entrada y salida.

**Pointbreak Ceiling**
Colección de luminarias de techo para exteriores con diseño exclusivo y fuente de luz LED, caracterizada por una óptica de alto rendimiento.
La exclusiva forma de supercírculo está disponible en tres tamaños. Estructura de aluminio fundido con cristal de cierre transparente. La óptica integrada, situada en la parte inferior, utiliza lentes patentadas y está protegida por un apantallamiento de color negro absoluto, para optimizar el confort visual manteniendo un alto rendimiento.
Disponible en diferentes acabados con recubrimiento de polvo de doble capa y tratamiento superficial de conversión química para garantizar una elevada resistencia ante la corrosión.
La instalación se realiza mediante un elemento de fijación que permite un ajuste preciso. Prensaestopas doble instalado directamente en el cuerpo de la luminaria para permitir el cableado de entrada y salida.

## Pointbreak Bollard 1 - 300




LED light source included. Integrated 220-240V ON/OFF and 1-10V/DALI dimmable electrical power. Equipped with one piece of neoprene output cable. IP68 junction system to be ordered separately. The luminaire may be easily installed on any type of floor with anchors. The anchoring plate for installation on flooring to be concreted must be ordered separately.

2200K available on request.

Fuente de luz LED incluida. Alimentación eléctrica integrada 220-240V ON/OFF y regulable 1-10V o DALI. Equipado con una pieza de cable de salida de neopreno. La junta IP68 debe pedirse por separado.
La luminaria debe ser instalada con encofrado obligatorio que debe pedirse por separado.

2200K disponible bajo pedido.

**Mid - Power Led:** 5,6W - 576 lm ≠ FIXT 274 lm - 2700K/CRI>80 - 220-240V / 5,6W - 600 lm ≠ FIXT 285 lm - 3000K/CRI>80 - 220-240V / 5,6W - 625 lm ≠ FIXT 307 lm - 4000/CRI>80 - 220-240V

**2700K**
Non Dimmable
- F023E2AA001
- F023E2AA006
- F023E2AA012
- F023E2AA018
- F023E2AA030
- F023E2AA033

1-10V
- F023E2AB001
- F023E2AB006
- F023E2AB012
- F023E2AB018
- F023E2AB030
- F023E2AB033

Dali
- F023E2AD001
- F023E2AD006
- F023E2AD012
- F023E2AD018
- F023E2AD030
- F023E2AD033

**3000K**
Non Dimmable
- F023E3AA001
- F023E3AA006
- F023E3AA012
- F023E3AA018
- F023E3AA030
- F023E3AA033

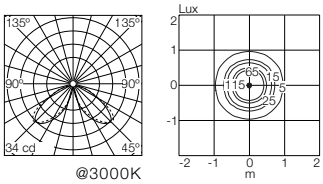
1-10V
- F023E3AB001
- F023E3AB006
- F023E3AB012
- F023E3AB018
- F023E3AB030
- F023E3AB033

Dali
- F023E3AD001
- F023E3AD006
- F023E3AD012
- F023E3AD018
- F023E3AD030
- F023E3AD033

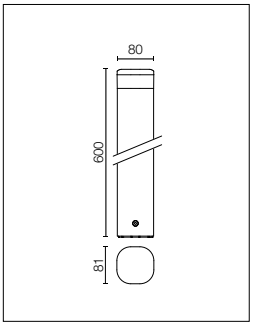
**4000K**
Non Dimmable
- F023E4AA001
- F023E4AA006
- F023E4AA012
- F023E4AA018
- F023E4AA030
- F023E4AA033

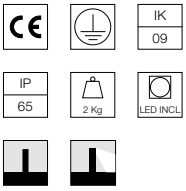
1-10V
- F023E4AB001
- F023E4AB006
- F023E4AB012
- F023E4AB018
- F023E4AB030
- F023E4AB033

Dali
- F023E4AD001
- F023E4AD006
- F023E4AD012
- F023E4AD018
- F023E4AD030
- F023E4AD033




## Pointbreak Bollard 1 - 600




LED light source included. Integrated 220-240V ON/OFF and 1-10V/DALI dimmable electrical power. Equipped with one piece of neoprene output cable. IP68 junction system to be ordered separately. The luminaire may be easily installed on any type of floor with anchors. The anchoring plate for installation on flooring to be concreted must be ordered separately.

2200K available on request.

Fuente de luz LED incluida. Alimentación eléctrica integrada 220-240V ON/OFF y regulable 1-10V o DALI. Equipado con una pieza de cable de salida de neopreno. La junta IP68 debe pedirse por separado.
La luminaria debe ser instalada con encofrado obligatorio que debe pedirse por separado.

2200K disponible bajo pedido.

**Mid - Power Led:** 5,6W - 576 lm ≠ FIXT 274 lm - 2700K/CRI>80 - 220-240V / 5,6W - 600 lm ≠ FIXT 285 lm - 3000K/CRI>80 - 220-240V / 5,6W - 625 lm ≠ FIXT 307 lm - 4000/CRI>80 - 220-240V

**2700K**
Non Dimmable
- F023E2BA001
- F023E2BA006
- F023E2BA012
- F023E2BA018
- F023E2BA030
- F023E2BA033

1-10V
- F023E2BB001
- F023E2BB006
- F023E2BB012
- F023E2BB018
- F023E2BB030
- F023E2BB033

Dali
- F023E2BD001
- F023E2BD006
- F023E2BD012
- F023E2BD018
- F023E2BD030
- F023E2BD033

**3000K**
Non Dimmable
- F023E3BA001
- F023E3BA006
- F023E3BA012
- F023E3BA018
- F023E3BA030
- F023E3BA033

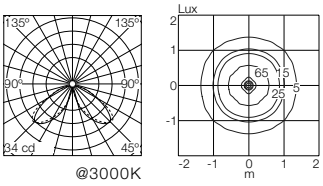
1-10V
- F023E3BB001
- F023E3BB006
- F023E3BB012
- F023E3BB018
- F023E3BB030
- F023E3BB033

Dali
- F023E3BD001
- F023E3BD006
- F023E3BD012
- F023E3BD018
- F023E3BD030
- F023E3BD033

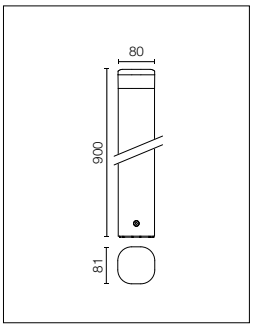
**4000K**
Non Dimmable
- F023E4BA001
- F023E4BA006
- F023E4BA012
- F023E4BA018
- F023E4BA030
- F023E4BA033

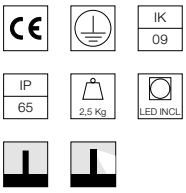
1-10V
- F023E4BB001
- F023E4BB006
- F023E4BB012
- F023E4BB018
- F023E4BB030
- F023E4BB033

Dali
- F023E4BD001
- F023E4BD006
- F023E4BD012
- F023E4BD018
- F023E4BD030
- F023E4BD033



## Pointbreak Bollard 1 - 900




LED light source included. Integrated 220-240V ON/OFF and 1-10V/DALI dimmable electrical power. Equipped with one piece of neoprene output cable. IP68 junction system to be ordered separately. The luminaire may be easily installed on any type of floor with anchors. The anchoring plate for installation on flooring to be concreted must be ordered separately.

2200K available on request.

Fuente de luz LED incluida. Alimentación eléctrica integrada 220-240V ON/OFF y regulable 1-10V o DALI. Equipado con una pieza de cable de salida de neopreno. La junta IP68 debe pedirse por separado.
La luminaria debe ser instalada con encofrado obligatorio que debe pedirse por separado.

2200K disponible bajo pedido.

**Mid - Power Led:** 5,6W - 576 lm ≠ FIXT 274 lm - 2700K/CRI>80 - 220-240V / 5,6W - 600 lm ≠ FIXT 285 lm - 3000K/CRI>80 - 220-240V / 5,6W - 625 lm ≠ FIXT 307 lm - 4000/CRI>80 - 220-240V

**2700K**
Non Dimmable
- ○ F023E2CA001
- ● F023E2CA006
- ● F023E2CA012
- ● F023E2CA018
- ● F023E2CA030
- ● F023E2CA033

1-10V
- ○ F023E2CB001
- ● F023E2CB006
- ● F023E2CB012
- ● F023E2CB018
- ● F023E2CB030
- ● F023E2CB033

Dali
- ○ F023E2CD001
- ● F023E2CD006
- ● F023E2CD012
- ● F023E2CD018
- ● F023E2CD030
- ● F023E2CD033

**3000K**
Non Dimmable
- ○ F023E3CA001
- ● F023E3CA006
- ● F023E3CA012
- ● F023E3CA018
- ● F023E3CA030
- ● F023E3CA033

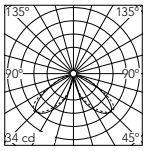
1-10V
- ○ F023E3CB001
- ● F023E3CB006
- ● F023E3CB012
- ● F023E3CB018
- ● F023E3CB030
- ● F023E3CB033

Dali
- ○ F023E3CD001
- ● F023E3CD006
- ● F023E3CD012
- ● F023E3CD018
- ● F023E3CD030
- ● F023E3CD033

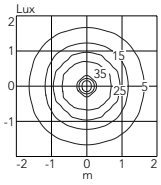
**4000K**
Non Dimmable
- ○ F023E4CA001
- ● F023E4CA006
- ● F023E4CA012
- ● F023E4CA018
- ● F023E4CA030
- ● F023E4CA033

1-10V
- ○ F023E4CB001
- ● F023E4CB006
- ● F023E4CB012
- ● F023E4CB018
- ● F023E4CB030
- ● F023E4CB033

Dali
- ○ F023E4CD001
- ● F023E4CD006
- ● F023E4CD012
- ● F023E4CD018
- ● F023E4CD030
- ● F023E4CD033




@3000K




## Pointbreak Mono Emission 180º

Pointbreak Bollard is also available as a single-emission version (180º) thanks to a special shaped shutter integrated in the watertight optical unit.

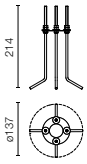
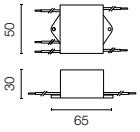
On request, the beam can be modified to 90º or 270º.

Pointbreak Bollard también está disponible en una versión de emisión única (180º) gracias a un obturador de forma especial integrado en la unidad óptica estanca.

La emisión de luz puede modificarse a 90º o a 270º, siempre bajo pedido.

* Preliminary technical specs and photometries. / Datos técnicos y fotometrías preliminares.

## Pointbreak: Accessories / Accesorios

| | | | | |
|---|---|---|---|---|
| Base plate with bolt. | Placa con tirafondos. | Pointbreak Bollard 1<br>F023Z050000 | |  |
| Surge protection device. 275Vac. Maximum discharge current 10KA (8/20us). Maximum operating current 5A. Suitable for series connection. IP66. | Dispositivo de protección contra sobrecargas. 275 Vac. Corriente de descarga máxima 10KA (8/20us). Corriente máxima de funcionamiento 5A. Apta para conexión en serie. IP66. | Pointbreak Bollard<br>F990E00A000 | |  |

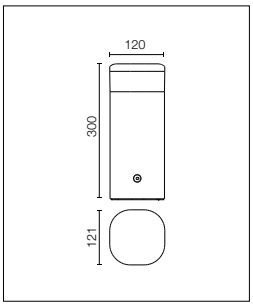
## Pointbreak: Accessories for non-dimmable versions / Accesorios para las versiones no dimables

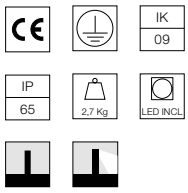
| | | | | |
|---|---|---|---|---|
| 2 way terminal block 4 poles IP68 H2O Stop. | Bloque de terminales IP68 H2O Stop anticondensación con 2 vías y 4 polos. | F990C00A000 | | |
| 3/4 way terminal block 4 poles IP68 H2O Stop. (ø5,5÷12mm cable). | Bloque de terminales IP68 H2O Stop anticondensación con 3/4 vías y 4 polos. (Cable ø5,5÷12 mm). | F990C010000 | | |

## Pointbreak: Accessories for dimmable versions / Accesorios para versiones dimables

| | | | | |
|---|---|---|---|---|
| Connector kit 5-pole flying socket + EU plug IP68. | Kit de conectores de 5 polos enchufe volante + enchufe UE IP68. | F990C080000 | | |
| 4 way junction box 5 poles IP68 (6-14 mm cables). | Caja de derivación de 5 polos y 4 vías IP68 (cables de 6-14 mm). | F990C030000 | | |

## Pointbreak Bollard 2 - 300




LED light source included. Integrated 220-240V ON/OFF and 1-10V/DALI dimmable electrical power. Equipped with one piece of neoprene output cable. IP68 junction system to be ordered separately. The luminaire may be easily installed on any type of floor with anchors. The anchoring plate for installation on flooring to be concreted must be ordered separately.

2200K available on request.

Fuente de luz LED incluida. Alimentación eléctrica integrada 220-240V ON/OFF y regulable 1-10V o DALI. Equipado con una pieza de cable de salida de neopreno. La junta IP68 debe pedirse por separado.
La luminaria debe ser instalada con encofrado obligatorio que debe pedirse por separado.

2200K disponible bajo pedido.

**Mid - Power Led:** 12,5W - 1374 lm ≠ FIXT 600 lm - 2700K/CRI>80 - 220-240V / 12,5W - 1429 lm ≠ FIXT 624 lm - 3000K/CRI>80 - 220-240V / 12,5W - 1538 lm ≠ FIXT 672 lm - 4000/CRI>80 - 220-240V

**2700K**
Non Dimmable
- F023F2AA001
- F023F2AA006
- F023F2AA012
- F023F2AA018
- F023F2AA030
- F023F2AA033

1-10V
- F023F2AB001
- F023F2AB006
- F023F2AB012
- F023F2AB018
- F023F2AB030
- F023F2AB033

Dali
- F023F2AD001
- F023F2AD006
- F023F2AD012
- F023F2AD018
- F023F2AD030
- F023F2AD033

**3000K**
Non Dimmable
- F023F3AA001
- F023F3AA006
- F023F3AA012
- F023F3AA018
- F023F3AA030
- F023F3AA033

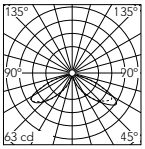
1-10V
- F023F3AB001
- F023F3AB006
- F023F3AB012
- F023F3AB018
- F023F3AB030
- F023F3AB033

Dali
- F023F3AD001
- F023F3AD006
- F023F3AD012
- F023F3AD018
- F023F3AD030
- F023F3AD033

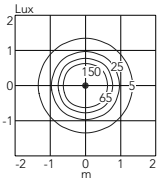
**4000K**
Non Dimmable
- F023F4AA001
- F023F4AA006
- F023F4AA012
- F023F4AA018
- F023F4AA030
- F023F4AA033

1-10V
- F023F4AB001
- F023F4AB006
- F023F4AB012
- F023F4AB018
- F023F4AB030
- F023F4AB033

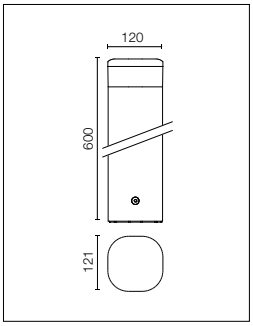
Dali
- F023F4AD001
- F023F4AD006
- F023F4AD012
- F023F4AD018
- F023F4AD030
- F023F4AD033

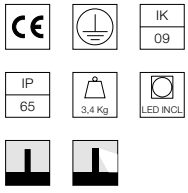



@3000K




## Pointbreak Bollard 2 - 600




LED light source included. Integrated 220-240V ON/OFF and 1-10V/DALI dimmable electrical power. Equipped with one piece of neoprene output cable. IP68 junction system to be ordered separately. The luminaire may be easily installed on any type of floor with anchors. The anchoring plate for installation on flooring to be concreted must be ordered separately.

2200K available on request.

Fuente de luz LED incluida. Alimentación eléctrica integrada 220-240V ON/OFF y regulable 1-10V o DALI. Equipado con una pieza de cable de salida de neopreno. La junta IP68 debe pedirse por separado.
La luminaria debe ser instalada con encofrado obligatorio que debe pedirse por separado.

2200K disponible bajo pedido.

**Mid - Power Led:** 12,5W - 1374 lm ≠ FIXT 600 lm - 2700K/CRI>80 - 220-240V / 12,5W - 1429 lm ≠ FIXT 624 lm - 3000K/CRI>80 - 220-240V / 12,5W - 1538 lm ≠ FIXT 672 lm - 4000/CRI>80 - 220-240V

**2700K**
Non Dimmable
- F023F2BA001
- F023F2BA006
- F023F2BA012
- F023F2BA018
- F023F2BA030
- F023F2BA033

1-10V
- F023F2BB001
- F023F2BB006
- F023F2BB012
- F023F2BB018
- F023F2BB030
- F023F2BB033

Dali
- F023F2BD001
- F023F2BD006
- F023F2BD012
- F023F2BD018
- F023F2BD030
- F023F2BD033

**3000K**
Non Dimmable
- F023F3BA001
- F023F3BA006
- F023F3BA012
- F023F3BA018
- F023F3BA030
- F023F3BA033

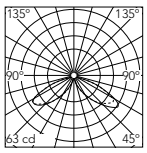
1-10V
- F023F3BB001
- F023F3BB006
- F023F3BB012
- F023F3BB018
- F023F3BB030
- F023F3BB033

Dali
- F023F3BD001
- F023F3BD006
- F023F3BD012
- F023F3BD018
- F023F3BD030
- F023F3BD033

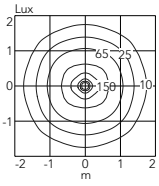
**4000K**
Non Dimmable
- F023F4BA001
- F023F4BA006
- F023F4BA012
- F023F4BA018
- F023F4BA030
- F023F4BA033

1-10V
- F023F4BB001
- F023F4BB006
- F023F4BB012
- F023F4BB018
- F023F4BB030
- F023F4BB033

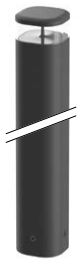
Dali
- F023F4BD001
- F023F4BD006
- F023F4BD012
- F023F4BD018
- F023F4BD030
- F023F4BD033

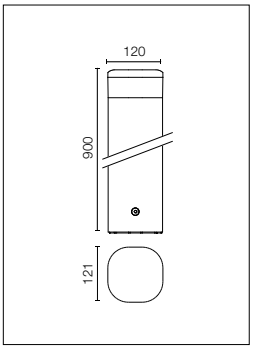


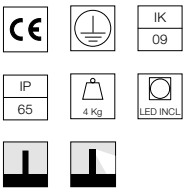

@3000K



## Pointbreak Bollard 2 - 900






LED light source included. Integrated 220-240V ON/OFF and 1-10V/DALI dimmable electrical power. Equipped with one piece of neoprene output cable. IP68 junction system to be ordered separately. The luminaire may be easily installed on any type of floor with anchors. The anchoring plate for installation on flooring to be concreted must be ordered separately.

2200K available on request.

Fuente de luz LED incluida. Alimentación eléctrica integrada 220-240V ON/OFF y regulable 1-10V o DALI. Equipado con una pieza de cable de salida de neopreno. La junta IP68 debe pedirse por separado.
La luminaria debe ser instalada con encofrado obligatorio que debe pedirse por separado.

2200K disponible bajo pedido.

**Mid - Power Led:** 12,5W - 1374 lm ≠ FIXT 600 lm - 2700K/CRI>80 - 220-240V / 12,5W - 1429 lm ≠ FIXT 624 lm - 3000K/CRI>80 - 220-240V / 12,5W - 1538 lm ≠ FIXT 672 lm - 4000/CRI>80 - 220-240V

**2700K**
Non Dimmable
- ○ F023F2CA001
- ● F023F2CA006
- ● F023F2CA012
- ● F023F2CA018
- ● F023F2CA030
- ● F023F2CA033

1-10V
- ○ F023F2CB001
- ● F023F2CB006
- ● F023F2CB012
- ● F023F2CB018
- ● F023F2CB030
- ● F023F2CB033

Dali
- ○ F023F2CD001
- ● F023F2CD006
- ● F023F2CD012
- ● F023F2CD018
- ● F023F2CD030
- ● F023F2CD033

**3000K**
Non Dimmable
- ○ F023F3CA001
- ● F023F3CA006
- ● F023F3CA012
- ● F023F3CA018
- ● F023F3CA030
- ● F023F3CA033

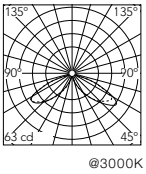
1-10V
- ○ F023F3CB001
- ● F023F3CB006
- ● F023F3CB012
- ● F023F3CB018
- ● F023F3CB030
- ● F023F3CB033

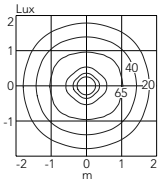
Dali
- ○ F023F3CD001
- ● F023F3CD006
- ● F023F3CD012
- ● F023F3CD018
- ● F023F3CD030
- ● F023F3CD033

**4000K**
Non Dimmable
- ○ F023F4CA001
- ● F023F4CA006
- ● F023F4CA012
- ● F023F4CA018
- ● F023F4CA030
- ● F023F4CA033

1-10V
- ○ F023F4CB001
- ● F023F4CB006
- ● F023F4CB012
- ● F023F4CB018
- ● F023F4CB030
- ● F023F4CB033

Dali
- ○ F023F4CD001
- ● F023F4CD006
- ● F023F4CD012
- ● F023F4CD018
- ● F023F4CD030
- ● F023F4CD033




## Pointbreak Mono Emission 180º

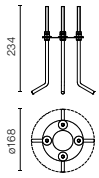
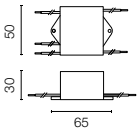
Pointbreak Bollard is also available as a single-emission version (180º) thanks to a special shaped shutter integrated in the watertight optical unit.

On request, the beam can be modified to 90º or 270º.

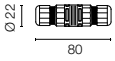
Pointbreak Bollard también está disponible en una versión de emisión única (180º) gracias a un obturador de forma especial integrado en la unidad óptica estanca.

La emisión de luz puede modificarse a 90º o a 270º, siempre bajo pedido.

## Pointbreak: Accessories / Accesorios

| | | | | |
|---|---|---|---|---|
| Base plate with bolt. | Placa con tirafondos. | Pointbreak Bollard 2<br>F023Z060000 | |  |
| Surge protection device. 275Vac. Maximum discharge current 10KA (8/20us). Maximum operating current 5A. Suitable for series connection. IP66. | Dispositivo de protección contra sobrecargas. 275 Vac. Corriente de descarga máxima 10KA (8/20us). Corriente máxima de funcionamiento 5A. Apta para conexión en serie. IP66. | Pointbreak Bollard<br>F990E00A000 | |  |

## Pointbreak: Accessories for non-dimmable versions / Accesorios para las versiones no dimables

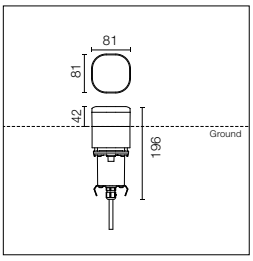
| | | | | |
|---|---|---|---|---|
| 2 way terminal block 4 poles IP68 H2O Stop. | Bloque de terminales IP68 H2O Stop anticondensación con 2 vías y 4 polos. | F990C00A000 | |  |
| 3/4 way terminal block 4 poles IP68 H2O Stop. (ø5,5÷12mm cable). | Bloque de terminales IP68 H2O Stop anticondensación con 3/4 vías y 4 polos. (Cable ø5,5÷12 mm). | F990C010000 | | |

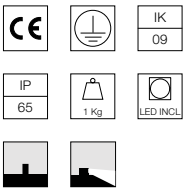
## Pointbreak: Accessories for dimmable versions / Accesorios para versiones dimables

| | | | | |
|---|---|---|---|---|
| Connector kit 5-pole flying socket + EU plug IP68. | Kit de conectores de 5 polos enchufe volante + enchufe UE IP68. | F990C080000 | | |
| 4 way junction box 5 poles IP68 (6-14 mm cables). | Caja de derivación de 5 polos y 4 vías IP68 (cables de 6-14 mm). | F990C030000 | | |

* Preliminary technical specs and photometries. / Datos técnicos y fotometrías preliminares.

## Pointbreak Balisage 1 - 40




LED light source included. Integrated 220-240V ON/OFF and 1-10V/DALI dimmable electrical power. Equipped with one piece of neoprene output cable. IP68 junction system to be ordered separately. Luminaire must be installed with mandatory box for installation, ordered separately.

2200K available on request.

Fuente de luz LED incluida. Alimentación eléctrica integrada 220-240V ON/OFF y regulable 1-10V o DALI. Equipado con una pieza de cable de salida de neopreno. La junta IP68 debe pedirse por separado. La luminaria debe ser instalada con encofrado obligatorio que debe pedirse por separado.

2200K disponible bajo pedido.

**Mid - Power Led:** 5,6W - 576 lm ≠ FIXT 274 lm - 2700K/CRI>80 - 220-240V / 5,6W - 600 lm ≠ FIXT 285 lm - 3000K/CRI>80 - 220-240V / 5,6W - 625 lm ≠ FIXT 307 lm - 4000/CRI>80 - 220-240V

**2700K**
Non Dimmable
- ○ F023B2AA001
- ● F023B2AA006
- ● F023B2AA012
- ● F023B2AA018
- ● F023B2AA030
- ● F023B2AA033

1-10V
- ○ F023B2AB001
- ● F023B2AB006
- ● F023B2AB012
- ● F023B2AB018
- ● F023B2AB030
- ● F023B2AB033

Dali
- ○ F023B2AD001
- ● F023B2AD006
- ● F023B2AD012
- ● F023B2AD018
- ● F023B2AD030
- ● F023B2AD033

**3000K**
Non Dimmable
- ○ F023B3AA001
- ● F023B3AA006
- ● F023B3AA012
- ● F023B3AA018
- ● F023B3AA030
- ● F023B3AA033

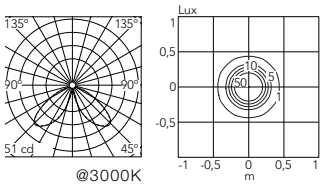
1-10V
- ○ F023B3AB001
- ● F023B3AB006
- ● F023B3AB012
- ● F023B3AB018
- ● F023B3AB030
- ● F023B3AB033

Dali
- ○ F023B3AD001
- ● F023B3AD006
- ● F023B3AD012
- ● F023B3AD018
- ● F023B3AD030
- ● F023B3AD033

**4000K**
Non Dimmable
- ○ F023B4AA001
- ● F023B4AA006
- ● F023B4AA012
- ● F023B4AA018
- ● F023B4AA030
- ● F023B4AA033

1-10V
- ○ F023B4AB001
- ● F023B4AB006
- ● F023B4AB012
- ● F023B4AB018
- ● F023B4AB030
- ● F023B4AB033

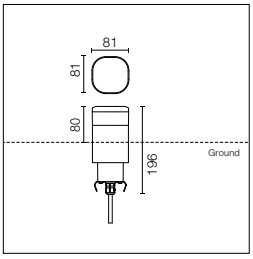
Dali
- ○ F023B4AD001
- ● F023B4AD006
- ● F023B4AD012
- ● F023B4AD018
- ● F023B4AD030
- ● F023B4AD033

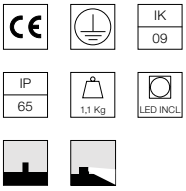



Box for ground installation / Encofrado para la instalación en el suelo.

F023Z020000

## Pointbreak Balisage 1 - 80




LED light source included. Integrated 220-240V ON/OFF and 1-10V/DALI dimmable electrical power. Equipped with one piece of neoprene output cable. IP68 junction system to be ordered separately. Luminaire must be installed with mandatory box for installation, ordered separately.

2200K available on request.

Fuente de luz LED incluida. Alimentación eléctrica integrada 220-240V ON/OFF y regulable 1-10V o DALI. Equipado con una pieza de cable de salida de neopreno. La junta IP68 debe pedirse por separado. La luminaria debe ser instalada con encofrado obligatorio que debe pedirse por separado.

2200K disponible bajo pedido.

**Mid - Power Led:** 5,6W - 576 lm ≠ FIXT 274 lm - 2700K/CRI>80 - 220-240V / 5,6W - 600 lm ≠ FIXT 285 lm - 3000K/CRI>80 - 220-240V / 5,6W - 625 lm ≠ FIXT 307 lm - 4000/CRI>80 - 220-240V

**2700K**
Non Dimmable
- ○ F023B2BA001
- ● F023B2BA006
- ● F023B2BA012
- ● F023B2BA018
- ● F023B2BA030
- ● F023B2BA033

1-10V
- ○ F023B2BB001
- ● F023B2BB006
- ● F023B2BB012
- ● F023B2BB018
- ● F023B2BB030
- ● F023B2BB033

Dali
- ○ F023B2BD001
- ● F023B2BD006
- ● F023B2BD012
- ● F023B2BD018
- ● F023B2BD030
- ● F023B2BD033

**3000K**
Non Dimmable
- ○ F023B3BA001
- ● F023B3BA006
- ● F023B3BA012
- ● F023B3BA018
- ● F023B3BA030
- ● F023B3BA033

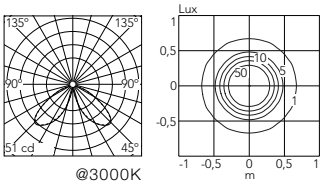
1-10V
- ○ F023B3BB001
- ● F023B3BB006
- ● F023B3BB012
- ● F023B3BB018
- ● F023B3BB030
- ● F023B3BB033

Dali
- ○ F023B3BD001
- ● F023B3BD006
- ● F023B3BD012
- ● F023B3BD018
- ● F023B3BD030
- ● F023B3BD033

**4000K**
Non Dimmable
- ○ F023B4BA001
- ● F023B4BA006
- ● F023B4BA012
- ● F023B4BA018
- ● F023B4BA030
- ● F023B4BA033

1-10V
- ○ F023B4BB001
- ● F023B4BB006
- ● F023B4BB012
- ● F023B4BB018
- ● F023B4BB030
- ● F023B4BB033

Dali
- ○ F023B4BD001
- ● F023B4BD006
- ● F023B4BD012
- ● F023B4BD018
- ● F023B4BD030
- ● F023B4BD033

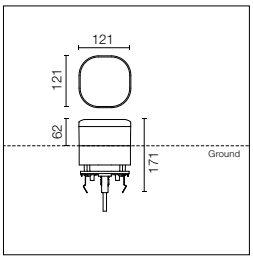


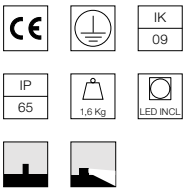

Box for ground installation / Encofrado para la instalación en el suelo.

F023Z020000

* Preliminary technical specs and photometries. / Datos técnicos y fotometrías preliminares.

## Pointbreak Balisage 2 - 60




LED light source included. Integrated 220-240V ON/OFF and 1-10V/DALI dimmable electrical power. Equipped with one piece of neoprene output cable. IP68 junction system to be ordered separately. Luminaire must be installed with mandatory box for installation, ordered separately.

2200K available on request.

Fuente de luz LED incluida. Alimentación eléctrica integrada 220-240V ON/OFF y regulable 1-10V o DALI. Equipado con una pieza de cable de salida de neopreno. La junta IP68 debe pedirse por separado. La luminaria debe ser instalada con encofrado obligatorio que debe pedirse por separado.

2200K disponible bajo pedido.

**Mid - Power Led:** 12,5W - 1374 lm ≠ FIXT 600 lm - 2700K/CRI>80 - 220-240V / 12,5W - 1429 lm ≠ FIXT 624 lm - 3000K/CRI>80 - 220-240V / 12,5W - 1538 lm ≠ FIXT 672 lm - 4000/CRI>80 - 220-240V

**2700K**
Non Dimmable
- F023C2CA001
- F023C2CA006
- F023C2CA012
- F023C2CA018
- F023C2CA030
- F023C2CA033

1-10V
- F023C2CB001
- F023C2CB006
- F023C2CB012
- F023C2CB018
- F023C2CB030
- F023C2CB033

Dali
- F023C2CD001
- F023C2CD006
- F023C2CD012
- F023C2CD018
- F023C2CD030
- F023C2CD033

**3000K**
Non Dimmable
- F023C3CA001
- F023C3CA006
- F023C3CA012
- F023C3CA018
- F023C3CA030
- F023C3CA033

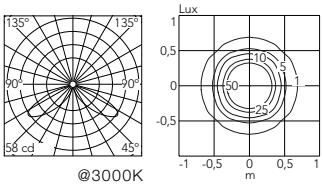
1-10V
- F023C3CB001
- F023C3CB006
- F023C3CB012
- F023C3CB018
- F023C3CB030
- F023C3CB033

Dali
- F023C3CD001
- F023C3CD006
- F023C3CD012
- F023C3CD018
- F023C3CD030
- F023C3CD033

**4000K**
Non Dimmable
- F023C4CA001
- F023C4CA006
- F023C4CA012
- F023C4CA018
- F023C4CA030
- F023C4CA033

1-10V
- F023C4CB001
- F023C4CB006
- F023C4CB012
- F023C4CB018
- F023C4CB030
- F023C4CB033

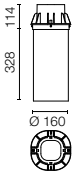
Dali
- F023C4CD001
- F023C4CD006
- F023C4CD012
- F023C4CD018
- F023C4CD030
- F023C4CD033



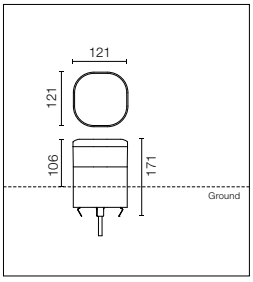

@3000K

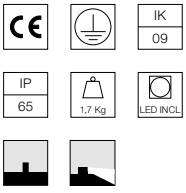
Box for ground installation / Encofrado para la instalación en el suelo.

F023Z030000




## Pointbreak Balisage 2 - 105




LED light source included. Integrated 220-240V ON/OFF and 1-10V/DALI dimmable electrical power. Equipped with one piece of neoprene output cable. IP68 junction system to be ordered separately. Luminaire must be installed with mandatory box for installation, ordered separately.

2200K available on request.

Fuente de luz LED incluida. Alimentación eléctrica integrada 220-240V ON/OFF y regulable 1-10V o DALI. Equipado con una pieza de cable de salida de neopreno. La junta IP68 debe pedirse por separado. La luminaria debe ser instalada con encofrado obligatorio que debe pedirse por separado.

2200K disponible bajo pedido.

**Mid - Power Led:** 12,5W - 1374 lm ≠ FIXT 600 lm - 2700K/CRI>80 - 220-240V / 12,5W - 1429 lm ≠ FIXT 624 lm - 3000K/CRI>80 - 220-240V / 12,5W - 1538 lm ≠ FIXT 672 lm - 4000/CRI>80 - 220-240V

**2700K**
Non Dimmable
- F023C2DA001
- F023C2DA006
- F023C2DA012
- F023C2DA018
- F023C2DA030
- F023C2DA033

1-10V
- F023C2DB001
- F023C2DB006
- F023C2DB012
- F023C2DB018
- F023C2DB030
- F023C2DB033

Dali
- F023C2DD001
- F023C2DD006
- F023C2DD012
- F023C2DD018
- F023C2DD030
- F023C2DD033

**3000K**
Non Dimmable
- F023C3DA001
- F023C3DA006
- F023C3DA012
- F023C3DA018
- F023C3DA030
- F023C3DA033

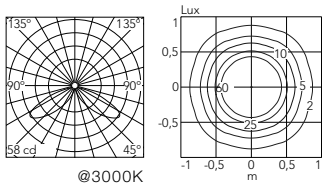
1-10V
- F023C3DB001
- F023C3DB006
- F023C3DB012
- F023C3DB018
- F023C3DB030
- F023C3DB033

Dali
- F023C3DD001
- F023C3DD006
- F023C3DD012
- F023C3DD018
- F023C3DD030
- F023C3DD033

**4000K**
Non Dimmable
- F023C4DA001
- F023C4DA006
- F023C4DA012
- F023C4DA018
- F023C4DA030
- F023C4DA033

1-10V
- F023C4DB001
- F023C4DB006
- F023C4DB012
- F023C4DB018
- F023C4DB030
- F023C4DB033

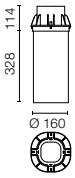
Dali
- F023C4DD001
- F023C4DD006
- F023C4DD012
- F023C4DD018
- F023C4DD030
- F023C4DD033




@3000K

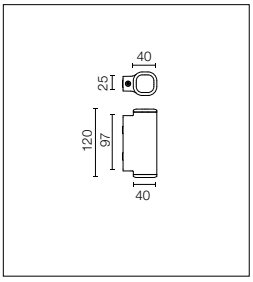
Box for ground installation / Encofrado para la instalación en el suelo.

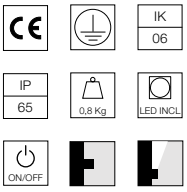
F023Z040000




* Preliminary technical specs and photometries. / Datos técnicos y fotometrías preliminares.

## Pointbreak Wall 0 Up




LED light source included. Integrated 220-240V ON/OFF electrical power. Equipped with IP65 rubber grommet and 2-pole quick-connect terminals.

2200K available on request.

Fuente de luz LED incluida. Fuente de alimentación integrada de 220-240V ON/OFF. Equipado con pasacables IP65 de goma y terminales de conexión rápida de 2 polos.

2200K disponible bajo pedido.

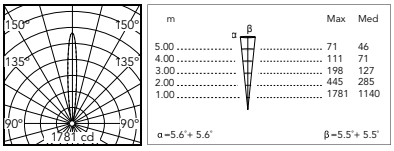
### Optic Spot

**Power Led:** 2,1W - 139 lm ≠ *FIXT 101 lm - 2700K/CRI>80 - 220-240V / 2,1W - 149 lm ≠ *FIXT 104 lm - 3000K/CRI>80 - 220-240V / 2,1W - 154 lm ≠ *FIXT 108 lm - 4000/CRI>80 - 220-240V
*FIXT lm = Spot Optic

**2700K**
Non Dimmable
- F023G2EA001
- F023G2EA006
- F023G2EA012
- F023G2EA018
- F023G2EA030
- F023G2EA033

**3000K**
Non Dimmable
- F023G3EA001
- F023G3EA006
- F023G3EA012
- F023G3EA018
- F023G3EA030
- F023G3EA033

**4000K**
Non Dimmable
- F023G4EA001
- F023G4EA006
- F023G4EA012
- F023G4EA018
- F023G4EA030
- F023G4EA033




@3000K

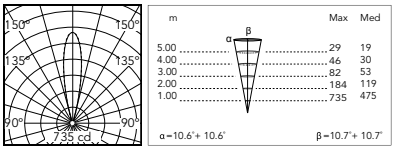
### Optic Medium

**Power Led:** 2,1W - 139 lm ≠ *FIXT 102 lm - 2700K/CRI>80 - 220-240V / 2,1W - 149 lm ≠ *FIXT 106 lm - 3000K/CRI>80 - 220-240V / 2,1W - 154 lm ≠ *FIXT 110 lm - 4000/CRI>80 - 220-240V
*FIXT lm = Spot Optic

**2700K**
Non Dimmable
- F023G2FA001
- F023G2FA006
- F023G2FA012
- F023G2FA018
- F023G2FA030
- F023G2FA033

**3000K**
Non Dimmable
- F023G3FA001
- F023G3FA006
- F023G3FA012
- F023G3FA018
- F023G3FA030
- F023G3FA033

**4000K**
Non Dimmable
- F023G4FA001
- F023G4FA006
- F023G4FA012
- F023G4FA018
- F023G4FA030
- F023G4FA033




@3000K

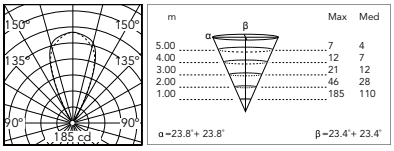
### Optic Flood

**Power Led:** 2,1W - 139 lm ≠ *FIXT 101 lm - 2700K/CRI>80 - 220-240V / 2,1W - 149 lm ≠ *FIXT 104 lm - 3000K/CRI>80 - 220-240V / 2,1W - 154 lm ≠ *FIXT 108 lm - 4000/CRI>80 - 220-240V
*FIXT lm = Spot Optic

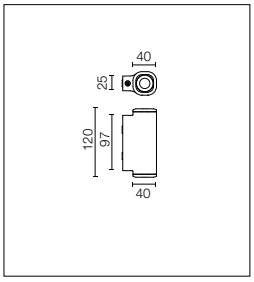
**2700K**
Non Dimmable
- F023G2GA001
- F023G2GA006
- F023G2GA012
- F023G2GA018
- F023G2GA030
- F023G2GA033

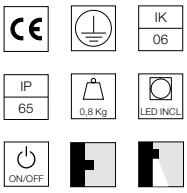
**3000K**
Non Dimmable
- F023G3GA001
- F023G3GA006
- F023G3GA012
- F023G3GA018
- F023G3GA030
- F023G3GA033

**4000K**
Non Dimmable
- F023G4GA001
- F023G4GA006
- F023G4GA012
- F023G4GA018
- F023G4GA030
- F023G4GA033




@3000K




LED light source included. Integrated 220-240V ON/OFF electrical power. Equipped with IP65 rubber grommet and 2-pole quick-connect terminals.

2200K available on request.

Fuente de luz LED incluida. Fuente de alimentación integrada de 220-240V ON/OFF. Equipado con pasacables IP65 de goma y terminales de conexión rápida de 2 polos.

2200K disponible bajo pedido.

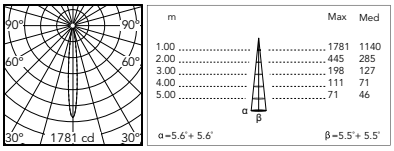
## Optic Spot

**Power Led:** 2,1W - 139 lm ≠ *FIXT 101 lm - 2700K/CRI>80 - 220-240V / 2,1W - 149 lm ≠ *FIXT 104 lm - 3000K/CRI>80 - 220-240V / 2,1W - 154 lm ≠ *FIXT 108 lm - 4000/CRI>80 - 220-240V
*FIXT lm = Spot Optic

**2700K**
Non Dimmable
- ○ F023G2JA001
- ● F023G2JA006
- ● F023G2JA012
- ● F023G2JA018
- ● F023G2JA030
- ● F023G2JA033

**3000K**
Non Dimmable
- ○ F023G3JA001
- ● F023G3JA006
- ● F023G3JA012
- ● F023G3JA018
- ● F023G3JA030
- ● F023G3JA033

**4000K**
Non Dimmable
- ○ F023G4JA001
- ● F023G4JA006
- ● F023G4JA012
- ● F023G4JA018
- ● F023G4JA030
- ● F023G4JA033




@3000K

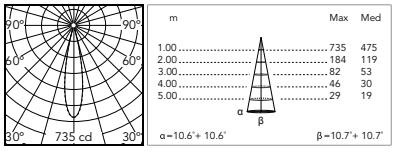
## Optic Medium

**Power Led:** 2,1W - 139 lm ≠ *FIXT 102 lm - 2700K/CRI>80 - 220-240V / 2,1W - 149 lm ≠ *FIXT 106 lm - 3000K/CRI>80 - 220-240V / 2,1W - 154 lm ≠ *FIXT 110 lm - 4000/CRI>80 - 220-240V
*FIXT lm = Spot Optic

**2700K**
Non Dimmable
- ○ F023G2KA001
- ● F023G2KA006
- ● F023G2KA012
- ● F023G2KA018
- ● F023G2KA030
- ● F023G2KA033

**3000K**
Non Dimmable
- ○ F023G3KA001
- ● F023G3KA006
- ● F023G3KA012
- ● F023G3KA018
- ● F023G3KA030
- ● F023G3KA033

**4000K**
Non Dimmable
- ○ F023G4KA001
- ● F023G4KA006
- ● F023G4KA012
- ● F023G4KA018
- ● F023G4KA030
- ● F023G4KA033




@3000K

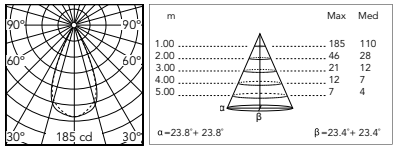
## Optic Flood

**Power Led:** 2,1W - 139 lm ≠ *FIXT 101 lm - 2700K/CRI>80 - 220-240V / 2,1W - 149 lm ≠ *FIXT 104 lm - 3000K/CRI>80 - 220-240V / 2,1W - 154 lm ≠ *FIXT 108 lm - 4000/CRI>80 - 220-240V
*FIXT lm = Spot Optic

**2700K**
Non Dimmable
- ○ F023G2LA001
- ● F023G2LA006
- ● F023G2LA012
- ● F023G2LA018
- ● F023G2LA030
- ● F023G2LA033

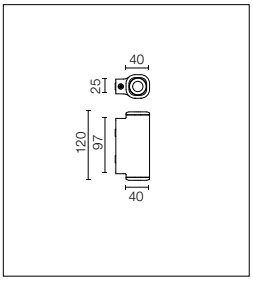
**3000K**
Non Dimmable
- ○ F023G3LA001
- ● F023G3LA006
- ● F023G3LA012
- ● F023G3LA018
- ● F023G3LA030
- ● F023G3LA033

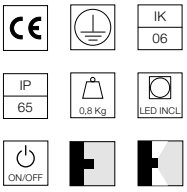
**4000K**
Non Dimmable
- ○ F023G4LA001
- ● F023G4LA006
- ● F023G4LA012
- ● F023G4LA018
- ● F023G4LA030
- ● F023G4LA033




@3000K

## Pointbreak Wall 0 Up&Down




LED light source included. Integrated 220-240V ON/OFF electrical power. Equipped with IP65 rubber grommet and 2-pole quick-connect terminals.

2200K available on request.

Fuente de luz LED incluida. Fuente de alimentación integrada de 220-240V ON/OFF. Equipado con pasacables IP65 de goma y terminales de conexión rápida de 2 polos.

2200K disponible bajo pedido.

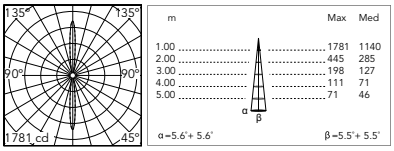
### Optic Spot

**Power Led:** 3,1W - 2x139 lm ≠ *FIXT 2x101 lm - 2700K/CRI>80 - 220-240V / 3,1W - 2x149 lm ≠ *FIXT 2x104 lm - 3000K/CRI>80 - 220-240V / 3,1W - 2x154 lm ≠ *FIXT 2x108 lm - 4000/CRI>80 - 220-240V
*FIXT lm = Spot Optic

**2700K**
Non Dimmable
- F023G25A001
- F023G25A006
- F023G25A012
- F023G25A018
- F023G25A030
- F023G25A033

**3000K**
Non Dimmable
- F023G35A001
- F023G35A006
- F023G35A012
- F023G35A018
- F023G35A030
- F023G35A033

**4000K**
Non Dimmable
- F023G45A001
- F023G45A006
- F023G45A012
- F023G45A018
- F023G45A030
- F023G45A033




@3000K

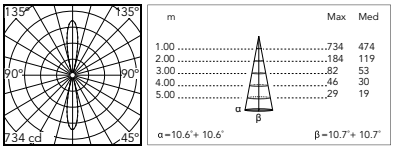
### Optic Medium

**Power Led:** 3,1W - 2x139 lm ≠ *FIXT 2x102 lm - 2700K/CRI>80 - 220-240V / 3,1W - 2x149 lm ≠ *FIXT 2x106 lm - 3000K/CRI>80 - 220-240V / 3,1W - 2x154 lm ≠ *FIXT 2x110 lm - 4000/CRI>80 - 220-240V
*FIXT lm = Spot Optic

**2700K**
Non Dimmable
- F023G26A001
- F023G26A006
- F023G26A012
- F023G26A018
- F023G26A030
- F023G26A033

**3000K**
Non Dimmable
- F023G36A001
- F023G36A006
- F023G36A012
- F023G36A018
- F023G36A030
- F023G36A033

**4000K**
Non Dimmable
- F023G46A001
- F023G46A006
- F023G46A012
- F023G46A018
- F023G46A030
- F023G46A033




@3000K

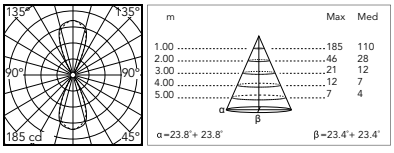
### Optic Flood

**Power Led:** 3,1W - 2x139 lm ≠ *FIXT 2x101 lm - 2700K/CRI>80 - 220-240V / 3,1W - 2x149 lm ≠ *FIXT 2x104 lm - 3000K/CRI>80 - 220-240V / 3,1W - 2x154 lm ≠ *FIXT 2x108 lm - 4000/CRI>80 - 220-240V
*FIXT lm = Spot Optic

**2700K**
Non Dimmable
- F023G27A001
- F023G27A006
- F023G27A012
- F023G27A018
- F023G27A030
- F023G27A033

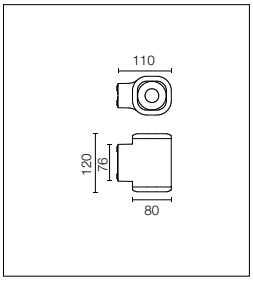
**3000K**
Non Dimmable
- F023G37A001
- F023G37A006
- F023G37A012
- F023G37A018
- F023G37A030
- F023G37A033

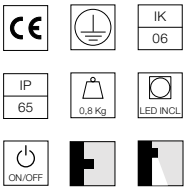
**4000K**
Non Dimmable
- F023G47A001
- F023G47A006
- F023G47A012
- F023G47A018
- F023G47A030
- F023G47A033




@3000K

* Preliminary technical specs. / Datos técnicos preliminares.



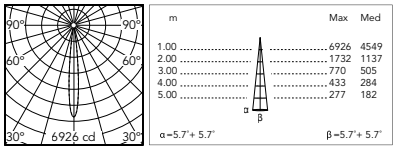

LED light source included.
Integrated 220-240V ON/OFF electrical power. Equipped with double cable gland for inlet and outlet connection.
Upwards, single emission version, available upon request.

Fuente de luz LED incluida.
Fuente de alimentación integrada de 220-240V ON/OFF. Equipado con pasacables doble para la conexión de entrada y salida.
Versión mono emisión hacia arriba, disponible bajo pedido.

### Optic Spot

**Power Led:** 5,5W - 543 lm ≠ FIXT 319 lm - 2700K/CRI>80 - 220-240V / 5,5W - 570 lm ≠ FIXT 335 lm - 3000K/CRI>80 - 220-240V / 5,5W - 597 lm ≠ FIXT 367 lm - 4000/CRI>80 - 220-240V

| 2700K | 3000K | 4000K |
|---|---|---|
| Non Dimmable | Non Dimmable | Non Dimmable |
| ○ F023H21A001 | ○ F023H31A001 | ○ F023H41A001 |
| ● F023H21A006 | ● F023H31A006 | ● F023H41A006 |
| ● F023H21A012 | ● F023H31A012 | ● F023H41A012 |
| ● F023H21A018 | ● F023H31A018 | ● F023H41A018 |
| ● F023H21A030 | ● F023H31A030 | ● F023H41A030 |
| ● F023H21A033 | ● F023H31A033 | ● F023H41A033 |

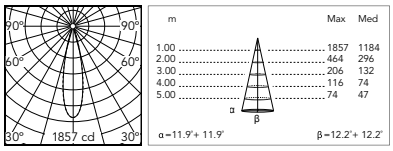



@3000K

### Optic Medium

**Power LED:** 5,5W - 543 lm ≠ FIXT 350 lm - 2700K/CRI>80 - 220-240V / 5,5W - 570 lm ≠ FIXT 367 lm - 3000K/CRI>80 - 220-240V / 5,5W - 597 lm ≠ FIXT 402 lm - 4000/CRI>80 - 220-240V

| 2700K | 3000K | 4000K |
|---|---|---|
| Non Dimmable | Non Dimmable | Non Dimmable |
| ○ F023H22A001 | ○ F023H32A001 | ○ F023H42A001 |
| ● F023H22A006 | ● F023H32A006 | ● F023H42A006 |
| ● F023H22A012 | ● F023H32A012 | ● F023H42A012 |
| ● F023H22A018 | ● F023H32A018 | ● F023H42A018 |
| ● F023H22A030 | ● F023H32A030 | ● F023H42A030 |
| ● F023H22A033 | ● F023H32A033 | ● F023H42A033 |

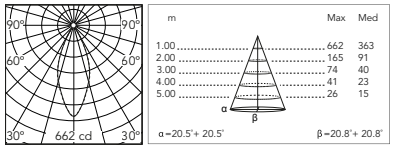



@3000K

### Optic Flood

**Power LED:** 5,5W - 543 lm ≠ FIXT 311 lm - 2700K/CRI>80 - 220-240V / 5,5W - 570 lm ≠ FIXT 325 lm - 3000K/CRI>80 - 220-240V / 5,5W - 597 lm ≠ FIXT 356 lm - 4000/CRI>80 - 220-240V

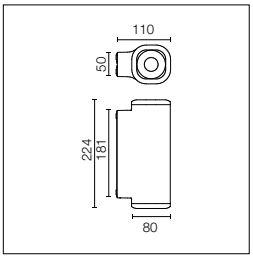
| 2700K | 3000K | 4000K |
|---|---|---|
| Non Dimmable | Non Dimmable | Non Dimmable |
| ○ F023H23A001 | ○ F023H33A001 | ○ F023H43A001 |
| ● F023H23A006 | ● F023H33A006 | ● F023H43A006 |
| ● F023H23A012 | ● F023H33A012 | ● F023H43A012 |
| ● F023H23A018 | ● F023H33A018 | ● F023H43A018 |
| ● F023H23A030 | ● F023H33A030 | ● F023H43A030 |
| ● F023H23A033 | ● F023H33A033 | ● F023H43A033 |

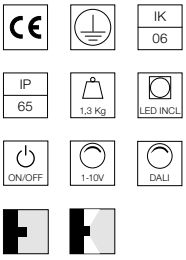



@3000K

* Preliminary technical specs. / Datos técnicos preliminares.

## Pointbreak Wall 1 Up&Down




LED light source included. Integrated 220-240V ON/OFF and 1-10V/DALI dimmable electrical power.
Equipped with double cable gland for inlet and outlet connection.
Upon request: Single upwards emission or single downwards emission.

Fuente de luz LED incluida. Alimentación eléctrica integrada 220-240V ON/OFF y regulable 1-10V o DALI. Equipado con pasacables doble para la conexión de entrada y salida.
A petición, versión mono emisión hacia arriba o mono emisión hacia abajo.

### Optic Spot

**Power Led:** 12W - 2x543 lm ≠ FIXT 2x319 lm - 2700K/CRI>80 - 220-240V / 12W - 2x570 lm ≠ FIXT 2x335 lm - 3000K/CRI>80 - 220-240V / 12W - 2x597 lm ≠ FIXT 2x367 lm - 4000/CRI>80 - 220-240V

**2700K**
Non Dimmable
- F023H25A001
- F023H25A006
- F023H25A012
- F023H25A018
- F023H25A030
- F023H25A033

1-10V
- F023H25B001
- F023H25B006
- F023H25B012
- F023H25B018
- F023H25B030
- F023H25B033

Dali
- F023H25D001
- F023H25D006
- F023H25D012
- F023H25D018
- F023H25D030
- F023H25D033

**3000K**
Non Dimmable
- F023H35A001
- F023H35A006
- F023H35A012
- F023H35A018
- F023H35A030
- F023H35A033

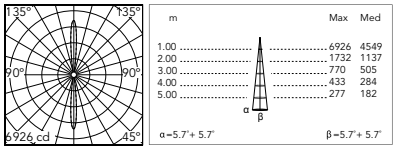
1-10V
- F023H35B001
- F023H35B006
- F023H35B012
- F023H35B018
- F023H35B030
- F023H35B033

Dali
- F023H35D001
- F023H35D006
- F023H35D012
- F023H35D018
- F023H35D030
- F023H35D033

**4000K**
Non Dimmable
- F023H45A001
- F023H45A006
- F023H45A012
- F023H45A018
- F023H45A030
- F023H45A033

1-10V
- F023H45B001
- F023H45B006
- F023H45B012
- F023H45B018
- F023H45B030
- F023H45B033

Dali
- F023H45D001
- F023H45D006
- F023H45D012
- F023H45D018
- F023H45D030
- F023H45D033




@3000K

### Optic Medium

**Power Led:** 12W - 2x543 lm ≠ FIXT 2x319 lm - 2700K/CRI>80 - 220-240V / 12W - 2x570 lm ≠ FIXT 2x367 lm - 3000K/CRI>80 - 220-240V / 12W - 2x597 lm ≠ FIXT 2x402 lm - 4000/CRI>80 - 220-240V

**2700K**
Non Dimmable
- F023H26A001
- F023H26A006
- F023H26A012
- F023H26A018
- F023H26A030
- F023H26A033

1-10V
- F023H26B001
- F023H26B006
- F023H26B012
- F023H26B018
- F023H26B030
- F023H26B033

Dali
- F023H26D001
- F023H26D006
- F023H26D012
- F023H26D018
- F023H26D030
- F023H26D033

**3000K**
Non Dimmable
- F023H36A001
- F023H36A006
- F023H36A012
- F023H36A018
- F023H36A030
- F023H36A033

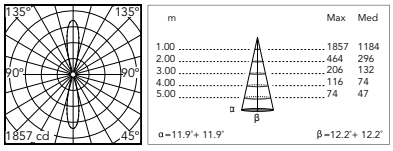
1-10V
- F023H36B001
- F023H36B006
- F023H36B012
- F023H36B018
- F023H36B030
- F023H36B033

Dali
- F023H36D001
- F023H36D006
- F023H36D012
- F023H36D018
- F023H36D030
- F023H36D033

**4000K**
Non Dimmable
- F023H46A001
- F023H46A006
- F023H46A012
- F023H46A018
- F023H46A030
- F023H46A033

1-10V
- F023H46B001
- F023H46B006
- F023H46B012
- F023H46B018
- F023H46B030
- F023H46B033

Dali
- F023H46D001
- F023H46D006
- F023H46D012
- F023H46D018
- F023H46D030
- F023H46D033




@3000K

* Preliminary technical specs. / Datos técnicos preliminares.

### Optic Flood

**Power Led:** 12W - 2x543 lm ≠ FIXT 2x311 lm - 2700K/CRI>80 - 220-240V / 12W - 2x570 lm ≠ FIXT 2x325 lm - 3000K/CRI>80 - 220-240V / 12W - 2x597 lm ≠ FIXT 2x356 lm - 4000/CRI>80 - 220-240V

**2700K**

Non Dimmable

- ○ F023H27A001
- ● F023H27A006
- ● F023H27A012
- ● F023H27A018
- ● F023H27A030
- ● F023H27A033

1-10V

- ○ F023H27B001
- ● F023H27B006
- ● F023H27B012
- ● F023H27B018
- ● F023H27B030
- ● F023H27B033

Dali

- ○ F023H27D001
- ● F023H27D006
- ● F023H27D012
- ● F023H27D018
- ● F023H27D030
- ● F023H27D033

**3000K**

Non Dimmable

- ○ F023H37A001
- ● F023H37A006
- ● F023H37A012
- ● F023H37A018
- ● F023H37A030
- ● F023H37A033

1-10V

- ○ F023H37B001
- ● F023H37B006
- ● F023H37B012
- ● F023H37B018
- ● F023H37B030
- ● F023H37B033

Dali

- ○ F023H37D001
- ● F023H37D006
- ● F023H37D012
- ● F023H37D018
- ● F023H37D030
- ● F023H37D033

**4000K**

Non Dimmable

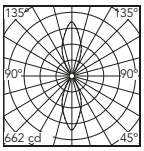
- ○ F023H47A001
- ● F023H47A006
- ● F023H47A012
- ● F023H47A018
- ● F023H47A030
- ● F023H47A033

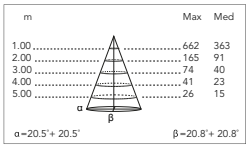
1-10V

- ○ F023H47B001
- ● F023H47B006
- ● F023H47B012
- ● F023H47B018
- ● F023H47B030
- ● F023H47B033

Dali

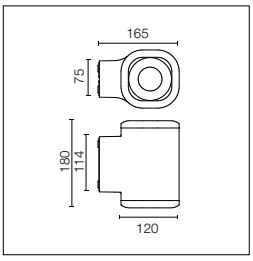
- ○ F023H47D001
- ● F023H47D006
- ● F023H47D012
- ● F023H47D018
- ● F023H47D030
- ● F023H47D033

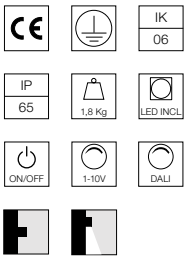



@3000K

* Preliminary technical specs. / Datos técnicos preliminares.




LED light source included. Integrated 220-240V ON/OFF and 1-10V/DALI dimmable electrical power. Equipped with double cable gland for inlet and outlet connection. Upwards, single emission version, available upon request.

2200K available on request.

Fuente de luz LED incluida. Alimentación eléctrica integrada 220-240V ON/OFF y regulable 1-10V o DALI. Equipado con pasacables doble para la conexión de entrada y salida. Versión mono emisión hacia arriba, disponible bajo pedido.

2200K disponible bajo pedido.

## Optic Spot

**Power Led:** 17W - 1890 lm ≠ FIXT 1108 lm - 2700K/CRI>80 - 220-240V / 17W - 1960 lm ≠ FIXT 1149 lm - 3000K/CRI>80 - 220-240V / 17W - 2030 lm ≠ FIXT 1190 lm - 4000/CRI>80 - 220-240V

**2700K**
Non Dimmable
- ○ F023J21A001
- ● F023J21A006
- ● F023J21A012
- ● F023J21A018
- ● F023J21A030
- ● F023J21A033

1-10V
- ○ F023J21B001
- ● F023J21B006
- ● F023J21B012
- ● F023J21B018
- ● F023J21B030
- ● F023J21B033

Dali
- ○ F023J21D001
- ● F023J21D006
- ● F023J21D012
- ● F023J21D018
- ● F023J21D030
- ● F023J21D033

**3000K**
Non Dimmable
- ○ F023J31A001
- ● F023J31A006
- ● F023J31A012
- ● F023J31A018
- ● F023J31A030
- ● F023J31A033

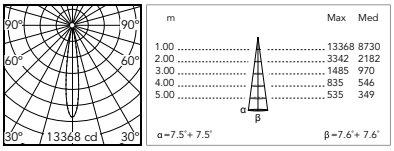
1-10V
- ○ F023J31B001
- ● F023J31B006
- ● F023J31B012
- ● F023J31B018
- ● F023J31B030
- ● F023J31B033

Dali
- ○ F023J31D001
- ● F023J31D006
- ● F023J31D012
- ● F023J31D018
- ● F023J31D030
- ● F023J31D033

**4000K**
Non Dimmable
- ○ F023J41A001
- ● F023J41A006
- ● F023J41A012
- ● F023J41A018
- ● F023J41A030
- ● F023J41A033

1-10V
- ○ F023J41B001
- ● F023J41B006
- ● F023J41B012
- ● F023J41B018
- ● F023J41B030
- ● F023J41B033

Dali
- ○ F023J41D001
- ● F023J41D006
- ● F023J41D012
- ● F023J41D018
- ● F023J41D030
- ● F023J41D033




@3000K

## Optic Medium

**Power Led:** 17W - 1890 lm ≠ FIXT 1215 lm - 2700K/CRI>80 - 220-240V / 17W - 1960 lm ≠ FIXT 1260 lm - 3000K/CRI>80 - 220-240V / 17W - 2030 lm ≠ FIXT 1305 lm - 4000/CRI>80 - 220-240V

**2700K**
Non Dimmable
- ○ F023J22A001
- ● F023J22A006
- ● F023J22A012
- ● F023J22A018
- ● F023J22A030
- ● F023J22A033

1-10V
- ○ F023J22B001
- ● F023J22B006
- ● F023J22B012
- ● F023J22B018
- ● F023J22B030
- ● F023J22B033

Dali
- ○ F023J22D001
- ● F023J22D006
- ● F023J22D012
- ● F023J22D018
- ● F023J22D030
- ● F023J22D033

**3000K**
Non Dimmable
- ○ F023J32A001
- ● F023J32A006
- ● F023J32A012
- ● F023J32A018
- ● F023J32A030
- ● F023J32A033

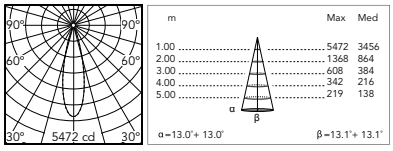
1-10V
- ○ F023J32B001
- ● F023J32B006
- ● F023J32B012
- ● F023J32B018
- ● F023J32B030
- ● F023J32B033

Dali
- ○ F023J32D001
- ● F023J32D006
- ● F023J32D012
- ● F023J32D018
- ● F023J32D030
- ● F023J32D033

**4000K**
Non Dimmable
- ○ F023J42A001
- ● F023J42A006
- ● F023J42A012
- ● F023J42A018
- ● F023J42A030
- ● F023J42A033

1-10V
- ○ F023J42B001
- ● F023J42B006
- ● F023J42B012
- ● F023J42B018
- ● F023J42B030
- ● F023J42B033

Dali
- ○ F023J42D001
- ● F023J42D006
- ● F023J42D012
- ● F023J42D018
- ● F023J42D030
- ● F023J42D033




@3000K

* Preliminary technical specs. / Datos técnicos preliminares.

### Optic Flood

**Power Led:** 17W - 1890 lm ≠ FIXT 1222 lm - 2700K/CRI>80 - 220-240V / 17W - 1960 lm ≠ FIXT 1267 lm - 3000K/CRI>80 - 220-240V / 17W - 2030 lm ≠ FIXT 1311 lm - 4000/CRI>80 - 220-240V

**2700K**

Non Dimmable

- ○ F023J23A001
- ● F023J23A006
- ● F023J23A012
- ● F023J23A018
- ● F023J23A030
- ● F023J23A033

1-10V

- ○ F023J23B001
- ● F023J23B006
- ● F023J23B012
- ● F023J23B018
- ● F023J23B030
- ● F023J23B033

Dali

- ○ F023J23D001
- ● F023J23D006
- ● F023J23D012
- ● F023J23D018
- ● F023J23D030
- ● F023J23D033

**3000K**

Non Dimmable

- ○ F023J33A001
- ● F023J33A006
- ● F023J33A012
- ● F023J33A018
- ● F023J33A030
- ● F023J33A033

1-10V

- ○ F023J33B001
- ● F023J33B006
- ● F023J33B012
- ● F023J33B018
- ● F023J33B030
- ● F023J33B033

Dali

- ○ F023J33D001
- ● F023J33D006
- ● F023J33D012
- ● F023J33D018
- ● F023J33D030
- ● F023J33D033

**4000K**

Non Dimmable

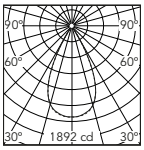
- ○ F023J43A001
- ● F023J43A006
- ● F023J43A012
- ● F023J43A018
- ● F023J43A030
- ● F023J43A033

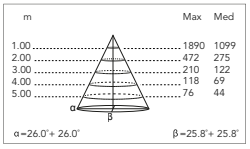
1-10V

- ○ F023J43B001
- ● F023J43B006
- ● F023J43B012
- ● F023J43B018
- ● F023J43B030
- ● F023J43B033

Dali

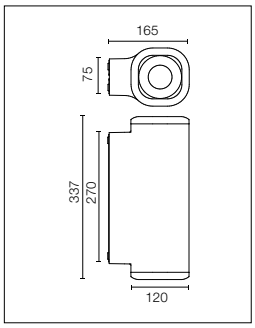
- ○ F023J43D001
- ● F023J43D006
- ● F023J43D012
- ● F023J43D018
- ● F023J43D030
- ● F023J43D033

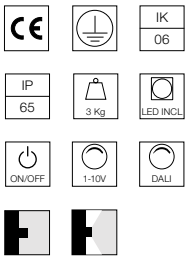



@3000K

* Preliminary technical specs. / Datos técnicos preliminares.




LED light source included. Integrated 220-240V ON/OFF and 1-10V/DALI dimmable electrical power.
Equipped with double cable gland for inlet and outlet connection.
Upon request: Single upwards emission or single downwards emission.

2200K available on request.

Fuente de luz LED incluida. Alimentación eléctrica integrada 220-240V ON/OFF y regulable 1-10V o DALI. Equipado con pasacables doble para la conexión de entrada y salida.
A petición, versión mono emisión hacia arriba o mono emisión hacia abajo.

2200K disponible bajo pedido.

### Optic Spot

**Power Led:** 32W - 2x1890 lm ≠ FIXT 2x1108 lm - 2700K/CRI>80 - 220-240V / 32W - 2x1960 lm ≠ FIXT 2x1149 lm - 3000K/CRI>80 - 220-240V / 32W - 2x2030 lm ≠ FIXT 2x1190 lm - 4000/CRI>80 - 220-240V

**2700K**
Non Dimmable
- F023J25A001
- F023J25A006
- F023J25A012
- F023J25A018
- F023J25A030
- F023J25A033

1-10V
- F023J25B001
- F023J25B006
- F023J25B012
- F023J25B018
- F023J25B030
- F023J25B033

Dali
- F023J25D001
- F023J25D006
- F023J25D012
- F023J25D018
- F023J25D030
- F023J25D033

**3000K**
Non Dimmable
- F023J35A001
- F023J35A006
- F023J35A012
- F023J35A018
- F023J35A030
- F023J35A033

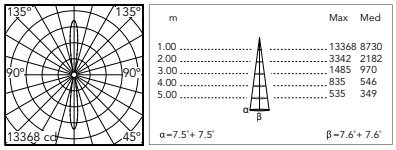
1-10V
- F023J35B001
- F023J35B006
- F023J35B012
- F023J35B018
- F023J35B030
- F023J35B033

Dali
- F023J35D001
- F023J35D006
- F023J35D012
- F023J35D018
- F023J35D030
- F023J35D033

**4000K**
Non Dimmable
- F023J45A001
- F023J45A006
- F023J45A012
- F023J45A018
- F023J45A030
- F023J45A033

1-10V
- F023J45B001
- F023J45B006
- F023J45B012
- F023J45B018
- F023J45B030
- F023J45B033

Dali
- F023J45D001
- F023J45D006
- F023J45D012
- F023J45D018
- F023J45D030
- F023J45D033




@3000K

### Optic Medium

**Power Led:** 32W - 2x1890 lm ≠ FIXT 2x1215 lm - 2700K/CRI>80 - 220-240V / 32W - 2x1960 lm ≠ FIXT 2x1260 lm - 3000K/CRI>80 - 220-240V / 32W - 2x2030 lm ≠ FIXT 2x1305 lm - 4000/CRI>80 - 220-240V

**2700K**
Non Dimmable
- F023J26A001
- F023J26A006
- F023J26A012
- F023J26A018
- F023J26A030
- F023J26A033

1-10V
- F023J26B001
- F023J26B006
- F023J26B012
- F023J26B018
- F023J26B030
- F023J26B033

Dali
- F023J26D001
- F023J26D006
- F023J26D012
- F023J26D018
- F023J26D030
- F023J26D033

**3000K**
Non Dimmable
- F023J36A001
- F023J36A006
- F023J36A012
- F023J36A018
- F023J36A030
- F023J36A033

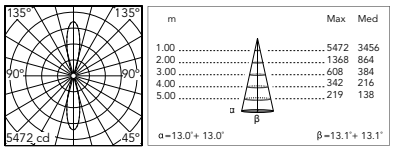
1-10V
- F023J36B001
- F023J36B006
- F023J36B012
- F023J36B018
- F023J36B030
- F023J36B033

Dali
- F023J36D001
- F023J36D006
- F023J36D012
- F023J36D018
- F023J36D030
- F023J36D033

**4000K**
Non Dimmable
- F023J46A001
- F023J46A006
- F023J46A012
- F023J46A018
- F023J46A030
- F023J46A033

1-10V
- F023J46B001
- F023J46B006
- F023J46B012
- F023J46B018
- F023J46B030
- F023J46B033

Dali
- F023J46D001
- F023J46D006
- F023J46D012
- F023J46D018
- F023J46D030
- F023J46D033




@3000K

* Preliminary technical specs. / Datos técnicos preliminares.

### Optic Flood

**Power Led:** 32W - 2x1890 lm ≠ FIXT 2x1222 lm - 2700K/CRI>80 - 220-240V / 32W - 2x1960 lm ≠ FIXT 2x1267 lm - 3000K/CRI>80 - 220-240V / 32W - 2x2030 lm ≠ FIXT 2x1311 lm - 4000/CRI>80 - 220-240V

**2700K**

Non Dimmable

- ○ F023J27A001
- ● F023J27A006
- ● F023J27A012
- ● F023J27A018
- ● F023J27A030
- ● F023J27A033

1-10V

- ○ F023J27B001
- ● F023J27B006
- ● F023J27B012
- ● F023J27B018
- ● F023J27B030
- ● F023J27B033

Dali

- ○ F023J27D001
- ● F023J27D006
- ● F023J27D012
- ● F023J27D018
- ● F023J27D030
- ● F023J27D033

**3000K**

Non Dimmable

- ○ F023J37A001
- ● F023J37A006
- ● F023J37A012
- ● F023J37A018
- ● F023J37A030
- ● F023J37A033

1-10V

- ○ F023J37B001
- ● F023J37B006
- ● F023J37B012
- ● F023J37B018
- ● F023J37B030
- ● F023J37B033

Dali

- ○ F023J37D001
- ● F023J37D006
- ● F023J37D012
- ● F023J37D018
- ● F023J37D030
- ● F023J37D033

**4000K**

Non Dimmable

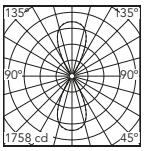
- ○ F023J47A001
- ● F023J47A006
- ● F023J47A012
- ● F023J47A018
- ● F023J47A030
- ● F023J47A033

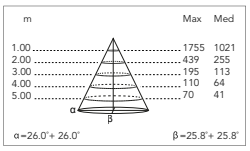
1-10V

- ○ F023J47B001
- ● F023J47B006
- ● F023J47B012
- ● F023J47B018
- ● F023J47B030
- ● F023J47B033

Dali

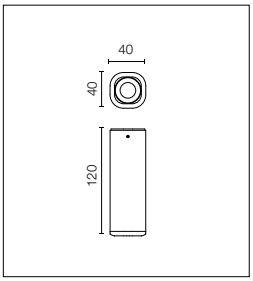
- ○ F023J47D001
- ● F023J47D006
- ● F023J47D012
- ● F023J47D018
- ● F023J47D030
- ● F023J47D033

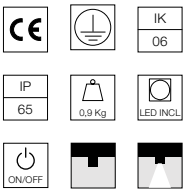



@3000K

* Preliminary technical specs. / Datos técnicos preliminares.




LED light source included. Integrated 220-240V ON/OFF electrical power. Equipped with IP65 rubber grommet and 2-pole quick-connect terminals.

2200K available on request.

Fuente de luz LED incluida. Fuente de alimentación integrada de 220-240V ON/OFF. Equipado con pasacables IP65 de goma y terminales de conexión rápida de 2 polos.

2200K disponible bajo pedido.

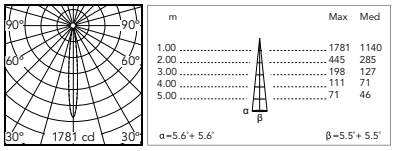
## Optic Spot

**Power LED:** 2,1W - 139 lm ≠ *FIXT 101 lm - 2700K/CRI>80 - 220-240V / 2,1W - 149 lm ≠ *FIXT 104 lm - 3000K/CRI>80 - 220-240V / 2,1W - 154 lm ≠ *FIXT 108 lm - 4000/CRI>80 - 220-240V
*FIXT lm = Spot Optic

**2700K**
Non Dimmable
- F023K21A001
- F023K21A006
- F023K21A012
- F023K21A018
- F023K21A030
- F023K21A033

**3000K**
Non Dimmable
- F023K31A001
- F023K31A006
- F023K31A012
- F023K31A018
- F023K31A030
- F023K31A033

**4000K**
Non Dimmable
- F023K41A001
- F023K41A006
- F023K41A012
- F023K41A018
- F023K41A030
- F023K41A033




@3000K

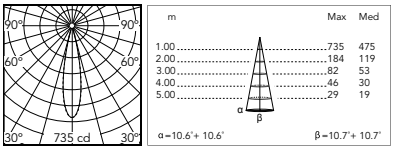
## Optic Medium

**Power LED:** 2,1W - 139 lm ≠ *FIXT 102 lm - 2700K/CRI>80 - 220-240V / 2,1W - 149 lm ≠ *FIXT 106 lm - 3000K/CRI>80 - 220-240V / 2,1W - 154 lm ≠ *FIXT 110 lm - 4000/CRI>80 - 220-240V
*FIXT lm = Spot Optic

**2700K**
Non Dimmable
- F023K22A001
- F023K22A006
- F023K22A012
- F023K22A018
- F023K22A030
- F023K22A033

**3000K**
Non Dimmable
- F023K32A001
- F023K32A006
- F023K32A012
- F023K32A018
- F023K32A030
- F023K32A033

**4000K**
Non Dimmable
- F023K42A001
- F023K42A006
- F023K42A012
- F023K42A018
- F023K42A030
- F023K42A033




@3000K

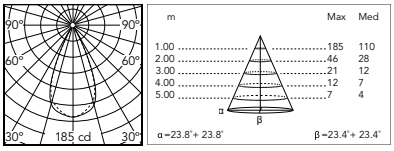
## Optic Flood

**Power LED:** 2,1W - 139 lm ≠ *FIXT 101 lm - 2700K/CRI>80 - 220-240V / 2,1W - 149 lm ≠ *FIXT 104 lm - 3000K/CRI>80 - 220-240V / 2,1W - 154 lm ≠ *FIXT 108 lm - 4000/CRI>80 - 220-240V
*FIXT lm = Spot Optic

**2700K**
Non Dimmable
- F023K23A001
- F023K23A006
- F023K23A012
- F023K23A018
- F023K23A030
- F023K23A033

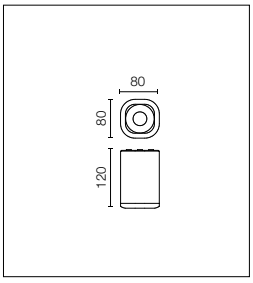
**3000K**
Non Dimmable
- F023K33A001
- F023K33A006
- F023K33A012
- F023K33A018
- F023K33A030
- F023K33A033

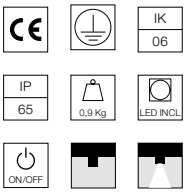
**4000K**
Non Dimmable
- F023K43A001
- F023K43A006
- F023K43A012
- F023K43A018
- F023K43A030
- F023K43A033




@3000K

* Preliminary technical specs. / Datos técnicos preliminares.




LED light source included. Integrated 220-240V ON/OFF electrical power. Equipped with double cable gland for inlet and outlet connection.

Fuente de luz LED incluida. Fuente de alimentación integrada de 220-240V ON/OFF. Equipado con pasacables doble para la conexión de entrada y salida.

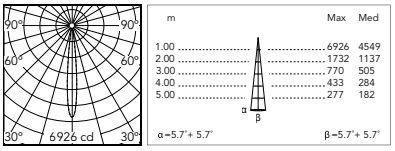
### Optic Spot

**Power LED:** 5,5W - 543 lm ≠ FIXT 319 lm - 2700K/CRI>80 - 220-240V / 5,5W - 570 lm ≠ FIXT 335 lm - 3000K/CRI>80 - 220-240V / 5,5W - 597 lm ≠ FIXT 367 lm - 4000/CRI>80 - 220-240V

**2700K**
Non Dimmable
- F023L21A001
- F023L21A006
- F023L21A012
- F023L21A018
- F023L21A030
- F023L21A033

**3000K**
Non Dimmable
- F023L31A001
- F023L31A006
- F023L31A012
- F023L31A018
- F023L31A030
- F023L31A033

**4000K**
Non Dimmable
- F023L41A001
- F023L41A006
- F023L41A012
- F023L41A018
- F023L41A030
- F023L41A033




@3000K

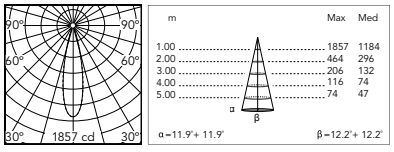
### Optic Medium

**Power LED:** 5,5W - 543 lm ≠ FIXT 350 lm - 2700K/CRI>80 - 220-240V / 5,5W - 570 lm ≠ FIXT 367 lm - 3000K/CRI>80 - 220-240V / 5,5W - 597 lm ≠ FIXT 402 lm - 4000/CRI>80 - 220-240V

**2700K**
Non Dimmable
- F023L22A001
- F023L22A006
- F023L22A012
- F023L22A018
- F023L22A030
- F023L22A033

**3000K**
Non Dimmable
- F023L32A001
- F023L32A006
- F023L32A012
- F023L32A018
- F023L32A030
- F023L32A033

**4000K**
Non Dimmable
- F023L42A001
- F023L42A006
- F023L42A012
- F023L42A018
- F023L42A030
- F023L42A033




@3000K

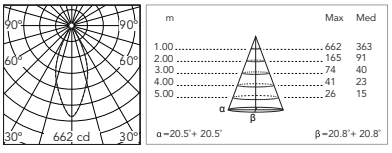
### Optic Flood

**Power LED:** 5,5W - 543 lm ≠ FIXT 311 lm - 2700K/CRI>80 - 220-240V / 5,5W - 570 lm ≠ FIXT 325 lm - 3000K/CRI>80 - 220-240V / 5,5W - 597 lm ≠ FIXT 356 lm - 4000/CRI>80 - 220-240V

**2700K**
Non Dimmable
- F023L23A001
- F023L23A006
- F023L23A012
- F023L23A018
- F023L23A030
- F023L23A033

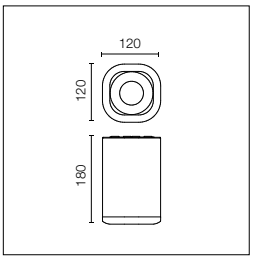
**3000K**
Non Dimmable
- F023L33A001
- F023L33A006
- F023L33A012
- F023L33A018
- F023L33A030
- F023L33A033

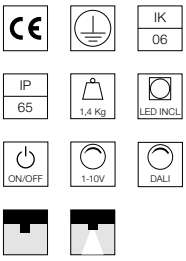
**4000K**
Non Dimmable
- F023L43A001
- F023L43A006
- F023L43A012
- F023L43A018
- F023L43A030
- F023L43A033




@3000K

* Preliminary technical specs. / Datos técnicos preliminares.




LED light source included. Integrated 220-240V ON/OFF and 1-10V/DALI dimmable electrical power. Equipped with double cable gland for inlet and outlet connection.

2200K available on request.

Fuente de luz LED incluida. Alimentación eléctrica integrada 220-240V ON/OFF y regulable 1-10V o DALI. Equipado con pasacables doble para la conexión de entrada y salida.

2200K disponible bajo pedido.

## Optic Spot

**Power Led:** 17W - 1890 lm ≠ FIXT 1108 lm - 2700K/CRI>80 - 220-240V / 17W - 1960 lm ≠ FIXT 1149 lm - 3000K/CRI>80 - 220-240V / 17W - 2030 lm ≠ FIXT 1190 lm - 4000/CRI>80 - 220-240V

**2700K**
Non Dimmable
- ○ F023M21A001
- ● F023M21A006
- ● F023M21A012
- ● F023M21A018
- ● F023M21A030
- ● F023M21A033

1-10V
- ○ F023M21B001
- ● F023M21B006
- ● F023M21B012
- ● F023M21B018
- ● F023M21B030
- ● F023M21B033

Dali
- ○ F023M21D001
- ● F023M21D006
- ● F023M21D012
- ● F023M21D018
- ● F023M21D030
- ● F023M21D033

**3000K**
Non Dimmable
- ○ F023M31A001
- ● F023M31A006
- ● F023M31A012
- ● F023M31A018
- ● F023M31A030
- ● F023M31A033

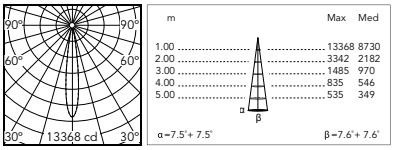
1-10V
- ○ F023M31B001
- ● F023M31B006
- ● F023M31B012
- ● F023M31B018
- ● F023M31B030
- ● F023M31B033

Dali
- ○ F023M31D001
- ● F023M31D006
- ● F023M31D012
- ● F023M31D018
- ● F023M31D030
- ● F023M31D033

**4000K**
Non Dimmable
- ○ F023M41A001
- ● F023M41A006
- ● F023M41A012
- ● F023M41A018
- ● F023M41A030
- ● F023M41A033

1-10V
- ○ F023M41B001
- ● F023M41B006
- ● F023M41B012
- ● F023M41B018
- ● F023M41B030
- ● F023M41B033

Dali
- ○ F023M41D001
- ● F023M41D006
- ● F023M41D012
- ● F023M41D018
- ● F023M41D030
- ● F023M41D033




@3000K

## Optic Medium

**Power Led:** 17W - 1890 lm ≠ FIXT 1215 lm - 2700K/CRI>80 - 220-240V / 17W - 1960 lm ≠ FIXT 1260 - 3000K/CRI>80 - 220-240V / 17W - 2030 lm ≠ FIXT 1305 lm - 4000/CRI>80 - 220-240V

**2700K**
Non Dimmable
- ○ F023M22A001
- ● F023M22A006
- ● F023M22A012
- ● F023M22A018
- ● F023M22A030
- ● F023M22A033

1-10V
- ○ F023M22B001
- ● F023M22B006
- ● F023M22B012
- ● F023M22B018
- ● F023M22B030
- ● F023M22B033

Dali
- ○ F023M22D001
- ● F023M22D006
- ● F023M22D012
- ● F023M22D018
- ● F023M22D030
- ● F023M22D033

**3000K**
Non Dimmable
- ○ F023M32A001
- ● F023M32A006
- ● F023M32A012
- ● F023M32A018
- ● F023M32A030
- ● F023M32A033

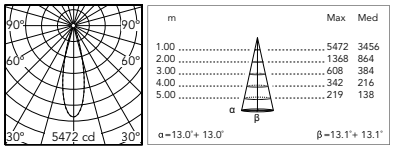
1-10V
- ○ F023M32B001
- ● F023M32B006
- ● F023M32B012
- ● F023M32B018
- ● F023M32B030
- ● F023M32B033

Dali
- ○ F023M32D001
- ● F023M32D006
- ● F023M32D012
- ● F023M32D018
- ● F023M32D030
- ● F023M32D033

**4000K**
Non Dimmable
- ○ F023M42A001
- ● F023M42A006
- ● F023M42A012
- ● F023M42A018
- ● F023M42A030
- ● F023M42A033

1-10V
- ○ F023M42B001
- ● F023M42B006
- ● F023M42B012
- ● F023M42B018
- ● F023M42B030
- ● F023M42B033

Dali
- ○ F023M42D001
- ● F023M42D006
- ● F023M42D012
- ● F023M42D018
- ● F023M42D030
- ● F023M42D033




@3000K

* Preliminary technical specs. / Datos técnicos preliminares.

### Optic Flood

**Power Led:** 17W - 1890 lm ≠ FIXT 1222 lm - 2700K/CRI>80 - 220-240V / 17W - 1960 lm ≠ FIXT 1267 lm - 3000K/CRI>80 - 220-240V / 17W - 2030 lm ≠ FIXT 1311 lm - 4000/CRI>80 - 220-240V

**2700K**

Non Dimmable

- ○ F023M23A001
- ● F023M23A006
- ● F023M23A012
- ● F023M23A018
- ● F023M23A030
- ● F023M23A033

1-10V

- ○ F023M23B001
- ● F023M23B006
- ● F023M23B012
- ● F023M23B018
- ● F023M23B030
- ● F023M23B033

Dali

- ○ F023M23D001
- ● F023M23D006
- ● F023M23D012
- ● F023M23D018
- ● F023M23D030
- ● F023M23D033

**3000K**

Non Dimmable

- ○ F023M33A001
- ● F023M33A006
- ● F023M33A012
- ● F023M33A018
- ● F023M33A030
- ● F023M33A033

1-10V

- ○ F023M33B001
- ● F023M33B006
- ● F023M33B012
- ● F023M33B018
- ● F023M33B030
- ● F023M33B033

Dali

- ○ F023M33D001
- ● F023M33D006
- ● F023M33D012
- ● F023M33D018
- ● F023M33D030
- ● F023M33D033

**4000K**

Non Dimmable

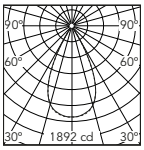
- ○ F023M43A001
- ● F023M43A006
- ● F023M43A012
- ● F023M43A018
- ● F023M43A030
- ● F023M43A033

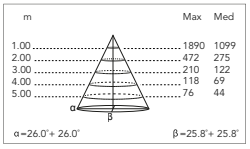
1-10V

- ○ F023M43B001
- ● F023M43B006
- ● F023M43B012
- ● F023M43B018
- ● F023M43B030
- ● F023M43B033

Dali

- ○ F023M43D001
- ● F023M43D006
- ● F023M43D012
- ● F023M43D018
- ● F023M43D030
- ● F023M43D033



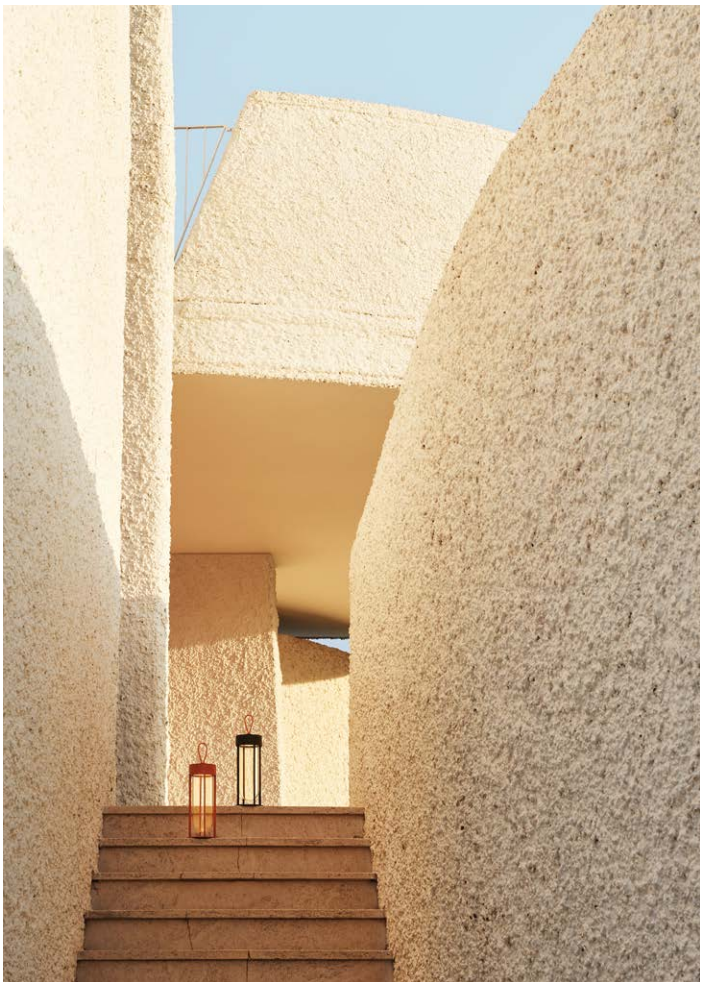




@3000K

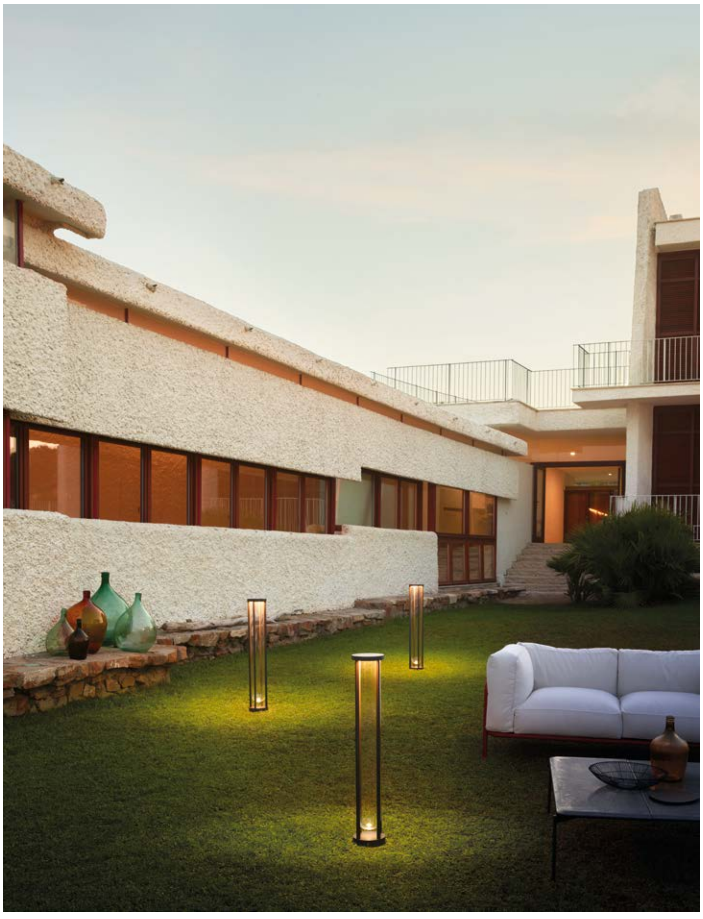
* Preliminary technical specs. / Datos técnicos preliminares.

# In Vitro

Designed by Philippe Starck



In Vitro Unplugged



In Vitro Bollard

In Vitro Suspension

## Family / Familia

In Vitro Unplugged

**Led Edge Lighting**
2,5W
115 lm - 2700K/CRI 80
124 lm - 3000K/CRI 80

In Vitro Bollard

**Led Edge Lighting**
11W
667 lm - 2700K/CRI 80
714 lm - 3000K/CRI 80

In Vitro Wall

**Led Edge Lighting**
11W
667 lm - 2700K/CRI 80
714 lm - 3000K/CRI 80

In Vitro Ceiling

**Led Edge Lighting**
13W
799 lm - 2700K/CRI 80
855 lm - 3000K/CRI 80

In Vitro Suspension

**Led Edge Lighting**
13W
799 lm - 2700K/CRI 80
855 lm - 3000K/CRI 80

In Vitro Rod

**Led Edge Lighting**
13W
799 lm - 2700K/CRI 80
855 lm - 3000K/CRI 80

## Colours / Colores

01 White

12 Forest Green

13 Pale Green

18 Deep Brown

25 Terracotta

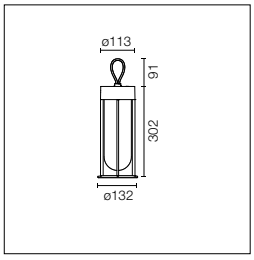
30 Black

33 Anthracite

Luminaires for floor, wall and suspended installation, and portable luminaire, with diffused light for outdoor use.
Opalescent diffuser integrated in the head and external transparent borosilicate safety glass.
The structural parts of the luminaire are made of extruded die-cast aluminum, treated with a chemical conversion procedure to ensure effective resistance to atmospheric conditions. The body is powder coated and comes in various finishes.
Integrated LED light source with Edge Lighting optical technology to ensure perfect light uniformity. Driver integrated in the luminaire body available for ON/OFF and dimmable control.
Bollard version comes with a watertight plug for power supply connection. The luminaire may be installed on any type of flooring using anchors, to be selected by the installer depending on the type of surface. Accessory box for installation on flooring to be concreted sold separately.
Unplugged version is equipped with a practical, colored silicone handle and is easily recharged with a 120cm long Micro USB-C cable. Dimmable driver in the body of the luminaire with an integrated touch-dim system, accessible through an optical switch sensor located on the head. With a simple touch, light intensity can be adjusted through a 4-step dimming function, ensuring a continuous emission for up to 6 hours.

Luminarias para instalación en suelo, en pared, en techo, en suspensión y luminaria portátil, con luz difusa para uso exterior.
Difusor opalescente integrado en el cabezal y cristal de seguridad externo de borosilicato transparente.
Las partes estructurales de la luminaria están hechas de aluminio fundido a presión y extruido, tratado con un procedimiento de conversión química para garantizar una eficaz resistencia a los agentes atmosféricos. El cuerpo está recubierto en polvo y está disponible en varios acabados.
Fuente de luz LED integrada con tecnología óptica Edge Lighting para garantizar una perfecta uniformidad de la luz.
Driver integrado en el cuerpo de la luminaria disponible para control ON/OFF y regulable.
La versión Bollard se suministra con un conector estanco para la conexión a la red. La luminaria puede ser instalada en cualquier tipo de suelo mediante tacos a elegir por el instalador en función del tipo de superficie. Disponible como accesorio que debe pedirse por separado el encofrado para la instalación en un pavimento para hormigonar.
La versión Unplugged está equipada con una práctica asa de silicona en color y se recarga fácilmente a través de un cable Micro USB-C de 120 cm de longitud. El driver regulable está alojado en el cuerpo de la luminaria y dispone del sistema touch-dimm integrado, al que se accede a través de un sensor óptico situado en el cabezal. Con un simple toque es posible ajustar la intensidad luminosa de la lámpara en 4 niveles de regulación, asegurando una emisión continua de hasta 6 horas.

## In Vitro Unplugged




IP 65 | IK 08 | 1 Kg | LED INCL

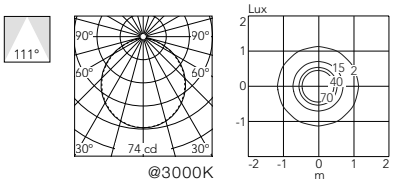
Portable version equipped with a carrying handle. Adjustable driver 5/100÷240V/50-60Hz integrated in the body of the luminaire with optical switch sensor on the head and with a 4-step dimming function: 100%-50%-3%-OFF. Rechargeable with a 120cm long Micro USB-C cable ensuring continuous emission for up to 6 hours. Charger with interchangeable EUR, UK and USA plugs.

Versión portátil equipada con asa de transporte. Driver regulable 5/100÷240V/50-60Hz integrado en el cuerpo de la luminaria con sensor óptico táctil en el cabezal y con regulación de la intensidad luminosa en 4 niveles: 100%-50%-3%-OFF. Recargable a través de un cable Micro USB-C de 120 cm de longitud que garantiza una emisión continua de hasta 6 horas. Cargador con enchufes intercambiables EUR, UK, USA.

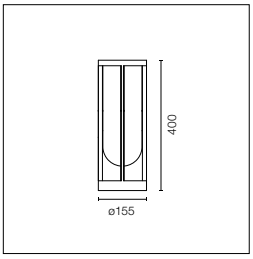
**Led Edge Lighting:** 2,5W - 182 lm ≠ FIXT 115 lm - 2700K/CRI 90 - 100-240V/V5 / 2,5W - 195 lm ≠ FIXT 124 lm - 3000K/CRI 90 - 100-240V/V5

**2700K**
Touch Dimm
- ○ F018E21K001
- ● F018E21K012
- ● F018E21K013
- ● F018E21K018
- ● F018E21K025
- ● F018E21K030
- ● F018E21K033

**3000K**
Touch Dimm
- ○ F018E31K001
- ● F018E31K012
- ● F018E31K013
- ● F018E31K018
- ● F018E31K025
- ● F018E31K030
- ● F018E31K033




## In Vitro Bollard 1




IP 66 | IK 10 | 2,2 Kg | LED INCL

Integrated 220–240V ON/OFF or dimmable electrical power. The unit comes with a watertight plug for connection to the electrical network. The device may be installed on any flooring with anchors. Box for installation on flooring laid over concrete sold separately.

Alimentación eléctrica ON/OFF o regulable 220-240V integrada. El aparato se suministra con un conector estanco para la conexión a la red eléctrica. El aparato puede instalarse en cualquier suelo mediante tacos. Encofrado disponible como accesorio que puede encargar por separado para pavimentos de hormigón.

**Led Edge Lighting:** 11W - 1150 lm ≠ FIXT 667 lm - 2700K/CRI 80 - 220-240V / 11W - 1230 lm ≠ FIXT 714 lm - 3000K/CRI 80 - 220-240V

**2700K**
Non Dimmable
- ○ F018A21A001
- ● F018A21A012
- ● F018A21A013
- ● F018A21A018
- ● F018A21A025
- ● F018A21A030
- ● F018A21A033

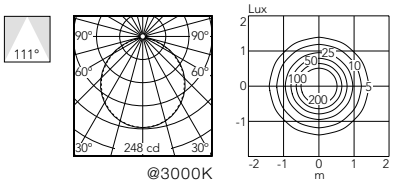
1-10V
- ○ F018A21B001
- ● F018A21B012
- ● F018A21B013
- ● F018A21B018
- ● F018A21B025
- ● F018A21B030
- ● F018A21B033

Dali
- ○ F018A21D001
- ● F018A21D012
- ● F018A21D013
- ● F018A21D018
- ● F018A21D025
- ● F018A21D030
- ● F018A21D033

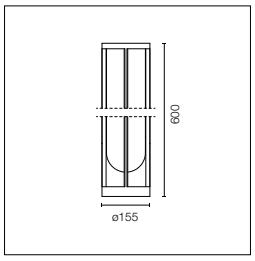
**3000K**
Non Dimmable
- ○ F018A31A001
- ● F018A31A012
- ● F018A31A013
- ● F018A31A018
- ● F018A31A025
- ● F018A31A030
- ● F018A31A033

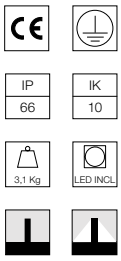
1-10V
- ○ F018A31B001
- ● F018A31B012
- ● F018A31B013
- ● F018A31B018
- ● F018A31B025
- ● F018A31B030
- ● F018A31B033

Dali
- ○ F018A31D001
- ● F018A31D012
- ● F018A31D013
- ● F018A31D018
- ● F018A31D025
- ● F018A31D030
- ● F018A31D033



## In Vitro Bollard 2




Integrated 220–240V ON/OFF or dimmable electrical power. The unit comes with a watertight plug for connection to the electrical network. The device may be installed on any flooring with anchors. Box for installation on flooring laid over concrete sold separately.

Alimentación eléctrica ON/OFF o regulable 220-240V integrada. El aparato se suministra con un conector estanco para la conexión a la red eléctrica. El aparato puede instalarse en cualquier suelo mediante tacos. Encofrado disponible como accesorio que puede encargar por separado para pavimentos de hormigón.

**Led Edge Lighting:** 11W - 1150 lm ≠ FIXT 667 lm - 2700K/CRI 80 - 220-240V / 11W - 1230 lm ≠ FIXT 714 lm - 3000K/CRI 80 - 220-240V

**2700K**
Non Dimmable
- ○ F018A22A001
- ● F018A22A012
- ● F018A22A013
- ● F018A22A018
- ● F018A22A025
- ● F018A22A030
- ● F018A22A033

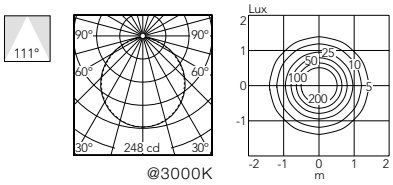
1-10V
- ○ F018A22B001
- ● F018A22B012
- ● F018A22B013
- ● F018A22B018
- ● F018A22B025
- ● F018A22B030
- ● F018A22B033

Dali
- ○ F018A22D001
- ● F018A22D012
- ● F018A22D013
- ● F018A22D018
- ● F018A22D025
- ● F018A22D030
- ● F018A22D033

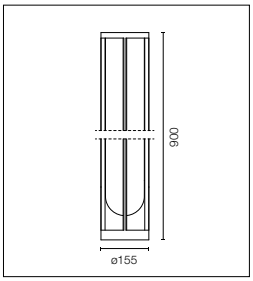
**3000K**
Non Dimmable
- ○ F018A32A001
- ● F018A32A012
- ● F018A32A013
- ● F018A32A018
- ● F018A32A025
- ● F018A32A030
- ● F018A32A033

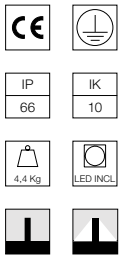
1-10V
- ○ F018A32B001
- ● F018A32B012
- ● F018A32B013
- ● F018A32B018
- ● F018A32B025
- ● F018A32B030
- ● F018A32B033

Dali
- ○ F018A32D001
- ● F018A32D012
- ● F018A32D013
- ● F018A32D018
- ● F018A32D025
- ● F018A32D030
- ● F018A32D033




## In Vitro Bollard 3




Integrated 220–240V ON/OFF or dimmable electrical power. The unit comes with a watertight plug for connection to the electrical network. The device may be installed on any flooring with anchors. Box for installation on flooring laid over concrete sold separately.

Alimentación eléctrica ON/OFF o regulable 220-240V integrada. El aparato se suministra con un conector estanco para la conexión a la red eléctrica. El aparato puede instalarse en cualquier suelo mediante tacos. Encofrado disponible como accesorio que puede encargar por separado para pavimentos de hormigón.

**Led Edge Lighting:** 11W - 1150 lm ≠ FIXT 667 lm - 2700K/CRI 80 - 220-240V / 11W - 1230 lm ≠ FIXT 714 lm - 3000K/CRI 80 - 220-240V

**2700K**
Non Dimmable
- ○ F018A23A001
- ● F018A23A012
- ● F018A23A013
- ● F018A23A018
- ● F018A23A025
- ● F018A23A030
- ● F018A23A033

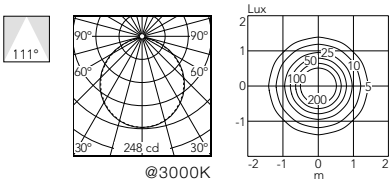
1-10V
- ○ F018A23B001
- ● F018A23B012
- ● F018A23B013
- ● F018A23B018
- ● F018A23B025
- ● F018A23B030
- ● F018A23B033

Dali
- ○ F018A23D001
- ● F018A23D012
- ● F018A23D013
- ● F018A23D018
- ● F018A23D025
- ● F018A23D030
- ● F018A23D033

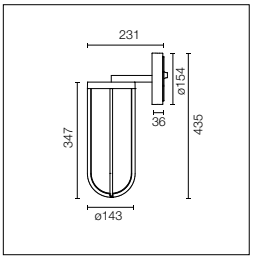
**3000K**
Non Dimmable
- ○ F018A33A001
- ● F018A33A012
- ● F018A33A013
- ● F018A33A018
- ● F018A33A025
- ● F018A33A030
- ● F018A33A033

1-10V
- ○ F018A33B001
- ● F018A33B012
- ● F018A33B013
- ● F018A33B018
- ● F018A33B025
- ● F018A33B030
- ● F018A33B033

Dali
- ○ F018A33D001
- ● F018A33D012
- ● F018A33D013
- ● F018A33D018
- ● F018A33D025
- ● F018A33D030
- ● F018A33D033



## In Vitro Wall




IP 66 | IK 10 | 2,2 Kg | LED INCL

Wall mount. Light source included. Integrated 220–240V ON/OFF or dimmable electrical power.

Soporte de pared. Fuente luminosa incluida. Alimentación eléctrica on/off o regulable 200/240V integrada.

**Led Edge Lighting:** 11W - 1150 lm ≠ FIXT 667 lm - 2700K/CRI 80 - 220-240V / 11W - 1230 lm ≠ FIXT 714 lm - 3000K/CRI 80 - 220-240V

**2700K**
Non Dimmable
- ○ F018B22A001
- ● F018B22A012
- ● F018B22A013
- ● F018B22A018
- ● F018B22A025
- ● F018B22A030
- ● F018B22A033

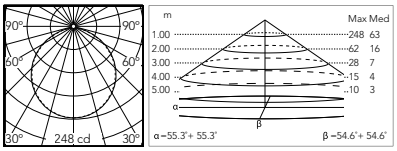
1-10V
- ○ F018B22B001
- ● F018B22B012
- ● F018B22B013
- ● F018B22B018
- ● F018B22B025
- ● F018B22B030
- ● F018B22B033

Dali
- ○ F018B22D001
- ● F018B22D012
- ● F018B22D013
- ● F018B22D018
- ● F018B22D025
- ● F018B22D030
- ● F018B22D033

**3000K**
Non Dimmable
- ○ F018B32A001
- ● F018B32A012
- ● F018B32A013
- ● F018B32A018
- ● F018B32A025
- ● F018B32A030
- ● F018B32A033

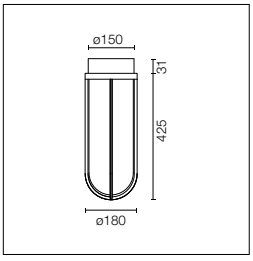
1-10V
- ○ F018B32B001
- ● F018B32B012
- ● F018B32B013
- ● F018B32B018
- ● F018B32B025
- ● F018B32B030
- ● F018B32B033

Dali
- ○ F018B32D001
- ● F018B32D012
- ● F018B32D013
- ● F018B32D018
- ● F018B32D025
- ● F018B32D030
- ● F018B32D033




@3000K

## In Vitro Ceiling




IP 66 | IK 10 | 2,8 Kg | LED INCL

Light source included. Ceiling mount. Integrated 220–240V ON/OFF or dimmable electrical power.

Fuente luminosa incluida. Soporte de techo. Alimentación eléctrica ON/OFF o regulable 200/240V integrada.

**Led Edge Lighting:** 13W - 1378 lm ≠ FIXT 799 lm - 2700K/CRI 80 - 220-240V / 13W - 1474 lm ≠ FIXT 855 lm - 3000K/CRI 80 - 220-240V

**2700K**
Non Dimmable
- ○ F018C25A001
- ● F018C25A012
- ● F018C25A013
- ● F018C25A018
- ● F018C25A025
- ● F018C25A030
- ● F018C25A033

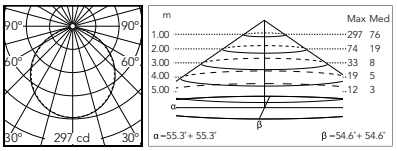
1-10V
- ○ F018C25B001
- ● F018C25B012
- ● F018C25B013
- ● F018C25B018
- ● F018C25B025
- ● F018C25B030
- ● F018C25B033

Dali
- ○ F018C25D001
- ● F018C25D012
- ● F018C25D013
- ● F018C25D018
- ● F018C25D025
- ● F018C25D030
- ● F018C25D033

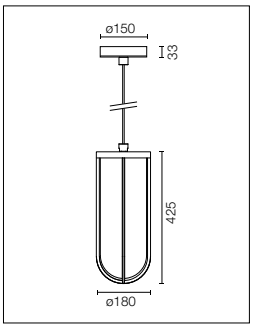
**3000K**
Non Dimmable
- ○ F018C35A001
- ● F018C35A012
- ● F018C35A013
- ● F018C35A018
- ● F018C35A025
- ● F018C35A030
- ● F018C35A033

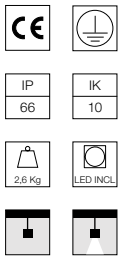
1-10V
- ○ F018C35B001
- ● F018C35B012
- ● F018C35B013
- ● F018C35B018
- ● F018C35B025
- ● F018C35B030
- ● F018C35B033

Dali
- ○ F018C35D001
- ● F018C35D012
- ● F018C35D013
- ● F018C35D018
- ● F018C35D025
- ● F018C35D030
- ● F018C35D033




@3000K




Hanging version. Light source included. 220–240V ON/OFF or dimmable electrical power integrated within the dedicated ceiling attachment. Hanging cable length 1000 mm. t.

Suspensión. Fuente luminosa incluida. Alimentación eléctrica ON/OFF o regulable 200/240V integrada al interno del soporte del techo del dispositivo. Longitud del cable de suspensión 1000 mm.

**Led Edge Lighting:** 13W - 1378 lm ≠ FIXT 799 lm - 2700K/CRI 80 - 220-240V / 13W - 1474 lm ≠ FIXT 855 lm - 3000K/CRI 80 - 220-240V

**2700K**

Non Dimmable

- ○ F018D25A001
- ● F018D25A012
- ● F018D25A013
- ● F018D25A018
- ● F018D25A025
- ● F018D25A030
- ● F018D25A033

1-10V

- ○ F018D25B001
- ● F018D25B012
- ● F018D25B013
- ● F018D25B018
- ● F018D25B025
- ● F018D25B030
- ● F018D25B033

Dali

- ○ F018D25D001
- ● F018D25D012
- ● F018D25D013
- ● F018D25D018
- ● F018D25D025
- ● F018D25D030
- ● F018D25D033

**3000K**

Non Dimmable

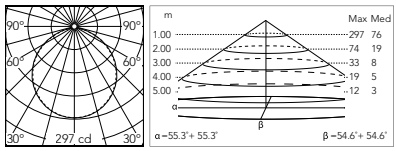
- ○ F018D35A001
- ● F018D35A012
- ● F018D35A013
- ● F018D35A018
- ● F018D35A025
- ● F018D35A030
- ● F018D35A033

1-10V

- ○ F018D35B001
- ● F018D35B012
- ● F018D35B013
- ● F018D35B018
- ● F018D35B025
- ● F018D35B030
- ● F018D35B033

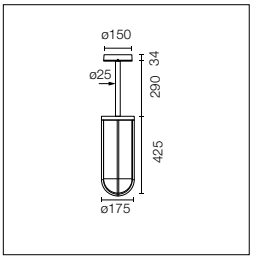
Dali

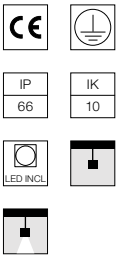
- ○ F018D35D001
- ● F018D35D012
- ● F018D35D013
- ● F018D35D018
- ● F018D35D025
- ● F018D35D030
- ● F018D35D033




@3000K

## In Vitro Rod 1




Rod installation. Light source is included. Power supply ON/OFF or dimmable 220-240V is integrated within the ceiling base. Length: 290 mm.

Instalación en suspensión rígida. La fuente lumínica está incluida. Alimentación eléctrica ON/OFF o regulable 220-240V está integrada en el interior de la base para el techo. Longitud 290 mm.

**Led Edge Lighting:** 13W - 1378 lm ≠ FIXT 799 lm - 2700K/CRI 80 - 220-240V / 13W - 1474 lm ≠ FIXT 855 lm - 3000K/CRI 80 - 220-240V

**2700K**
Non Dimmable
- ○ F018F21A001
- ● F018F21A012
- ● F018F21A013
- ● F018F21A018
- ● F018F21A025
- ● F018F21A030
- ● F018F21A033

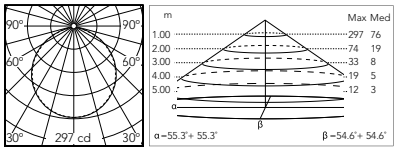
1-10V
- ○ F018F21B001
- ● F018F21B012
- ● F018F21B013
- ● F018F21B018
- ● F018F21B025
- ● F018F21B030
- ● F018F21B033

Dali
- ○ F018F21D001
- ● F018F21D012
- ● F018F21D013
- ● F018F21D018
- ● F018F21D025
- ● F018F21D030
- ● F018F21D033

**3000K**
Non Dimmable
- ○ F018F31A001
- ● F018F31A012
- ● F018F31A013
- ● F018F31A018
- ● F018F31A025
- ● F018F31A030
- ● F018F31A033

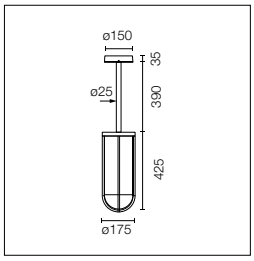
1-10V
- ○ F018F31B001
- ● F018F31B012
- ● F018F31B013
- ● F018F31B018
- ● F018F31B025
- ● F018F31B030
- ● F018F31B033

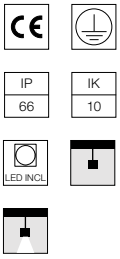
Dali
- ○ F018F31D001
- ● F018F31D012
- ● F018F31D013
- ● F018F31D018
- ● F018F31D025
- ● F018F31D030
- ● F018F31D033




@3000K

## In Vitro Rod 2




Rod installation. Light source is included. Power supply ON/OFF or dimmable 220-240V is integrated within the ceiling base. Length: 390 mm.

Instalación en suspensión rígida. La fuente lumínica está incluida. Alimentación eléctrica ON/OFF o regulable 220-240V está integrada en el interior de la base para el techo. Longitud 390 mm.

**Led Edge Lighting:** 13W - 1378 lm ≠ FIXT 799 lm - 2700K/CRI 80 - 220-240V / 13W - 1474 lm ≠ FIXT 855 lm - 3000K/CRI 80 - 220-240V

**2700K**
Non Dimmable
- ○ F018F22A001
- ● F018F22A012
- ● F018F22A013
- ● F018F22A018
- ● F018F22A025
- ● F018F22A030
- ● F018F22A033

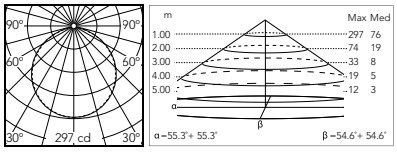
1-10V
- ○ F018F22B001
- ● F018F22B012
- ● F018F22B013
- ● F018F22B018
- ● F018F22B025
- ● F018F22B030
- ● F018F22B033

Dali
- ○ F018F22D001
- ● F018F22D012
- ● F018F22D013
- ● F018F22D018
- ● F018F22D025
- ● F018F22D030
- ● F018F22D033

**3000K**
Non Dimmable
- ○ F018F32A001
- ● F018F32A012
- ● F018F32A013
- ● F018F32A018
- ● F018F32A025
- ● F018F32A030
- ● F018F32A033

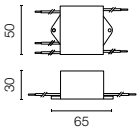
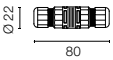
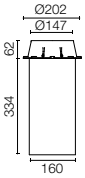
1-10V
- ○ F018F32B001
- ● F018F32B012
- ● F018F32B013
- ● F018F32B018
- ● F018F32B025
- ● F018F32B030
- ● F018F32B033

Dali
- ○ F018F32D001
- ● F018F32D012
- ● F018F32D013
- ● F018F32D018
- ● F018F32D025
- ● F018F32D030
- ● F018F32D033




@3000K

## In Vitro Bollard

| | | | | |
|---|---|---|---|---|
| Surge protection device. 275Vac. Maximum discharge current 10KA (8/20us). Maximum operating current 5A. Suitable for series connection. IP66. | Dispositivo de protección contra sobrecargas. 275 Vac. Corriente de descarga máxima 10KA (8/20us). Corriente máxima de funcionamiento 5A. Apta para conexión en serie. IP66. | F990E00A000 | |   |
| 2 way terminal block 4 poles IP68 H2O Stop. | Bloque de terminales IP68 H2O Stop anticondensación con 2 vías y 4 polos. | F990C00A000 | |   |
| Box for ground installation. | Encofrado para instalación en suelo. | F018Z000000 | |   |

## Mayday Outdoor

Designed by Konstantin Grcic

Mayday Outdoor

**Led Retrofit**
Max. 10W
2700K/CRI 80
3000K/CRI 80

## Colours / Colores

Black

Leaf Green

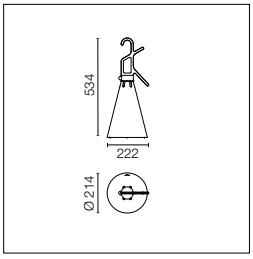
Mustard Yellow

## Description / Descripción

Multipurpose luminaire suitable for outdoor use. Its practical hook/handle, which also serves to wind the cable, is made of recycled polypropylene. In the outdoor version, it is available both in the classic black color and in the natural shades of leaf green and mustard yellow. The handle has a convenient watertight ON/OFF switch. The 6 meters long outgoing cable, which is fixed to the handle by a cable guide, is suitable for outdoor use and has a Schuko IP44 plug. The conical diffuser, in opaline color and produced by injection printing, is made of sustainable polypropylene obtained from industrial waste.
The light source is protected from atmospheric agents by a watertight and transparent polymethylmethacrylate capsule, sealed by an elastomer seal that guarantees IP 65 protection.
Mayday is easy to disassemble so that each part can be properly recycled; no glue is used in the assembly process. The shipping packaging is completed with a pure natural cotton drill bag.

Luminaria multiuso apta para exteriores. Su práctico gancho/asa, que sirve también para arrollar el cable, está hecho en polipropileno reciclado, disponible, en la versión outdoor, tanto en el clásico color negro, como en las tonalidades naturales del verde hoja y amarillo mostaza. El asa dispone de un cómodo interruptor ON/OFF estanco. El cable saliente, fijado en el asa mediante pasacables, es apto para exteriores, tiene una longitud de 6 metros y dispone de un enchufe Schuko IP44. el difusor cónico, de color opalino y producido por impresión de inyección, está hecho con polipropileno sostenible, obtenido de los desechos industriales.
La fuente lumínica está protegida de los agentes atmosféricos por una cápsula estanca y transparente en polimetilmetacrilato, sellada mediante una junta en elastómero que garantiza el nivel de protección IP 65.
Mayday se desmonta fácilmente para que cada parte pueda reciclarse correctamente; en el proceso de ensamblaje no se utiliza ningún tipo de pegamento.  el embalaje de envío se completa con una bolsa en puro drill algodón natural.

## Mayday Outdoor




IP 65 | IK 07 | 0,9 Kg | LED INCL | 6000 mm

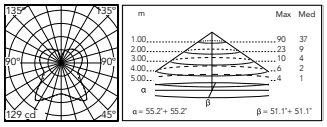
Socket for E14 bulb, light source not included.
220-240 V ON/OFF electric power supply. IP65 switch on the handle of the luminaire. It has a 6 meter long cable for outdoor use and an IP44 Schuko plug.

Casquillo para la bombilla E14, fuente lumínica no incluida. Alimentación eléctrica 220-240V ON/OFF. Interruptor IP65 en el asa de la luminaria. Dispone de cable de 6 metros de longitud para exteriores y de enchufe Schuko IP44.

**Led Retrofit:** Max. 10W - E14 - 220-240V

**2700K**

- F038AAAA0ZZ
- F038AACA0ZZ
- F038AABA0ZZ




@3000K

## Mayday Outdoor: Accessories / Accesorios

| | | | |
|---|---|---|---|
| LED Lamp E14 8W 2700K 900 lm 230V T28. | Lámpara LED E14 8W 2700K 900 lm 230V T28. | RF32290 | |
| LED Lamp E14 8W 3000K 900 lm 230V T28. | Lámpara LED E14 8W 3000K 900 lm 230V T28. | RF32291 | |

# Mile

Designed by Antonio Citterio

Mile Wall

Mile Ceiling 1

Mile Bollard 1

## Family / Familia

Mile Bollard 1 600

Mono / Double

Mile Bollard 2 600

Mono / Double

Mile Bollard 1 900

Mono / Double

Mile Bollard 2 900

Mono / Double

**Mid - Power Led**
4,9W
283 lm - 2700K/CRI 80
294 lm - 3000K/CRI 80
305 lm - 4000K/CRI 80
2200K available on request.

**Mid - Power Led**
9,8W
2x283 lm - 2700K/CRI 80
2x294 lm - 3000K/CRI 80
2x305 lm - 4000K/CRI 80
2200K available on request.

**Mid - Power Led**
7,8W
603 lm - 2700K/CRI 80
627 lm - 3000K/CRI 80
651 lm - 4000K/CRI 80
2200K available on request.

**Mid - Power Led**
15,6W
2x603 lm - 2700K/CRI 80
2x627 lm - 3000K/CRI 80
2x651 lm - 4000K/CRI 80
2200K available on request.

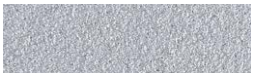
## Colours / Colores



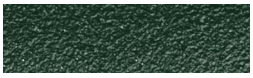
*00 Primer



01 White



06 Grey



**12 Forest Green

18 Deep Brown

30 Black

33 Anthracite

* Only for Wall, Path and Ceiling versions / Sólo para las versiones Wall, Path y Ceiling.
** Only for Wall, Bollard and Path versions / Sólo para las versiones Wall, Bollard and Path .

## Mile Path 1

**Mid - Power Led**
4,9W
up to 100 lm - 2700K/CRI 80
up to 104 lm - 3000K/CRI 80
up to 108 lm - 4000K/CRI 80
2200K available on request.

## Mile Path 2

**Mid - Power Led**
7,6W
up to 172 lm - 2700K/CRI 80
up to 179 lm - 3000K/CRI 80
up to 186 lm - 4000K/CRI 80
2200K available on request.

## Mile Wall 1

Up / Down / Up&Down

**Mid - Power Led**
4,9W
283 lm - 2700K/CRI 80
294 lm - 3000K/CRI 80
305 lm - 4000K/CRI 80
2200K available on request.

**Mid - Power Led**
8,1W
2x283 lm - 2700K/CRI 80
2x294 lm - 3000K/CRI 80
2x305 lm - 4000K/CRI 80
2200K available on request.

Washer
Up / Down / Up&Down

**Mid - Power Led**
4,9W
291 lm - 2700K/CRI 80
303 lm - 3000K/CRI 80
314 lm - 4000K/CRI 80
2200K available on request.

**Mid - Power Led**
8,1W
2x291 lm - 2700K/CRI 80
2x303 lm - 3000K/CRI 80
2x314 lm - 4000K/CRI 80
2200K available on request.

## Mile Wall 2

Up / Down / Up&Down

**Mid - Power Led**
7,8W
603 lm - 2700K/CRI 80
627 lm - 3000K/CRI 80
651 lm - 4000K/CRI 80
2200K available on request.

**Mid - Power Led**
13,5W
2x603 lm - 2700K/CRI 80
2x627 lm - 3000K/CRI 80
2x651 lm - 4000K/CRI 80
2200K available on request.

Washer
Up / Down / Up&Down

**Mid - Power Led**
6,4W
453 lm - 2700K/CRI 80
471 lm - 3000K/CRI 80
489 lm - 4000K/CRI 80
2200K available on request.

**Mid - Power Led**
10,5W
2x453 lm - 2700K/CRI 80
2x471 lm - 3000K/CRI 80
2x489 lm - 4000K/CRI 80
2200K available on request.

## Mile Ceiling 1

## Mile Ceiling 2

## Mile Recessed 1

**Power Led**
11W
736 lm - 2700K/CRI 80
759 lm - 3000K/CRI 80
791 lm - 4000K/CRI 80
2200K available on request.

## Mile Recessed 2

**Power Led**
15W
1032 lm - 2700K/CRI 80
1344 lm - 3000K/CRI 80
1400 lm - 4000K/CRI 80
2200K available on request.

**Mile Bollard**
Collection of outdoor bollards with a rigorous, minimal design and LED light source that can be combined with wall versions.
Uni- or bi-directional bollard version, available in two heights and widths, based on light source and power requirements.
The rigid frame is made of extruded aluminum with no visible screws, and the base rises above the ground for a quick, simple installation. The head anchoring hardware is made of AISI 316L stainless steel.
Available in various finishes with a double layer of powder coating and chemical conversion treatment to protect it against corrosion.
The diffuser is made of transparent, UV-stabilized polycarbonate.
The asymmetric reflecting screen is made of pure, oxidized and polished aluminum, with LED source in a rear position to reduce direct glare. The downward, asymmetric light emission ensures the luminaire's compliance with existing light pollution laws.
Bollard versions may be easily installed on any flooring on the ground with anchors, or with the dedicated anchoring plate accessory to completely integrate the base of the product with the pavement.

**Mile Path**
Collection of outdoor wall luminaires with a rigorous, minimal design and LED light source that can be combined with wall and bollard versions.
Available in two sizes and various finishes with a double layer of powder coating.
Primer version to be painted after installation with regular water-based colors (tempera, stucco, water-based paints) to ensure flawless integration with the building.
The anchoring hardware is made of AISI 316L stainless steel.
Diffuser is made of transparent, UV-stabilized polycarbonate.
The asymmetric, reflecting screen is made of aluminum painted in black to reduce direct glare from reflections. It holds the LED source in a rear position. The downward, asymmetric light emission ensures the luminaire's compliance with existing light pollution laws.
Wall mounting bracket included.

**Mile Wall**
Complete family of wall luminaires with a rigorous, minimal design with LED light source, a design characterized by a die-cast aluminum trim with very low copper content and good mechanical features combined with good resistance against corrosion thanks to the surface chemical conversion treatment.
Available in two sizes and various finishes with a double layer of powder coating.
Primer version to be painted after installation with regular water-based colors (tempera, stucco, water-based paints) to ensure flawless integration with the building.
The anchoring hardware is made of AISI 316L stainless steel.
The diffuser is perfectly flush with the decorative band and is made of transparent, UV-stabilized polycarbonate.
The asymmetric, reflecting screen is made of pure, oxidized and polished aluminum, with LED source in a rear position to reduce direct glare.
Its asymmetrical optical unit is designed to ensure a wide range of lighting features and flexible use in different architectural settings. Single-emission version directing light upwards or downwards and dual-emission version available.
Each version is available in two different lighting solutions: wall-washer lighting or asymmetric lighting. For instance, by using the version with light directed upwards in porticos or entrance halls, the ceiling itself becomes a diffuser, offering absolute comfort. Dual emission version is available with both identical optical units and mixed, asymmetric + washer optical units.

**Mile Ceiling**
Outdoor ceiling-mounted lights collection, with a rigorous, minimal design and LED light source that can be combined with wall, bollard and path versions.
Available in two different sizes and various finishes with a double layer of powder coating.
Primer version to be painted after installation with regular water-based colors (tempera, stucco, water-based paints) to ensure flawless integration with the building.
The optical unit is specifically designed to ensure maximum visual comfort and direct glare reduction without compromising overall efficiency: the light source comprises rear power LEDs; its transparent polycarbonate lenses ensure a controlled and homogeneous beam of light; and the glossy black polycarbonate cone reflectors provide an extreme, sharp-angled screening, all in a small footprint.
The optical unit is available in four different beam angles, allowing a wide range of uses and flexibility in the most varied architectural settings: both in the case of intense beams and diffuse light effects, optical control is always exceptional and spurious light is totally absent.
The anchoring hardware is made of AISI 316L stainless steel.
Ceiling mounting bracket included.

**Mile Recessed**
Collection of outdoor, ceiling-mounted, recessed lights with a rigorous, minimal design and LED light source that can be combined with ceiling, wall, bollard and path versions.
Available in two different sizes and various finishes with a double layer of powder coating.
Primer version to be painted after installation with regular water-based colors (tempera, stucco, water-based paints) to ensure flawless integration with the building.
As in ceiling versions, the optical unit is specifically designed to ensure maximum visual comfort and direct glare reduction without compromising overall efficiency: the light source comprises rear power LEDs; its transparent polycarbonate lenses ensure a controlled and homogeneous beam of light; and the glossy black polycarbonate cone reflectors provide an extreme, sharp-angled screening, all in a small footprint.
The optical unit is available in four different beam angles, allowing a wide range of uses and flexibility in the most varied architectural settings: both in the case of intense beams and diffuse light effects, optical control is always exceptional and spurious light is totally absent.
The luminaire can be installed in a drop ceiling using the supplied springs. The minimal thickness of the stop frame allows a perfect, aesthetic finish of the luminaire in the ceiling.
The accessory box for installation in galvanized steel for concreting is available for brick or reinforced concrete ceilings.

**Mile Bollard**
Colección de bolardos de exterior de diseño riguroso y minimalista con fuente de luz LED, a juego con las versiones de pared.
Bolardo en versión unidireccional o bidireccional, disponible en dos alturas y dos anchuras en función de la fuente de luz y la potencia requerida, caracterizado por un riguroso marco de aluminio extruido sin tornillos visibles, con una base elevada en el suelo para una instalación más fácil y rápida. Los tornillos de fijación del cabezal son de acero inoxidable AISI 316L.
Disponible en diferentes acabados con recubrimiento de polvo de doble capa y tratamiento de conversión química para protegerlo de la corrosión.
El difusor es de policarbonato transparente estabilizado a los rayos UV.
La pantalla reflectora asimétrica está fabricada en aluminio puro, oxidado y pulido, y contiene la fuente LED en una posición posterior para reducir el deslumbramiento directo; la emisión de luz asimétrica hacia abajo hace que la luminaria respete las leyes vigentes sobre contaminación lumínica.
Las versiones Bollard pueden instalarse fácilmente en el suelo en cualquier piso con tacos o utilizando la placa de anclaje accesoria suministrada para tal efecto para que la base del producto esté totalmente integrada en el suelo.

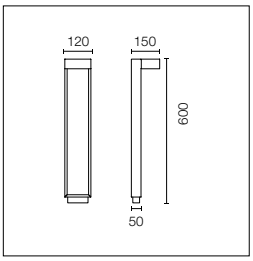
**Mile Path**
Colección de luminarias de pared para exterior con un diseño riguroso y minimalista y fuente de luz LED que pueden combinarse con las versiones de pared y bolardo.
Disponible en dos tamaños y en distintos acabados con un revestimiento de polvo de doble capa.
La versión Primer debe pintarse después de la instalación con los típicos colores a base de agua (témpera, estuco, pinturas al agua) para garantizar la máxima integración con la arquitectura.
Los tornillos de fijación son de acero inoxidable AISI 316L. El difusor es de policarbonato transparente estabilizado a los rayos UV.
La pantalla reflectora asimétrica está fabricada en aluminio pintado de negro para reducir el deslumbramiento directo de los reflejos y contiene la fuente LED en una posición posterior; la emisión de luz asimétrica dirigida hacia abajo hace que la luminaria respete las leyes vigentes sobre contaminación lumínica.
Soporte de sujeción para pared incluido.

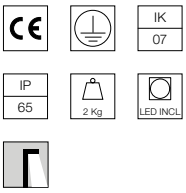
**Mile Wall**
Familia completa de luminarias de pared de diseño riguroso y minimalista con fuente de luz LED, diseño que se caracteriza por un embellecedor de aluminio fundido a presión con muy bajo contenido de cobre y buenas características mecánicas combinadas con una buena resistencia a la corrosión gracias al tratamiento de conversión química de la superficie.
Disponible en dos tamaños y en distintos acabados con un revestimiento de polvo de doble capa.
La versión Primer debe pintarse después de la instalación con los típicos colores a base de agua (témpera, estuco, pinturas al agua) para garantizar la máxima integración con la arquitectura.
Los tornillos de fijación son de acero inoxidable AISI 316L. El difusor, perfectamente coplanario con la banda decorativa, es de policarbonato transparente, estabilizado para rayos UV.
La pantalla reflectora asimétrica es de aluminio puro, oxidado y pulido, y contiene la fuente LED en una posición posterior para reducir el deslumbramiento directo.
La óptica asimétrica está diseñada para garantizar una amplia gama de prestaciones de iluminación y un uso flexible en diferentes contextos arquitectónicos. Están disponibles las versiones de emisión única con luz dirigida hacia arriba o hacia abajo y las versiones de emisión doble. Cada versión se declina en dos soluciones de iluminación diferentes: iluminación wall-washer o iluminación asimétrica, por ejemplo en caso de porches o vestíbulos, con el uso de la versión con luz dirigida hacia arriba, haciendo que el propio techo se convierta en un difusor, ofreciendo un confort absoluto. La versión de emisión doble está disponible tanto con ópticas idénticas como con ópticas mixtas asimétrica + washer.

**Mile Ceiling**
Colección de plafones de exterior de diseño riguroso y minimalista con fuente de luz LED que pueden combinarse con versiones de pared, bolardo y camino.
Disponible en dos tamaños diferentes y en distintos acabados con un revestimiento de polvo de doble capa.
La versión Primer debe pintarse después de la instalación con los típicos colores a base de agua (témpera, estuco, pinturas al agua) para garantizar la máxima integración con la arquitectura.
La unidad óptica está específicamente diseñada para garantizar el máximo confort visual y la reducción del deslumbramiento directo sin perjudicar la eficiencia: la fuente de luz está compuesta por leds de potencia posteriores, las lentes de policarbonato transparente aseguran un haz de luz controlado y homogéneo, y los reflectores cónicos de policarbonato negro brillante proporcionan un apantallamiento con ángulos de cut-off extremos, todo ello en un tamaño reducido.
La unidad óptica está disponible en cuatro ángulos de haz diferentes, lo que permite una amplia gama de uso y flexibilidad en los contextos arquitectónicos más variados: tanto en el caso de los haces intensos como de los efectos de luz difusa, el control óptico es siempre excepcional y la luz espuria está totalmente ausente.
Los tornillos de fijación son de acero inoxidable AISI 316L.
Soporte de sujeción para techo incluido.

**Mile Recessed**
Colección de plafones empotrables para exteriores con un diseño riguroso y minimalista y fuente de luz LED, que puede combinarse con versiones de techo, pared, bolardo y camino.
Disponible en dos tamaños diferentes y en distintos acabados con un revestimiento de polvo de doble capa.
La versión Primer debe pintarse después de la instalación con los típicos colores a base de agua (témpera, estuco, pinturas al agua) para garantizar la máxima integración con la arquitectura.
Como sucede en las versiones de techo, la unidad óptica está específicamente diseñada para garantizar el máximo confort visual y la reducción del deslumbramiento directo sin perjudicar la eficiencia: la fuente de luz está compuesta por leds de potencia posteriores, las lentes de policarbonato transparente aseguran un haz de luz controlado y homogéneo, y los reflectores cónicos de policarbonato negro brillante proporcionan un apantallamiento con ángulos de cut-off extremos, todo ello en un tamaño reducido.
La unidad óptica está disponible en cuatro ángulos de haz diferentes, lo que permite una amplia gama de uso y flexibilidad en los contextos arquitectónicos más variados: tanto en el caso de los haces intensos como de los efectos de luz difusa, el control óptico es siempre excepcional y la luz espuria está totalmente ausente.
La luminaria puede ser instalada en falso techo mediante los soportes de muelles. El marco de tope con grosor mínimo permite un perfecto acabado estético de la luminaria en el techo.
El encofrado en acero galvanizado para hormigonar está disponible como accesorio para techos de ladrillos u hormigón armado.

## Mile Bollard 1 600 Mono




LED light source included. Integrated 220-240V ON/OFF electrical power. Equipped with a length of neoprene cable and an IP68 2-way anti-condensation $H_2O$ stop seal system. The device may be installed on any flooring with anchors. Anchoring plate for installation on flooring laid over concrete sold separately.

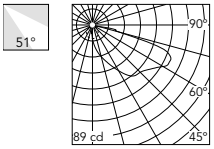
2200K available on request.

Fuente luminosa Led incluida. Alimentación eléctrica ON/OFF 220-240V integrada . Equipado con un fragmento de cable en neopreno y un sistema con junta IP68 $H_2O$ Stop anticondensación de 2 vías. El dispositivo puede instalarse en cualquier tipo de pavimento por medio de tacos. Placa de anclaje para instalaciones en pavimentación.

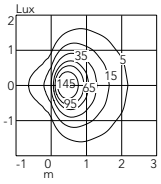
2200K disponible bajo pedido.

**Mid - Power Led:** 4,9W - 427 lm ≠ FIXT 283 lm - 2700K/CRI 80 - 220-240V / 4,9W - 445 lm ≠ FIXT 294 lm - 3000K/CRI 80 - 220-240V / 4,9W - 462 lm ≠ FIXT 305 lm - 4000K/CRI 80 - 220-240V

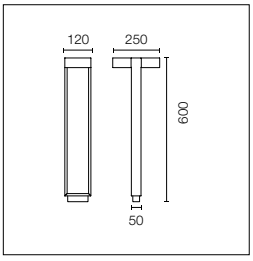
| 2700K | 3000K | 4000K |
|---|---|---|
| ○ F015G21A001 | ○ F015G31A001 | ○ F015G41A001 |
| ● F015G21A006 | ● F015G31A006 | ● F015G41A006 |
| ● F015G21A012 | ● F015G31A012 | ● F015G41A012 |
| ● F015G21A018 | ● F015G31A018 | ● F015G41A018 |
| ● F015G21A030 | ● F015G31A030 | ● F015G41A030 |
| ● F015G21A033 | ● F015G31A033 | ● F015G41A033 |

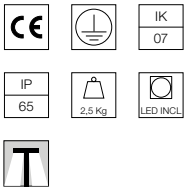



@3000K




## Mile Bollard 1 600 Double




LED light source included. Integrated 220-240V ON/OFF electrical power. Equipped with a length of neoprene cable and an IP68 2-way anti-condensation $H_2O$ stop seal system. The device may be installed on any flooring with anchors. Anchoring plate for installation on flooring laid over concrete sold separately.

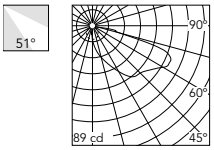
2200K available on request.

Fuente luminosa Led incluida. Alimentación eléctrica ON/OFF 220-240V integrada . Equipado con un fragmento de cable en neopreno y un sistema con junta IP68 $H_2O$ Stop anticondensación de 2 vías. El dispositivo puede instalarse en cualquier tipo de pavimento por medio de tacos. Placa de anclaje para instalaciones en pavimentación.

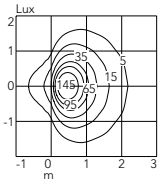
2200K disponible bajo pedido.

**Mid - Power Led:** 9,8W - 2x427 lm ≠ FIXT 2x283 lm - 2700K/CRI 80 - 220-240V / 9,8W - 2x445 lm ≠ FIXT 2x294 lm - 3000K/CRI 80 - 220-240V / 9,8W - 2x462 lm ≠ FIXT 2x305 lm - 4000K/CRI 80 - 220-240V

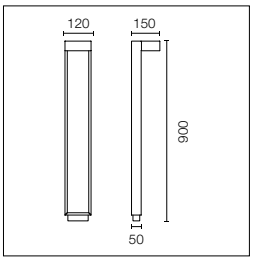
| 2700K | 3000K | 4000K |
|---|---|---|
| ○ F015G22A001 | ○ F015G32A001 | ○ F015G42A001 |
| ● F015G22A006 | ● F015G32A006 | ● F015G42A006 |
| ● F015G22A012 | ● F015G32A012 | ● F015G42A012 |
| ● F015G22A018 | ● F015G32A018 | ● F015G42A018 |
| ● F015G22A030 | ● F015G32A030 | ● F015G42A030 |
| ● F015G22A033 | ● F015G32A033 | ● F015G42A033 |

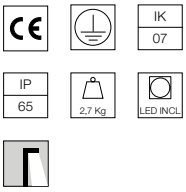



@3000K



## Mile Bollard 1 900 Mono




LED light source included. Integrated 220-240V ON/OFF electrical power. Equipped with a length of neoprene cable and an IP68 2-way anti-condensation $H_2O$ stop seal system. The device may be installed on any flooring with anchors. Anchoring plate for installation on flooring laid over concrete sold separately.

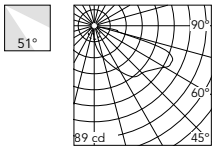
2200K available on request.

Fuente luminosa Led incluida. Alimentación eléctrica ON/OFF 220-240V integrada . Equipado con un fragmento de cable en neopreno y un sistema con junta IP68 $H_2O$ Stop anticondensación de 2 vías. El dispositivo puede instalarse en cualquier tipo de pavimento por medio de tacos. Placa de anclaje para instalaciones en pavimentación.

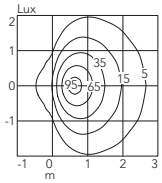
2200K disponible bajo pedido.

**Mid - Power Led:** 4,9W - 427 lm ≠ FIXT 283 lm - 2700K/CRI 80 - 220-240V / 4,9W - 445 lm ≠ FIXT 294 lm - 3000K/CRI 80 - 220-240V / 4,9W - 462 lm ≠ FIXT 305 lm - 4000K/CRI 80 - 220-240V

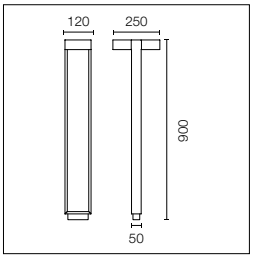
| 2700K | 3000K | 4000K |
|---|---|---|
| ○ F015H21A001 | ○ F015H31A001 | ○ F015H41A001 |
| ● F015H21A006 | ● F015H31A006 | ● F015H41A006 |
| ● F015H21A012 | ● F015H31A012 | ● F015H41A012 |
| ● F015H21A018 | ● F015H31A018 | ● F015H41A018 |
| ● F015H21A030 | ● F015H31A030 | ● F015H41A030 |
| ● F015H21A033 | ● F015H31A033 | ● F015H41A033 |

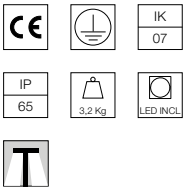



@3000K




## Mile Bollard 1 900 Double




LED light source included. Integrated 220-240V ON/OFF electrical power. Equipped with a length of neoprene cable and an IP68 2-way anti-condensation $H_2O$ stop seal system. The device may be installed on any flooring with anchors. Anchoring plate for installation on flooring laid over concrete sold separately.

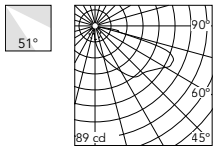
2200K available on request.

Fuente luminosa Led incluida. Alimentación eléctrica ON/OFF 220-240V integrada . Equipado con un fragmento de cable en neopreno y un sistema con junta IP68 $H_2O$ Stop anticondensación de 2 vías. El dispositivo puede instalarse en cualquier tipo de pavimento por medio de tacos. Placa de anclaje para instalaciones en pavimentación.

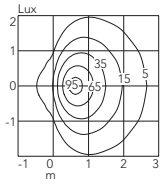
2200K disponible bajo pedido.

**Mid - Power Led:** 9,8W - 2x427 lm ≠ FIXT 2x283 lm - 2700K/CRI 80 - 220-240V / 9,8W - 2x445 lm ≠ FIXT 2x294 lm - 3000K/CRI 80 - 220-240V / 9,8W - 2x462 lm ≠ FIXT 2x305 lm - 4000K/CRI 80 - 220-240V

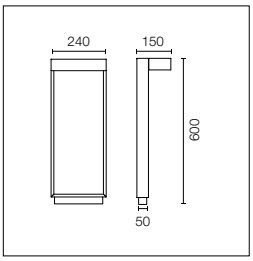
| 2700K | 3000K | 4000K |
|---|---|---|
| ○ F015H22A001 | ○ F015H32A001 | ○ F015H42A001 |
| ● F015H22A006 | ● F015H32A006 | ● F015H42A006 |
| ● F015H22A012 | ● F015H32A012 | ● F015H42A012 |
| ● F015H22A018 | ● F015H32A018 | ● F015H42A018 |
| ● F015H22A030 | ● F015H32A030 | ● F015H42A030 |
| ● F015H22A033 | ● F015H32A033 | ● F015H42A033 |

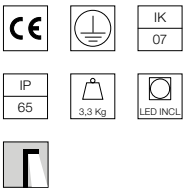



@3000K



## Mile Bollard 2 600 Mono




LED light source included. Integrated 220-240V ON/OFF electrical power. Equipped with a length of neoprene cable and an IP68 2-way anti-condensation $H_2O$ stop seal system. The device may be installed on any flooring with anchors. Anchoring plate for installation on flooring laid over concrete sold separately.

2200K available on request.

Fuente luminosa Led incluida. Alimentación eléctrica ON/OFF 220-240V integrada . Equipado con un fragmento de cable en neopreno y un sistema con junta IP68 $H_2O$ Stop anticondensación de 2 vías. El dispositivo puede instalarse en cualquier tipo de pavimento por medio de tacos. Placa de anclaje para instalaciones en pavimentación.

2200K disponible bajo pedido.

**Mid - Power Led:** 7,8W - 838 lm ≠ FIXT 603 lm - 2700K/CRI 80 - 220-240V / 7,8W - 872 lm ≠ FIXT 627 lm - 3000K/CRI 80 - 220-240V / 7,8W - 905 lm ≠ FIXT 651 lm - 4000K/CRI 80 - 220-240V

**2700K**

Non Dimmable
- ○ F015J21A001
- ● F015J21A006
- ● F015J21A012
- ● F015J21A018
- ● F015J21A030
- ● F015J21A033

1-10V
- ○ F015J21B001
- ● F015J21B006
- ● F015J21B012
- ● F015J21B018
- ● F015J21B030
- ● F015J21B033

Dali
- ○ F015J21D001
- ● F015J21D006
- ● F015J21D012
- ● F015J21D018
- ● F015J21D030
- ● F015J21D033

**3000K**

Non Dimmable
- ○ F015J31A001
- ● F015J31A006
- ● F015J31A012
- ● F015J31A018
- ● F015J31A030
- ● F015J31A033

1-10V
- ○ F015J31B001
- ● F015J31B006
- ● F015J31B012
- ● F015J31B018
- ● F015J31B030
- ● F015J31B033

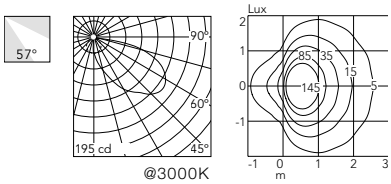
Dali
- ○ F015J31D001
- ● F015J31D006
- ● F015J31D012
- ● F015J31D018
- ● F015J31D030
- ● F015J31D033

**4000K**

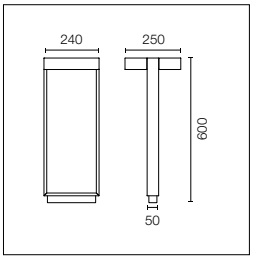
Non Dimmable
- ○ F015J41A001
- ● F015J41A006
- ● F015J41A012
- ● F015J41A018
- ● F015J41A030
- ● F015J41A033

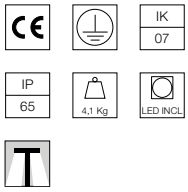
1-10V
- ○ F015J41B001
- ● F015J41B006
- ● F015J41B012
- ● F015J41B018
- ● F015J41B030
- ● F015J41B033

Dali
- ○ F015J41D001
- ● F015J41D006
- ● F015J41D012
- ● F015J41D018
- ● F015J41D030
- ● F015J41D033



## Mile Bollard 2 600 Double




LED light source included. Integrated 220-240V ON/OFF electrical power. Equipped with a length of neoprene cable and an IP68 2-way anti-condensation $H_2O$ stop seal system. The device may be installed on any flooring with anchors. Anchoring plate for installation on flooring laid over concrete sold separately.

2200K available on request.

Fuente luminosa Led incluida. Alimentación eléctrica ON/OFF 220-240V integrada . Equipado con un fragmento de cable en neopreno y un sistema con junta IP68 $H_2O$ Stop anticondensación de 2 vías. El dispositivo puede instalarse en cualquier tipo de pavimento por medio de tacos. Placa de anclaje para instalaciones en pavimentación.

2200K disponible bajo pedido.

**Mid - Power Led:** 15,6W - 2x838 lm ≠ FIXT 2x603 lm - 2700K/CRI 80 - 220-240V / 15,6W - 2x872 lm ≠ FIXT 2x627 lm - 3000K/CRI 80 - 220-240V / 15,6W - 2x905 lm ≠ FIXT 2x651 lm - 4000K/CRI 80 - 220-240V

**2700K**

Non Dimmable
- ○ F015J22A001
- ● F015J22A006
- ● F015J22A012
- ● F015J22A018
- ● F015J22A030
- ● F015J22A033

1-10V
- ○ F015J22B001
- ● F015J22B006
- ● F015J22B012
- ● F015J22B018
- ● F015J22B030
- ● F015J22B033

Dali
- ○ F015J22D001
- ● F015J22D006
- ● F015J22D012
- ● F015J22D018
- ● F015J22D030
- ● F015J22D033

**3000K**

Non Dimmable
- ○ F015J32A001
- ● F015J32A006
- ● F015J32A012
- ● F015J32A018
- ● F015J32A030
- ● F015J32A033

1-10V
- ○ F015J32B001
- ● F015J32B006
- ● F015J32B012
- ● F015J32B018
- ● F015J32B030
- ● F015J32B033

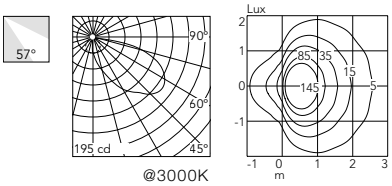
Dali
- ○ F015J32D001
- ● F015J32D006
- ● F015J32D012
- ● F015J32D018
- ● F015J32D030
- ● F015J32D033

**4000K**

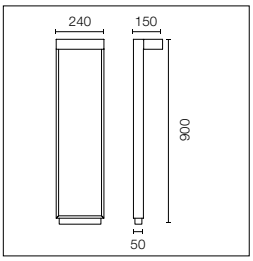
Non Dimmable
- ○ F015J42A001
- ● F015J42A006
- ● F015J42A012
- ● F015J42A018
- ● F015J42A030
- ● F015J42A033

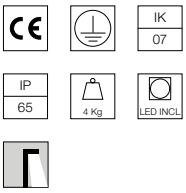
1-10V
- ○ F015J42B001
- ● F015J42B006
- ● F015J42B012
- ● F015J42B018
- ● F015J42B030
- ● F015J42B033

Dali
- ○ F015J42D001
- ● F015J42D006
- ● F015J42D012
- ● F015J42D018
- ● F015J42D030
- ● F015J42D033



## Mile Bollard 2 900 Mono




LED light source included. Integrated 220–240V ON/OFF and 1-10V or DALI dimmable electrical power. Equipped with a length of neoprene cable and an IP68 2-way anti-condensation $H_2O$ stop seal system. The device may be installed on any flooring with anchors. Anchoring plate for installation on flooring laid over concrete sold separately.

2200K available on request.

Fuente luminosa Led incluida. Alimentación eléctrica ON/OFF 220-240V y dimmarabile 1-10V o DALI integrada . Equipado con un fragmento de cable en neopreno y un sistema con junta IP68 $H_2O$ Stop anticondensación de 2 vías. El dispositivo puede instalarse en cualquier tipo de pavimento por medio de tacos. Placa de anclaje para instalaciones en pavimentación.

2200K disponible bajo pedido.

**Mid - Power Led:** 7,8W - 838 lm ≠ FIXT 603 lm - 2700K/CRI 80 - 220-240V / 7,8W - 872 lm ≠ FIXT 627 lm - 3000K/CRI 80 - 220-240V / 7,8W - 905 lm ≠ FIXT 651 lm - 4000K/CRI 80 - 220-240V

**2700K**

Non Dimmable
- ○ F015K21A001
- ● F015K21A006
- ● F015K21A012
- ● F015K21A018
- ● F015K21A030
- ● F015K21A033

1-10V
- ○ F015K21B001
- ● F015K21B006
- ● F015K21B012
- ● F015K21B018
- ● F015K21B030
- ● F015K21B033

Dali
- ○ F015K21D001
- ● F015K21D006
- ● F015K21D012
- ● F015K21D018
- ● F015K21D030
- ● F015K21D033

**3000K**

Non Dimmable
- ○ F015K31A001
- ● F015K31A006
- ● F015K31A012
- ● F015K31A018
- ● F015K31A030
- ● F015K31A033

1-10V
- ○ F015K31B001
- ● F015K31B006
- ● F015K31B012
- ● F015K31B018
- ● F015K31B030
- ● F015K31B033

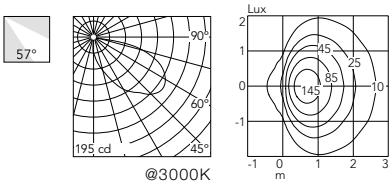
Dali
- ○ F015K31D001
- ● F015K31D006
- ● F015K31D012
- ● F015K31D018
- ● F015K31D030
- ● F015K31D033

**4000K**

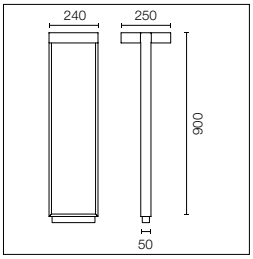
Non Dimmable
- ○ F015K41A001
- ● F015K41A006
- ● F015K41A012
- ● F015K41A018
- ● F015K41A030
- ● F015K41A033

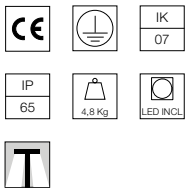
1-10V
- ○ F015K41B001
- ● F015K41B006
- ● F015K41B012
- ● F015K41B018
- ● F015K41B030
- ● F015K41B033

Dali
- ○ F015K41D001
- ● F015K41D006
- ● F015K41D012
- ● F015K41D018
- ● F015K41D030
- ● F015K41D033



## Mile Bollard 2 900 Double




LED light source included. Integrated 220-240V ON/OFF electrical power. Equipped with a length of neoprene cable and an IP68 2-way anti-condensation $H_2O$ stop seal system. The device may be installed on any flooring with anchors. Anchoring plate for installation on flooring laid over concrete sold separately.

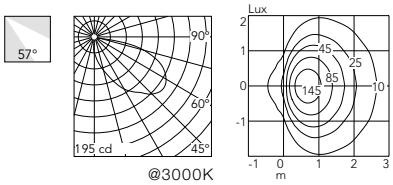
2200K available on request.

Fuente luminosa Led incluida. Alimentación eléctrica ON/OFF 220-240V y dimmarabile 1-10V o DALI integrada . Equipado con un fragmento de cable en neopreno y un sistema con junta IP68 $H_2O$ Stop anticondensación de 2 vías. El dispositivo puede instalarse en cualquier tipo de pavimento por medio de tacos. Placa de anclaje para instalaciones en pavimentación.

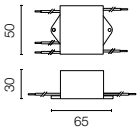
2200K disponible bajo pedido.

**Mid - Power Led:** 15,6W - 2x838 lm ≠ FIXT 2x603 lm - 2700K/CRI 80 - 220-240V / 15,6W - 2x872 lm ≠ FIXT 2x627 lm - 3000K/CRI 80 - 220-240V / 15,6W - 2x905 lm ≠ FIXT 2x651 lm - 4000K/CRI 80 - 220-240V

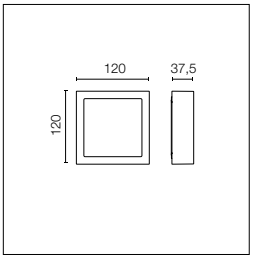
| 2700K | 3000K | 4000K |
|---|---|---|
| Non Dimmable | Non Dimmable | Non Dimmable |
| ○ F015K22A001 | ○ F015K32A001 | ○ F015K42A001 |
| ● F015K22A006 | ● F015K32A006 | ● F015K42A006 |
| ● F015K22A012 | ● F015K32A012 | ● F015K42A012 |
| ● F015K22A018 | ● F015K32A018 | ● F015K42A018 |
| ● F015K22A030 | ● F015K32A030 | ● F015K42A030 |
| ● F015K22A033 | ● F015K32A033 | ● F015K42A033 |
| 1-10V | 1-10V | 1-10V |
| ○ F015K22B001 | ○ F015K32B001 | ○ F015K42B001 |
| ● F015K22B006 | ● F015K32B006 | ● F015K42B006 |
| ● F015K22B012 | ● F015K32B012 | ● F015K42B012 |
| ● F015K22B018 | ● F015K32B018 | ● F015K42B018 |
| ● F015K22B030 | ● F015K32B030 | ● F015K42B030 |
| ● F015K22B033 | ● F015K32B033 | ● F015K42B033 |
| Dali | Dali | Dali |
| ○ F015K22D001 | ○ F015K32D001 | ○ F015K42D001 |
| ● F015K22D006 | ● F015K32D006 | ● F015K42D006 |
| ● F015K22D012 | ● F015K32D012 | ● F015K42D012 |
| ● F015K22D018 | ● F015K32D018 | ● F015K42D018 |
| ● F015K22D030 | ● F015K32D030 | ● F015K42D030 |
| ● F015K22D033 | ● F015K32D033 | ● F015K42D033 |




## Mile Bollard: Accessories / Accesorios

| | | | |
|---|---|---|---|
| Base plate with bolt. | Placa con tirafondos. | Bollard 1<br>F015Z000000 | |
| Base plate with bolt. | Placa con tirafondos. | Bollard 2<br>F015Z010000 | |
| Surge protection device. 275Vac. Maximum discharge current 10KA (8/20us). Maximum operating current 5A. Suitable for series connection. IP66. | Dispositivo de protección contra sobrecargas. 275 Vac. Corriente de descarga máxima 10KA (8/20us). Corriente máxima de funcionamiento 5A. Apta para conexión en serie. IP66. | F990E00A000 |   |

## Mile Path 1




IK 10

IP 66

0,5 Kg

LED INCL

LED light source included. Integrated 220–240 V ON/OFF electrical power.
Equipped with double cable gland for inlet and outlet connection. Fixing bracket included.

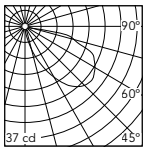
2200K available on request.

Fuente luminosa Led incluida. Alimentación eléctrica ON/OFF 220-240V integrada . Equipado con doble prensacable para conexiones de entrada-salida.

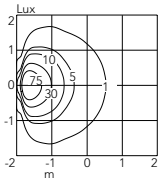
2200K disponible bajo pedido.

**Mid - Power Led:** 4,9W - 422 lm ≠ FIXT 100 lm - 2700K/CRI>80 - 220-240V / 4,9W - 439 lm ≠ FIXT 104 lm - 3000K/CRI>80 - 220-240V / 4,9W - 456 lm ≠ FIXT 108 lm - 4000/CRI>80 - 220-240V

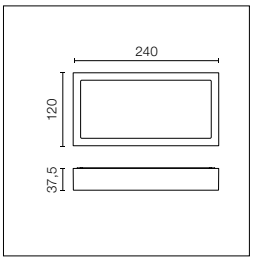
| 2700K | 3000K | 4000K |
|---|---|---|
| ○ F015L20A000 | ○ F015L30A000 | ○ F015L40A000 |
| ○ F015L20A001 | ○ F015L30A001 | ○ F015L40A001 |
| ● F015L20A006 | ● F015L30A006 | ● F015L40A006 |
| ● F015L20A012 | ● F015L30A012 | ● F015L40A012 |
| ● F015L20A018 | ● F015L30A018 | ● F015L40A018 |
| ● F015L20A030 | ● F015L30A030 | ● F015L40A030 |
| ● F015L20A033 | ● F015L30A033 | ● F015L40A033 |

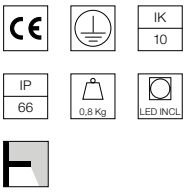



@3000K




* Preliminary technical specs and photometries. / Datos técnicos y fotometrías preliminares.




LED light source included. Integrated 220-240V ON/OFF and 1-10V/DALI dimmable electrical power.
Equipped with a cable gland for safety connection with IP tightness. Fixing bracket included.

2200K available on request.

Fuente de luz LED incluida. Alimentación eléctrica integrada 220-240V ON/OFF y regulable 1-10V y DALI. Equipado con pasacables para una conexión de seguridad con hermeticidad IP. Soporte de sujeción incluido.

2200K disponible bajo pedido.

**Mid - Power Led:** 7,6W - 818 lm≠ FIXT 172 lm - 2700K/CRI>80 - 220-240V / 7,6W - 850 lm ≠ FIXT 179 lm - 3000K/CRI>80 - 220-240V / 7,6W - 883 lm ≠ FIXT 186 lm - 4000/CRI>80 - 220-240V

**2700K**

Non Dimmable
- ○ F015M20A000
- ○ F015M20A001
- ● F015M20A006
- ● F015M20A012
- ● F015M20A018
- ● F015M20A030
- ● F015M20A033

1-10V
- ○ F015M20B000
- ○ F015M20B001
- ● F015M20B006
- ● F015M20B012
- ● F015M20B018
- ● F015M20B030
- ● F015M20B033

Dali
- ○ F015M20D000
- ○ F015M20D001
- ● F015M20D006
- ● F015M20D012
- ● F015M20D018
- ● F015M20D030
- ● F015M20D033

**3000K**

Non Dimmable
- ○ F015M30A000
- ○ F015M30A001
- ● F015M30A006
- ● F015M30A012
- ● F015M30A018
- ● F015M30A030
- ● F015M30A033

1-10V
- ○ F015M30B000
- ○ F015M30B001
- ● F015M30B006
- ● F015M30B012
- ● F015M30B018
- ● F015M30B030
- ● F015M30B033

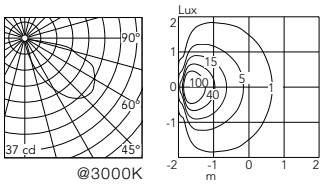
Dali
- ○ F015M30D000
- ○ F015M30D001
- ● F015M30D006
- ● F015M30D012
- ● F015M30D018
- ● F015M30D030
- ● F015M30D033

**4000K**

Non Dimmable
- ○ F015M40A000
- ○ F015M40A001
- ● F015M40A006
- ● F015M40A012
- ● F015M40A018
- ● F015M40A030
- ● F015M40A033

1-10V
- ○ F015M40B000
- ○ F015M40B001
- ● F015M40B006
- ● F015M40B012
- ● F015M40B018
- ● F015M40B030
- ● F015M40B033

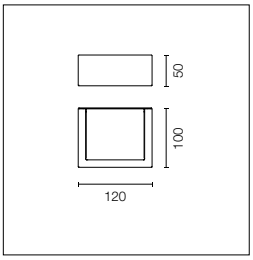
Dali
- ○ F015M40D000
- ○ F015M40D001
- ● F015M40D006
- ● F015M40D012
- ● F015M40D018
- ● F015M40D030
- ● F015M40D033



@3000K

* Preliminary technical specs and photometries. / Datos técnicos y fotometrías preliminares.

## Mile Wall 1 Asymmetric Up




IP 65 | 0,5 Kg | IK 07 | LED INCL

LED light source included. Integrated 220-240V ON/OFF electrical power. Equipped with double cable gland for electrical connection.

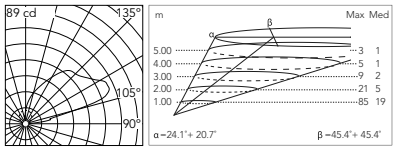
2200K available on request.

Fuente luminosa Led incluida. Alimentación eléctrica ON/OFF 220-240V integrada . Equipado con doble prensacable para conexiones de entrada-salida.

2200K disponible bajo pedido.

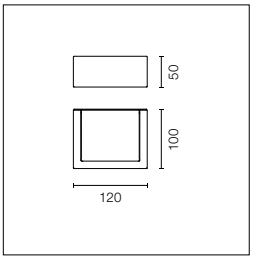
**Mid - Power Led:** 4,9W - 427 lm ≠ FIXT 283 lm - 2700K/CRI 80 - 220-240V / 4,9W - 445 lm ≠ FIXT 294 lm - 3000K/CRI 80 - 220-240V / 4,9W - 462 lm ≠ FIXT 305 lm - 4000K/CRI 80 - 220-240V

| 2700K | 3000K | 4000K |
|---|---|---|
| F015A21A000 | F015A31A000 | F015A41A000 |
| F015A21A001 | F015A31A001 | F015A41A001 |
| F015A21A006 | F015A31A006 | F015A41A006 |
| F015A21A012 | F015A31A012 | F015A41A012 |
| F015A21A018 | F015A31A018 | F015A41A018 |
| F015A21A030 | F015A31A030 | F015A41A030 |
| F015A21A033 | F015A31A033 | F015A41A033 |




@3000K

## Mile Wall 1 Asymmetric Down




IP 65 | 0,5 Kg | IK 07 | LED INCL

LED light source included. Integrated 220-240V ON/OFF electrical power. Equipped with double cable gland for electrical connection.

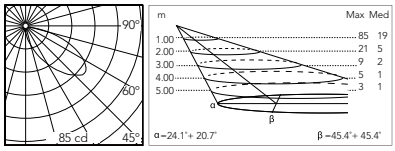
2200K available on request.

Fuente luminosa Led incluida. Alimentación eléctrica ON/OFF 220-240V integrada . Equipado con doble prensacable para conexiones de entrada-salida.

2200K disponible bajo pedido.

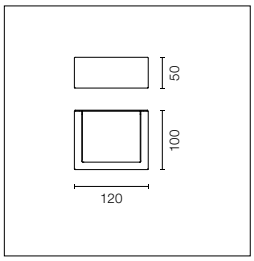
**Mid - Power Led:** 4,9W - 427 lm ≠ FIXT 283 lm - 2700K/CRI 80 - 220-240V / 4,9W - 445 lm ≠ FIXT 294 lm - 3000K/CRI 80 - 220-240V / 4,9W - 462 lm ≠ FIXT 305 lm - 4000K/CRI 80 - 220-240V

| 2700K | 3000K | 4000K |
|---|---|---|
| F015A22A000 | F015A32A000 | F015A42A000 |
| F015A22A001 | F015A32A001 | F015A42A001 |
| F015A22A006 | F015A32A006 | F015A42A006 |
| F015A22A012 | F015A32A012 | F015A42A012 |
| F015A22A018 | F015A32A018 | F015A42A018 |
| F015A22A030 | F015A32A030 | F015A42A030 |
| F015A22A033 | F015A32A033 | F015A42A033 |




@3000K

## Mile Wall 1 Washer Up




IK 07 · IP 65 · 0,5 Kg · LED INCL

LED light source included. Integrated 220-240V ON/OFF electrical power. Equipped with double cable gland for electrical connection.

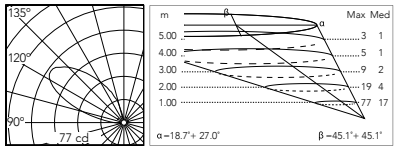
2200K available on request.

Fuente luminosa Led incluida. Alimentación eléctrica ON/OFF 220-240V integrada . Equipado con doble prensacable para conexiones de entrada-salida.

2200K disponible bajo pedido.

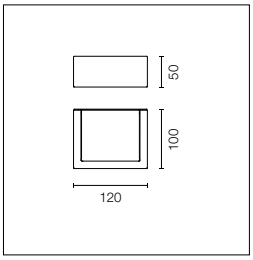
**Mid - Power Led:** 4,9W - 427 lm ≠ FIXT 291 lm - 2700K/CRI 80 - 220-240V / 4,9W - 445 lm ≠ FIXT 303 lm - 3000K/CRI 80 - 220-240V / 4,9W - 462 lm ≠ FIXT 314 lm - 4000K/CRI 80 - 220-240V

| 2700K | 3000K | 4000K |
|---|---|---|
| ○ F015B21A000 | ○ F015B31A000 | ○ F015B41A000 |
| ○ F015B21A001 | ○ F015B31A001 | ○ F015B41A001 |
| ● F015B21A006 | ● F015B31A006 | ● F015B41A006 |
| ● F015B21A012 | ● F015B31A012 | ● F015B41A012 |
| ● F015B21A018 | ● F015B31A018 | ● F015B41A018 |
| ● F015B21A030 | ● F015B31A030 | ● F015B41A030 |
| ● F015B21A033 | ● F015B31A033 | ● F015B41A033 |




@3000K

## Mile Wall 1 Washer Down




IK 07 · IP 65 · 0,5 Kg · LED INCL

LED light source included. Integrated 220-240V ON/OFF electrical power. Equipped with double cable gland for electrical connection.

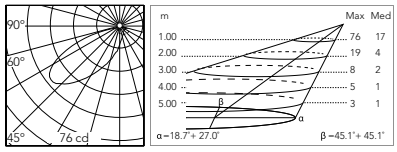
2200K available on request.

Fuente luminosa Led incluida. Alimentación eléctrica ON/OFF 220-240V integrada . Equipado con doble prensacable para conexiones de entrada-salida.

2200K disponible bajo pedido.

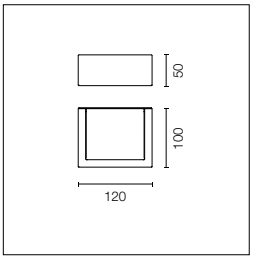
**Mid - Power Led:** 4,9W - 427 lm ≠ FIXT 291 lm - 2700K/CRI 80 - 220-240V / 4,9W - 445 lm ≠ FIXT 303 lm - 3000K/CRI 80 - 220-240V / 4,9W - 462 lm ≠ FIXT 314 lm - 4000K/CRI 80 - 220-240V

| 2700K | 3000K | 4000K |
|---|---|---|
| ○ F015B22A000 | ○ F015B32A000 | ○ F015B42A000 |
| ○ F015B22A001 | ○ F015B32A001 | ○ F015B42A001 |
| ● F015B22A006 | ● F015B32A006 | ● F015B42A006 |
| ● F015B22A012 | ● F015B32A012 | ● F015B42A012 |
| ● F015B22A018 | ● F015B32A018 | ● F015B42A018 |
| ● F015B22A030 | ● F015B32A030 | ● F015B42A030 |
| ● F015B22A033 | ● F015B32A033 | ● F015B42A033 |




@3000K

## Mile Wall 1 Asymmetric Up & Down




IK 07

IP 65

0,5 Kg

LED INCL

LED light source included. Integrated 220-240V ON/OFF electrical power. Equipped with double cable gland for electrical connection.

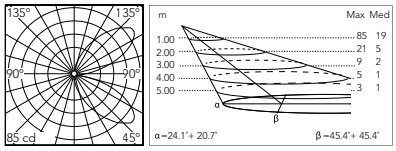
2200K available on request.

Fuente luminosa Led incluida. Alimentación eléctrica ON/OFF 220-240V integrada . Equipado con doble prensacable para conexiones de entrada-salida.

2200K disponible bajo pedido.

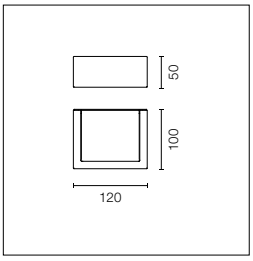
**Mid - Power Led:** 8,1W - 2x427 lm ≠ FIXT 2x291 lm - 2700K/CRI 80 - 220-240V / 8,1W - 2x445 lm ≠ FIXT 2x303 lm - 3000K/CRI 80 - 220-240V / 8,1W - 2x462 lm ≠ FIXT 2x314 lm - 4000K/CRI 80 - 220-240V

| 2700K | 3000K | 4000K |
|---|---|---|
| F015A23A000 | F015A33A000 | F015A43A000 |
| F015A23A001 | F015A33A001 | F015A43A001 |
| F015A23A006 | F015A33A006 | F015A43A006 |
| F015A23A012 | F015A33A012 | F015A43A012 |
| F015A23A018 | F015A33A018 | F015A43A018 |
| F015A23A030 | F015A33A030 | F015A43A030 |
| F015A23A033 | F015A33A033 | F015A43A033 |




@3000K

## Mile Wall 1 Washer Up & Down




IK 07

IP 65

0,5 Kg

LED INCL

LED light source included. Integrated 220-240V ON/OFF electrical power. Equipped with double cable gland for electrical connection.

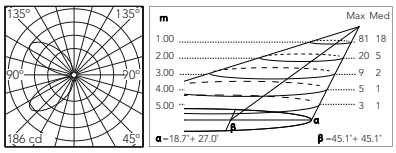
2200K available on request.

Fuente luminosa Led incluida. Alimentación eléctrica ON/OFF 220-240V integrada . Equipado con doble prensacable para conexiones de entrada-salida.

2200K disponible bajo pedido.

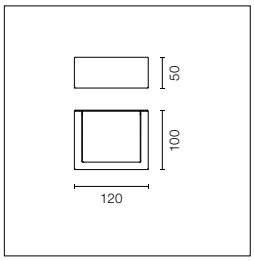
**Mid - Power Led:** 8,1W - 2x427 lm ≠ FIXT 2x291 lm - 2700K/CRI 80 - 220-240V / 8,1W - 2x445 lm ≠ FIXT 2x303 lm - 3000K/CRI 80 - 220-240V / 8,1W - 2x462 lm ≠ FIXT 2x314 lm - 4000K/CRI 80 - 220-240V

| 2700K | 3000K | 4000K |
|---|---|---|
| F015B23A000 | F015B33A000 | F015B43A000 |
| F015B23A001 | F015B33A001 | F015B43A001 |
| F015B23A006 | F015B33A006 | F015B43A006 |
| F015B23A012 | F015B33A012 | F015B43A012 |
| F015B23A018 | F015B33A018 | F015B43A018 |
| F015B23A030 | F015B33A030 | F015B43A030 |
| F015B23A033 | F015B33A033 | F015B43A033 |




@3000K

## Mile Wall 1 Washer Down + Asymmetric Up




IK 07 | IP 65 | 0,5 Kg | LED INCL

LED light source included. Integrated 220-240V ON/OFF electrical power. Equipped with double cable gland for electrical connection.

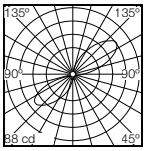
2200K available on request.

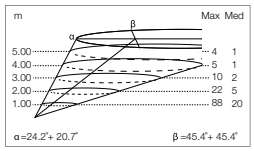
Fuente luminosa Led incluida. Alimentación eléctrica ON/OFF 220-240V integrada . Equipado con doble prensacable para conexiones de entrada-salida.

2200K disponible bajo pedido.

**Mid - Power Led:** 8,1W - 2x427 lm ≠ FIXT 291+283 lm - 2700K/CRI 80 - 220-240V / 8,1W - 2x445 lm ≠ FIXT 303+294 lm - 3000K/CRI 80 - 220-240V / 8,1W - 2x462 lm ≠ FIXT 314+305 lm - 4000K/CRI 80 - 220-240V

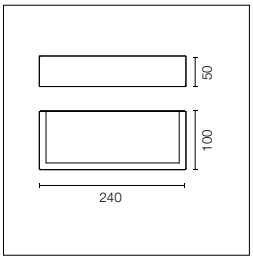
| 2700K | 3000K | 4000K |
|---|---|---|
| F015C24A000 | F015C34A000 | F015C44A000 |
| F015C24A001 | F015C34A001 | F015C44A001 |
| F015C24A006 | F015C34A006 | F015C44A006 |
| F015C24A012 | F015C34A012 | F015C44A012 |
| F015C24A018 | F015C34A018 | F015C44A018 |
| F015C24A030 | F015C34A030 | F015C44A030 |
| F015C24A033 | F015C34A033 | F015C44A033 |




@3000K

## Mile Wall 2 Asymmetric Up




IK 07 | IP 65 | 0,8 Kg | LED INCL

LED light source included. Integrated 220-240V ON/OFF and 1-10V or DALI dimmable electrical power.Equipped with double cable gland for electrical connection.

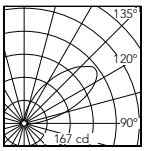
2200K available on request.

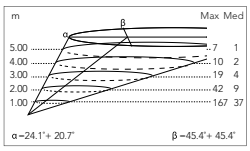
Fuente luminosa Led incluida. Alimentazione elettrica 220-240V ON/OFF e dimmarabile 1-10V o DALI integrata. Equipado con doble prensacable para conexiones de entrada-salida.

2200K disponible bajo pedido.

**Mid - Power Led:** 7,8W - 838 lm ≠ FIXT 603 lm - 2700K/CRI 80 - 220-240V / 7,8W - 872 lm ≠ FIXT 627 lm - 3000K/CRI 80 - 220-240V / 7,8W - 905 lm ≠ FIXT 651 lm - 4000K/CRI 80 - 220-240V

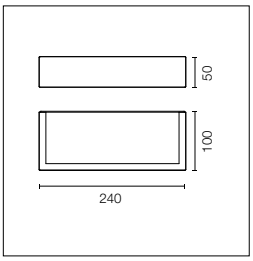
| 2700K | 3000K | 4000K |
|---|---|---|
| Non Dimmable | Non Dimmable | Non Dimmable |
| F015D21A000 | F015D31A000 | F015D41A000 |
| F015D21A001 | F015D31A001 | F015D41A001 |
| F015D21A006 | F015D31A006 | F015D41A006 |
| F015D21A012 | F015D31A012 | F015D41A012 |
| F015D21A018 | F015D31A018 | F015D41A018 |
| F015D21A030 | F015D31A030 | F015D41A030 |
| F015D21A033 | F015D31A033 | F015D41A033 |
| 1-10V | 1-10V | 1-10V |
| F015D21B000 | F015D31B000 | F015D41B000 |
| F015D21B001 | F015D31B001 | F015D41B001 |
| F015D21B006 | F015D31B006 | F015D41B006 |
| F015D21B012 | F015D31B012 | F015D41B012 |
| F015D21B018 | F015D31B018 | F015D41B018 |
| F015D21B030 | F015D31B030 | F015D41B030 |
| F015D21B033 | F015D31B033 | F015D41B033 |
| Dali | Dali | Dali |
| F015D21D000 | F015D31D000 | F015D41D000 |
| F015D21D001 | F015D31D001 | F015D41D001 |
| F015D21D006 | F015D31D006 | F015D41D006 |
| F015D21D012 | F015D31D012 | F015D41D012 |
| F015D21D018 | F015D31D018 | F015D41D018 |
| F015D21D030 | F015D31D030 | F015D41D030 |
| F015D21D033 | F015D31D033 | F015D41D033 |




@3000K

## Mile Wall 2 Asymmetric Down




IP 65 · 0,8 Kg · IK 07 · LED INCL

LED light source included. Integrated 220-240V ON/OFF and 1-10V or DALI dimmable electrical power.Equipped with double cable gland for electrical connection.

2200K available on request.

Fuente luminosa Led incluida. Alimentazione elettrica 220-240V ON/OFF e dimmarabile 1-10V o DALI integrata. Equipado con doble prensacable para conexiones de entrada-salida.

2200K disponible bajo pedido.

**Mid - Power Led:** 7,8W - 838 lm ≠ FIXT 603 lm - 2700K/CRI 80 - 220-240V / 7,8W - 872 lm ≠ FIXT 627 lm - 3000K/CRI 80 - 220-240V / 7,8W - 905 lm ≠ FIXT 651 lm - 4000K/CRI 80 - 220-240V

**2700K**

Non Dimmable
- ○ F015D22A000
- ○ F015D22A001
- ● F015D22A006
- ● F015D22A012
- ● F015D22A018
- ● F015D22A030
- ● F015D22A033

1-10V
- ○ F015D22B000
- ○ F015D22B001
- ● F015D22B006
- ● F015D22B012
- ● F015D22B018
- ● F015D22B030
- ● F015D22B033

Dali
- ○ F015D22D000
- ○ F015D22D001
- ● F015D22D006
- ● F015D22D012
- ● F015D22D018
- ● F015D22D030
- ● F015D22D033

**3000K**

Non Dimmable
- ○ F015D32A000
- ○ F015D32A001
- ● F015D32A006
- ● F015D32A012
- ● F015D32A018
- ● F015D32A030
- ● F015D32A033

1-10V
- ○ F015D32B000
- ○ F015D32B001
- ● F015D32B006
- ● F015D32B012
- ● F015D32B018
- ● F015D32B030
- ● F015D32B033

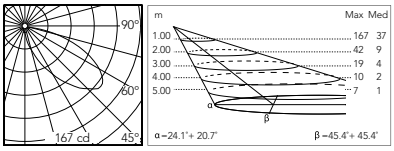
Dali
- ○ F015D32D000
- ○ F015D32D001
- ● F015D32D006
- ● F015D32D012
- ● F015D32D018
- ● F015D32D030
- ● F015D32D033

**4000K**

Non Dimmable
- ○ F015D42A000
- ○ F015D42A001
- ● F015D42A006
- ● F015D42A012
- ● F015D42A018
- ● F015D42A030
- ● F015D42A033

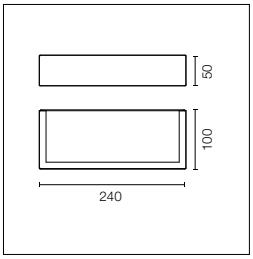
1-10V
- ○ F015D42B000
- ○ F015D42B001
- ● F015D42B006
- ● F015D42B012
- ● F015D42B018
- ● F015D42B030
- ● F015D42B033

Dali
- ○ F015D42D000
- ○ F015D42D001
- ● F015D42D006
- ● F015D42D012
- ● F015D42D018
- ● F015D42D030
- ● F015D42D033




@3000K

## Mile Wall 2 Washer Up




IP 65 | 0,8 Kg | IK 07 | LED INCL

LED light source included. Integrated 220-240V ON/OFF and 1-10V or DALI dimmable electrical power.Equipped with double cable gland for electrical connection.

2200K available on request.

Fuente luminosa Led incluida. Alimentazione elettrica 220-240V ON/OFF e dimmarabile 1-10V o DALI integrata. Equipado con doble prensacable para conexiones de entrada-salida.

2200K disponible bajo pedido.

**Mid - Power Led:** 6,4W - 661 lm ≠ FIXT 453 lm - 2700K/CRI 80 - 220-240V / 6,4W - 714 lm ≠ FIXT 471 lm - 3000K/CRI 80 - 220-240V / 6,4W - 714 lm ≠ FIXT 489 lm - 4000K/CRI 80 - 220-240V

**2700K**

Non Dimmable
- ○ F015E21A000
- ○ F015E21A001
- ● F015E21A006
- ● F015E21A012
- ● F015E21A018
- ● F015E21A030
- ● F015E21A033

1-10V
- ○ F015E21B000
- ○ F015E21B001
- ● F015E21B006
- ● F015E21B012
- ● F015E21B018
- ● F015E21B030
- ● F015E21B033

Dali
- ○ F015E21D000
- ○ F015E21D001
- ● F015E21D006
- ● F015E21D012
- ● F015E21D018
- ● F015E21D030
- ● F015E21D033

**3000K**

Non Dimmable
- ○ F015E31A000
- ○ F015E31A001
- ● F015E31A006
- ● F015E31A012
- ● F015E31A018
- ● F015E31A030
- ● F015E31A033

1-10V
- ○ F015E31B000
- ○ F015E31B001
- ● F015E31B006
- ● F015E31B012
- ● F015E31B018
- ● F015E31B030
- ● F015E31B033

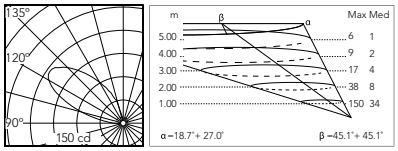
Dali
- ○ F015E31D000
- ○ F015E31D001
- ● F015E31D006
- ● F015E31D012
- ● F015E31D018
- ● F015E31D030
- ● F015E31D033

**4000K**

Non Dimmable
- ○ F015E41A000
- ○ F015E41A001
- ● F015E41A006
- ● F015E41A012
- ● F015E41A018
- ● F015E41A030
- ● F015E41A033

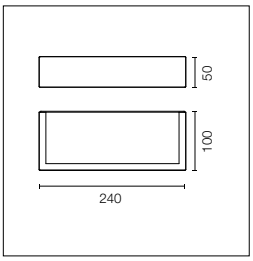
1-10V
- ○ F015E41B000
- ○ F015E41B001
- ● F015E41B006
- ● F015E41B012
- ● F015E41B018
- ● F015E41B030
- ● F015E41B033

Dali
- ○ F015E41D000
- ○ F015E41D001
- ● F015E41D006
- ● F015E41D012
- ● F015E41D018
- ● F015E41D030
- ● F015E41D033




@3000K

## Mile Wall 2 Washer Down




IP 65 | 0,8 Kg | IK 07 | LED INCL

LED light source included. Integrated 220-240V ON/OFF and 1-10V or DALI dimmable electrical power.Equipped with double cable gland for electrical connection.

2200K available on request.

Fuente luminosa Led incluida. Alimentazione elettrica 220-240V ON/OFF e dimmarabile 1-10V o DALI integrata. Equipado con doble prensacable para conexiones de entrada-salida.

2200K disponible bajo pedido.

**Mid - Power Led:** 6,4W - 661 lm ≠ FIXT 453 lm - 2700K/CRI 80 - 220-240V / 6,4W - 714 lm ≠ FIXT 471 lm - 3000K/CRI 80 - 220-240V / 6,4W - 714 lm ≠ FIXT 489 lm - 4000K/CRI 80 - 220-240V

**2700K**

Non Dimmable
- ○ F015E22A000
- ○ F015E22A001
- ● F015E22A006
- ● F015E22A012
- ● F015E22A018
- ● F015E22A030
- ● F015E22A033

1-10V
- ○ F015E22B000
- ○ F015E22B001
- ● F015E22B006
- ● F015E22B012
- ● F015E22B018
- ● F015E22B030
- ● F015E22B033

Dali
- ○ F015E22D000
- ○ F015E22D001
- ● F015E22D006
- ● F015E22D012
- ● F015E22D018
- ● F015E22D030
- ● F015E22D033

**3000K**

Non Dimmable
- ○ F015E32A000
- ○ F015E32A001
- ● F015E32A006
- ● F015E32A012
- ● F015E32A018
- ● F015E32A030
- ● F015E32A033

1-10V
- ○ F015E32B000
- ○ F015E32B001
- ● F015E32B006
- ● F015E32B012
- ● F015E32B018
- ● F015E32B030
- ● F015E32B033

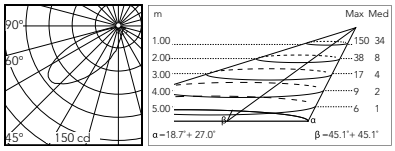
Dali
- ○ F015E32D000
- ○ F015E32D001
- ● F015E32D006
- ● F015E32D012
- ● F015E32D018
- ● F015E32D030
- ● F015E32D033

**4000K**

Non Dimmable
- ○ F015E42A000
- ○ F015E42A001
- ● F015E42A006
- ● F015E42A012
- ● F015E42A018
- ● F015E42A030
- ● F015E42A033

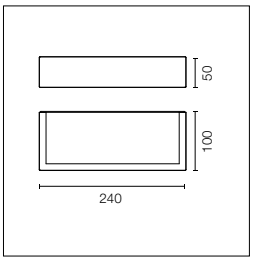
1-10V
- ○ F015E42B000
- ○ F015E42B001
- ● F015E42B006
- ● F015E42B012
- ● F015E42B018
- ● F015E42B030
- ● F015E42B033

Dali
- ○ F015E42D000
- ○ F015E42D001
- ● F015E42D006
- ● F015E42D012
- ● F015E42D018
- ● F015E42D030
- ● F015E42D033




@3000K

## Mile Wall 2 Asymmetric Up & Down




IP 65 · 0,8 Kg · IK 07 · LED INCL

LED light source included. Integrated 220-240V ON/OFF and 1-10V or DALI dimmable electrical power.Equipped with double cable gland for electrical connection.

2200K available on request.

Fuente luminosa Led incluida. Alimentazione elettrica 220-240V ON/OFF e dimmarabile 1-10V o DALI integrata. Equipado con doble prensacable para conexiones de entrada-salida.

2200K disponible bajo pedido.

**Mid - Power Led:** 13,5W - 2x838 lm ≠ FIXT 2x603 lm - 2700K/CRI 80 - 220-240V / 13,5W - 2x872 lm ≠ FIXT 2x627 lm - 3000K/CRI 80 - 220-240V / 13,5W - 2x905 lm ≠ FIXT 2x651 lm - 4000K/CRI 80 - 220-240V

**2700K**

Non Dimmable
- ○ F015D23A000
- ○ F015D23A001
- ● F015D23A006
- ● F015D23A012
- ● F015D23A018
- ● F015D23A030
- ● F015D23A033

1-10V
- ○ F015D23B000
- ○ F015D23B001
- ● F015D23B006
- ● F015D23B012
- ● F015D23B018
- ● F015D23B030
- ● F015D23B033

Dali
- ○ F015D23D000
- ○ F015D23D001
- ● F015D23D006
- ● F015D23D012
- ● F015D23D018
- ● F015D23D030
- ● F015D23D033

**3000K**

Non Dimmable
- ○ F015D33A000
- ○ F015D33A001
- ● F015D33A006
- ● F015D33A012
- ● F015D33A018
- ● F015D33A030
- ● F015D33A033

1-10V
- ○ F015D33B000
- ○ F015D33B001
- ● F015D33B006
- ● F015D33B012
- ● F015D33B018
- ● F015D33B030
- ● F015D33B033

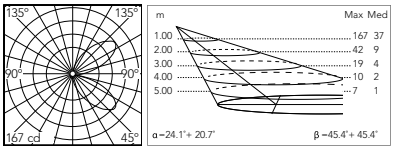
Dali
- ○ F015D33D000
- ○ F015D33D001
- ● F015D33D006
- ● F015D33D012
- ● F015D33D018
- ● F015D33D030
- ● F015D33D033

**4000K**

Non Dimmable
- ○ F015D43A000
- ○ F015D43A001
- ● F015D43A006
- ● F015D43A012
- ● F015D43A018
- ● F015D43A030
- ● F015D43A033

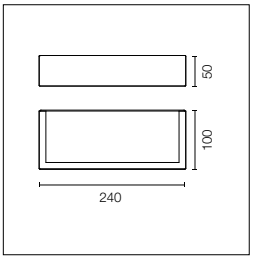
1-10V
- ○ F015D43B000
- ○ F015D43B001
- ● F015D43B006
- ● F015D43B012
- ● F015D43B018
- ● F015D43B030
- ● F015D43B033

Dali
- ○ F015D43D000
- ○ F015D43D001
- ● F015D43D006
- ● F015D43D012
- ● F015D43D018
- ● F015D43D030
- ● F015D43D033




@3000K

## Mile Wall 2 Washer Up & Down




IP 65 | IK 07 | 0,8 Kg | LED INCL

LED light source included. Integrated 220-240V ON/OFF and 1-10V or DALI dimmable electrical power. Equipped with double cable gland for electrical connection.

2200K available on request.

Fuente luminosa Led incluida. Alimentazione elettrica 220-240V ON/OFF y dimmarabile 1-10V o DALI integrata. Equipado con doble prensacable para conexiones de entrada-salida.

2200K disponible bajo pedido.

**Mid - Power Led:** 10,5W - 2x661 lm ≠ FIXT 2x453 lm - 2700K/CRI 80 - 220-240V / 10,5W - 2x714 lm ≠ FIXT 2x471 lm - 3000K/CRI 80 - 220-240V / 10,5W - 2x714 lm ≠ FIXT 2x489 lm - 4000K/CRI 80 - 220-240V

**2700K**

Non Dimmable
- ○ F015E23A000
- ○ F015E23A001
- ● F015E23A006
- ● F015E23A012
- ● F015E23A018
- ● F015E23A030
- ● F015E23A033

1-10V
- ○ F015E23B000
- ○ F015E23B001
- ● F015E23B006
- ● F015E23B012
- ● F015E23B018
- ● F015E23B030
- ● F015E23B033

Dali
- ○ F015E23D000
- ○ F015E23D001
- ● F015E23D006
- ● F015E23D012
- ● F015E23D018
- ● F015E23D030
- ● F015E23D033

**3000K**

Non Dimmable
- ○ F015E33A000
- ○ F015E33A001
- ● F015E33A006
- ● F015E33A012
- ● F015E33A018
- ● F015E33A030
- ● F015E33A033

1-10V
- ○ F015E33B000
- ○ F015E33B001
- ● F015E33B006
- ● F015E33B012
- ● F015E33B018
- ● F015E33B030
- ● F015E33B033

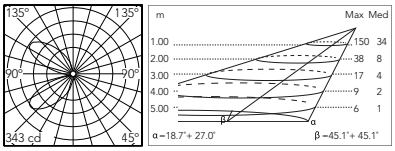
Dali
- ○ F015E33D000
- ○ F015E33D001
- ● F015E33D006
- ● F015E33D012
- ● F015E33D018
- ● F015E33D030
- ● F015E33D033

**4000K**

Non Dimmable
- ○ F015E43A000
- ○ F015E43A001
- ● F015E43A006
- ● F015E43A012
- ● F015E43A018
- ● F015E43A030
- ● F015E43A033

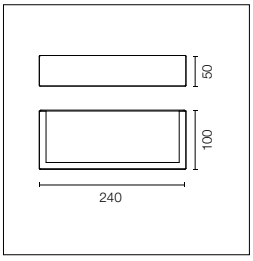
1-10V
- ○ F015E43B000
- ○ F015E43B001
- ● F015E43B006
- ● F015E43B012
- ● F015E43B018
- ● F015E43B030
- ● F015E43B033

Dali
- ○ F015E43D000
- ○ F015E43D001
- ● F015E43D006
- ● F015E43D012
- ● F015E43D018
- ● F015E43D030
- ● F015E43D033




@3000K

## Mile Wall 2 Washer Down + Asymmetric Up




IP 65 | 0,8 Kg | IK 07 | LED INCL

LED light source included. Integrated 220-240V ON/OFF and 1-10V or DALI dimmable electrical power.Equipped with double cable gland for electrical connection..

2200K available on request.

Fuente luminosa Led incluida. Alimentazione elettrica 220-240V ON/OFF y dimmarabile 1-10V o DALI integrata. Equipado con doble prensacable para conexiones de entrada-salida.

2200K disponible bajo pedido.

**Mid - Power Led:** 12W - 661+838 lm ≠ FIXT 453+603 lm - 2700K/CRI 80 - 220-240V / 12W - 2714+872 lm ≠ FIXT 471+627 lm - 3000K/CRI 80 - 220-240V / 12W - 714+905 lm ≠ FIXT 489+651 lm - 4000K/CRI 80 - 220-240V

**2700K**

Non Dimmable
- ○ F015F24A000
- ○ F015F24A001
- ● F015F24A006
- ● F015F24A012
- ● F015F24A018
- ● F015F24A030
- ● F015F24A033

1-10V
- ○ F015F24B000
- ○ F015F24B001
- ● F015F24B006
- ● F015F24B012
- ● F015F24B018
- ● F015F24B030
- ● F015F24B033

Dali
- ○ F015F24D000
- ○ F015F24D001
- ● F015F24D006
- ● F015F24D012
- ● F015F24D018
- ● F015F24D030
- ● F015F24D033

**3000K**

Non Dimmable
- ○ F015F34A000
- ○ F015F34A001
- ● F015F34A006
- ● F015F34A012
- ● F015F34A018
- ● F015F34A030
- ● F015F34A033

1-10V
- ○ F015F34B000
- ○ F015F34B001
- ● F015F34B006
- ● F015F34B012
- ● F015F34B018
- ● F015F34B030
- ● F015F34B033

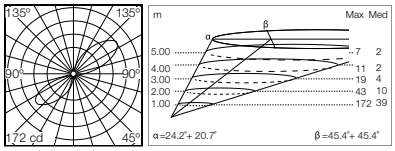
Dali
- ○ F015F34D000
- ○ F015F34D001
- ● F015F34D006
- ● F015F34D012
- ● F015F34D018
- ● F015F34D030
- ● F015F34D033

**4000K**

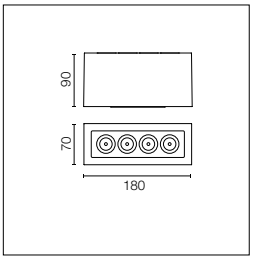
Non Dimmable
- ○ F015F44A000
- ○ F015F44A001
- ● F015F44A006
- ● F015F44A012
- ● F015F44A018
- ● F015F44A030
- ● F015F44A033

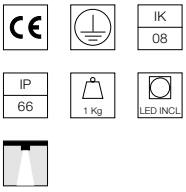
1-10V
- ○ F015F44B000
- ○ F015F44B001
- ● F015F44B006
- ● F015F44B012
- ● F015F44B018
- ● F015F44B030
- ● F015F44B033

Dali
- ○ F015F44D000
- ○ F015F44D001
- ● F015F44D006
- ● F015F44D012
- ● F015F44D018
- ● F015F44D030
- ● F015F44D033




@3000K




LED light source included. Integrated 220-240V ON/OFF and 1-10V/DALI dimmable electrical power. Equipped with double cable gland for inlet and outlet connection. Fixing bracket included.

2200K available on request.

Fuente de luz LED incluida. Alimentación eléctrica integrada 220-240V ON/OFF y regulable 1-10V y DALI. Equipado con pasacables doble para la conexión de entrada y salida. Soporte de sujeción incluido.

2200K disponible bajo pedido.

**Power Led:** 11W - 994 lm ≠ *FIXT 736 lm - 2700K/CRI>80 - 220-240V / 11W - 1030 lm ≠ *FIXT 759 lm - 3000K/CRI>80 - 220-240V / 11W - 1067 lm ≠ *FIXT 791 lm - 4000K/CRI>80 - 220-240V
*Fixt lm = Spot Optic

## Optic Spot

**2700K**
Non Dimmable
- F030A21A000
- F030A21A001
- F030A21A006
- F030A21A012
- F030A21A018
- F030A21A030
- F030A21A033

1-10V
- F030A21B000
- F030A21B001
- F030A21B006
- F030A21B012
- F030A21B018
- F030A21B030
- F030A21B033

Dali
- F030A21D000
- F030A21D001
- F030A21D006
- F030A21D012
- F030A21D018
- F030A21D030
- F030A21D033

**3000K**
Non Dimmable
- F030A31A000
- F030A31A001
- F030A31A006
- F030A31A012
- F030A31A018
- F030A31A030
- F030A31A033

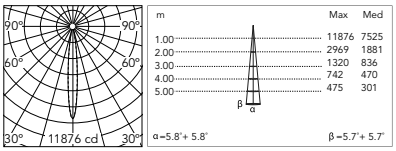
1-10V
- F030A31B000
- F030A31B001
- F030A31B006
- F030A31B012
- F030A31B018
- F030A31B030
- F030A31B033

Dali
- F030A31D000
- F030A31D001
- F030A31D006
- F030A31D012
- F030A31D018
- F030A31D030
- F030A31D033

**4000K**
Non Dimmable
- F030A41A000
- F030A41A001
- F030A41A006
- F030A41A012
- F030A41A018
- F030A41A030
- F030A41A033

1-10V
- F030A41B000
- F030A41B001
- F030A41B006
- F030A41B012
- F030A41B018
- F030A41B030
- F030A41B033

Dali
- F030A41D000
- F030A41D001
- F030A41D006
- F030A41D012
- F030A41D018
- F030A41D030
- F030A41D033




@3000K

## Optic Medium

**2700K**
Non Dimmable
- F030A22A000
- F030A22A001
- F030A22A006
- F030A22A012
- F030A22A018
- F030A22A030
- F030A22A033

1-10V
- F030A22B000
- F030A22B001
- F030A22B006
- F030A22B012
- F030A22B018
- F030A22B030
- F030A22B033

Dali
- F030A22D000
- F030A22D001
- F030A22D006
- F030A22D012
- F030A22D018
- F030A22D030
- F030A22D033

**3000K**
Non Dimmable
- F030A32A000
- F030A32A001
- F030A32A006
- F030A32A012
- F030A32A018
- F030A32A030
- F030A32A033

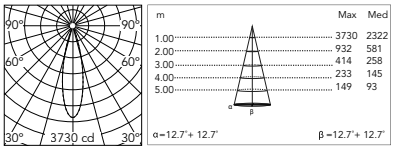
1-10V
- F030A32B000
- F030A32B001
- F030A32B006
- F030A32B012
- F030A32B018
- F030A32B030
- F030A32B033

Dali
- F030A32D000
- F030A32D001
- F030A32D006
- F030A32D012
- F030A32D018
- F030A32D030
- F030A32D033

**4000K**
Non Dimmable
- F030A42A000
- F030A42A001
- F030A42A006
- F030A42A012
- F030A42A018
- F030A42A030
- F030A42A033

1-10V
- F030A42B000
- F030A42B001
- F030A42B006
- F030A42B012
- F030A42B018
- F030A42B030
- F030A42B033

Dali
- F030A42D000
- F030A42D001
- F030A42D006
- F030A42D012
- F030A42D018
- F030A42D030
- F030A42D033




@3000K

**Optic Flood**

**2700K**

Non Dimmable

- ○ F030A23A000
- ○ F030A23A001
- ● F030A23A006
- ● F030A23A012
- ● F030A23A018
- ● F030A23A030
- ● F030A23A033

1-10V

- ○ F030A23B000
- ○ F030A23B001
- ● F030A23B006
- ● F030A23B012
- ● F030A23B018
- ● F030A23B030
- ● F030A23B033

Dali

- ○ F030A23D000
- ○ F030A23D001
- ● F030A23D006
- ● F030A23D012
- ● F030A23D018
- ● F030A23D030
- ● F030A23D033

**3000K**

Non Dimmable

- ○ F030A33A000
- ○ F030A33A001
- ● F030A33A006
- ● F030A33A012
- ● F030A33A018
- ● F030A33A030
- ● F030A33A033

1-10V

- ○ F030A33B000
- ○ F030A33B001
- ● F030A33B006
- ● F030A33B012
- ● F030A33B018
- ● F030A33B030
- ● F030A33B033

Dali

- ○ F030A33D000
- ○ F030A33D001
- ● F030A33D006
- ● F030A33D012
- ● F030A33D018
- ● F030A33D030
- ● F030A33D033

**4000K**

Non Dimmable

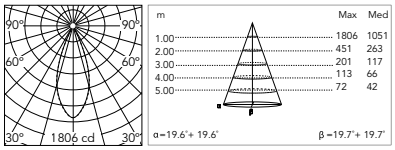
- ○ F030A43A000
- ○ F030A43A001
- ● F030A43A006
- ● F030A43A012
- ● F030A43A018
- ● F030A43A030
- ● F030A43A033

1-10V

- ○ F030A43B000
- ○ F030A43B001
- ● F030A43B006
- ● F030A43B012
- ● F030A43B018
- ● F030A43B030
- ● F030A43B033

Dali

- ○ F030A43D000
- ○ F030A43D001
- ● F030A43D006
- ● F030A43D012
- ● F030A43D018
- ● F030A43D030
- ● F030A43D033




@3000K

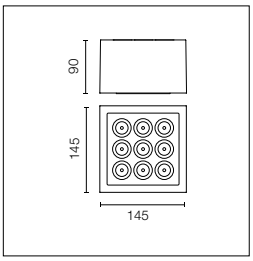
## Accessories for non-dimmable versions / Accesorios para las versiones no dimables

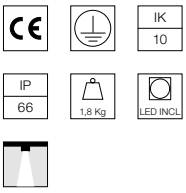
| | | | |
|---|---|---|---|
| 2 way terminal block 4 poles IP68 H2O Stop. | Bloque de terminales IP68 H2O Stop anticondensación con 2 vías y 4 polos. | F990C00A000 | |
| 3/4 way terminal block 4 poles IP68 H2O Stop. (ø5,5÷12mm cable). | Bloque de terminales IP68 H2O Stop anticondensación con 3/4 vías y 4 polos. (Cable ø5,5÷12 mm). | F990C010000 | |

## Accessories for dimmable versions / Accesorios para versiones dimables

| | | | |
|---|---|---|---|
| Connector kit 5-pole flying socket + EU plug IP68. | Kit de conectores de 5 polos enchufe volante + enchufe UE IP68. | F990C080000 | |
| 4 way junction box 5 poles IP68 (6-14 mm cables). | Caja de derivación de 5 polos y 4 vías IP68 (cables de 6-14 mm). | F990C030000 | |

## Mile Ceiling 2




LED light source included. Integrated 220-240V ON/OFF and 1-10V/DALI dimmable electrical power.
Equipped with double cable gland for inlet and outlet connection. Fixing bracket included.

2200K available on request.

Fuente de luz LED incluida. Alimentación eléctrica integrada 220-240V ON/OFF y regulable 1-10V o DALI
Equipado con pasacables doble para la conexión de entrada y salida. Soporte de sujeción incluido.

2200K disponible bajo pedido.

**Power Led:** 15W - 1677 lm ≠ *FIXT 1032 lm - 2700K/CRI>80 - 220-240V / 15W - 1739 lm ≠ *FIXT 1344 lm - 3000K/CRI>80 - 220-240V / 15W - 1800 lm ≠ *FIXT 1400 lm - 4000K/CRI>80 - 220-240V
*Fixt lm = Spot Optic

### Optic Spot

**2700K**
Non Dimmable
- ○ F030C21A000
- ○ F030C21A001
- ● F030C21A006
- ● F030C21A012
- ● F030C21A018
- ● F030C21A030
- ● F030C21A033

1-10V
- ○ F030C21B000
- ○ F030C21B001
- ● F030C21B006
- ● F030C21B012
- ● F030C21B018
- ● F030C21B030
- ● F030C21B033

Dali
- ○ F030C21D000
- ○ F030C21D001
- ● F030C21D006
- ● F030C21D012
- ● F030C21D018
- ● F030C21D030
- ● F030C21D033

**3000K**
Non Dimmable
- ○ F030C31A000
- ○ F030C31A001
- ● F030C31A006
- ● F030C31A012
- ● F030C31A018
- ● F030C31A030
- ● F030C31A033

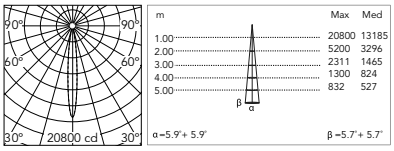
1-10V
- ○ F030C31B000
- ○ F030C31B001
- ● F030C31B006
- ● F030C31B012
- ● F030C31B018
- ● F030C31B030
- ● F030C31B033

Dali
- ○ F030C31D000
- ○ F030C31D001
- ● F030C31D006
- ● F030C31D012
- ● F030C31D018
- ● F030C31D030
- ● F030C31D033

**4000K**
Non Dimmable
- ○ F030C41A000
- ○ F030C41A001
- ● F030C41A006
- ● F030C41A012
- ● F030C41A018
- ● F030C41A030
- ● F030C41A033

1-10V
- ○ F030C41B000
- ○ F030C41B001
- ● F030C41B006
- ● F030C41B012
- ● F030C41B018
- ● F030C41B030
- ● F030C41B033

Dali
- ○ F030C41D000
- ○ F030C41D001
- ● F030C41D006
- ● F030C41D012
- ● F030C41D018
- ● F030C41D030
- ● F030C41D033




@3000K

### Optic Medium

**2700K**
Non Dimmable
- ○ F030C22A000
- ○ F030C22A001
- ● F030C22A006
- ● F030C22A012
- ● F030C22A018
- ● F030C22A030
- ● F030C22A033

1-10V
- ○ F030C22B000
- ○ F030C22B001
- ● F030C22B006
- ● F030C22B012
- ● F030C22B018
- ● F030C22B030
- ● F030C22B033

Dali
- ○ F030C22D000
- ○ F030C22D001
- ● F030C22D006
- ● F030C22D012
- ● F030C22D018
- ● F030C22D030
- ● F030C22D033

**3000K**
Non Dimmable
- ○ F030C32A000
- ○ F030C32A001
- ● F030C32A006
- ● F030C32A012
- ● F030C32A018
- ● F030C32A030
- ● F030C32A033

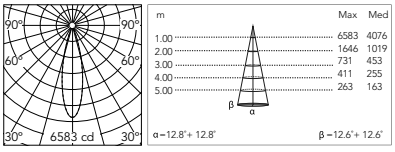
1-10V
- ○ F030C32B000
- ○ F030C32B001
- ● F030C32B006
- ● F030C32B012
- ● F030C32B018
- ● F030C32B030
- ● F030C32B033

Dali
- ○ F030C32D000
- ○ F030C32D001
- ● F030C32D006
- ● F030C32D012
- ● F030C32D018
- ● F030C32D030
- ● F030C32D033

**4000K**
Non Dimmable
- ○ F030C42A000
- ○ F030C42A001
- ● F030C42A006
- ● F030C42A012
- ● F030C42A018
- ● F030C42A030
- ● F030C42A033

1-10V
- ○ F030C42B000
- ○ F030C42B001
- ● F030C42B006
- ● F030C42B012
- ● F030C42B018
- ● F030C42B030
- ● F030C42B033

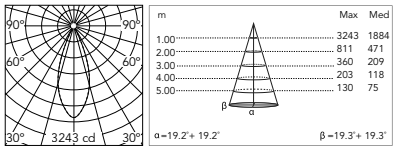
Dali
- ○ F030C42D000
- ○ F030C42D001
- ● F030C42D006
- ● F030C42D012
- ● F030C42D018
- ● F030C42D030
- ● F030C42D033




@3000K

**Optic Flood**

| 2700K | 3000K | 4000K |
|---|---|---|
| Non Dimmable | Non Dimmable | Non Dimmable |
| ○ F030C23A000 | ○ F030C33A000 | ○ F030C43A000 |
| ○ F030C23A001 | ○ F030C33A001 | ○ F030C43A001 |
| ● F030C23A006 | ● F030C33A006 | ● F030C43A006 |
| ● F030C23A012 | ● F030C33A012 | ● F030C43A012 |
| ● F030C23A018 | ● F030C33A018 | ● F030C43A018 |
| ● F030C23A030 | ● F030C33A030 | ● F030C43A030 |
| ● F030C23A033 | ● F030C33A033 | ● F030C43A033 |
| 1-10V | 1-10V | 1-10V |
| ○ F030C23B000 | ○ F030C33B000 | ○ F030C43B000 |
| ○ F030C23B001 | ○ F030C33B001 | ○ F030C43B001 |
| ● F030C23B006 | ● F030C33B006 | ● F030C43B006 |
| ● F030C23B012 | ● F030C33B012 | ● F030C43B012 |
| ● F030C23B018 | ● F030C33B018 | ● F030C43B018 |
| ● F030C23B030 | ● F030C33B030 | ● F030C43B030 |
| ● F030C23B033 | ● F030C33B033 | ● F030C43B033 |
| Dali | Dali | Dali |
| ○ F030C23D000 | ○ F030C33D000 | ○ F030C43D000 |
| ○ F030C23D001 | ○ F030C33D001 | ○ F030C43D001 |
| ● F030C23D006 | ● F030C33D006 | ● F030C43D006 |
| ● F030C23D012 | ● F030C33D012 | ● F030C43D012 |
| ● F030C23D018 | ● F030C33D018 | ● F030C43D018 |
| ● F030C23D030 | ● F030C33D030 | ● F030C43D030 |
| ● F030C23D033 | ● F030C33D033 | ● F030C43D033 |



@3000K

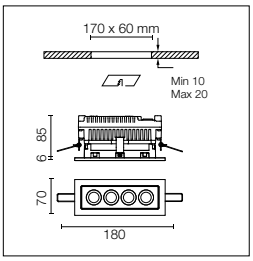
## Accessories for non-dimmable versions / Accesorios para las versiones no dimables

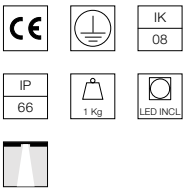
| | | | |
|---|---|---|---|
| 2 way terminal block 4 poles IP68 H2O Stop. | Bloque de terminales IP68 H2O Stop anticondensación con 2 vías y 4 polos. | F990C00A000 | |
| 3/4 way terminal block 4 poles IP68 H2O Stop. (ø5,5÷12mm cable). | Bloque de terminales IP68 H2O Stop anticondensación con 3/4 vías y 4 polos. (Cable ø5,5÷12 mm). | F990C010000 | |

## Accessories for dimmable versions / Accesorios para versiones dimables

| | | | |
|---|---|---|---|
| Connector kit 5-pole flying socket + EU plug IP68. | Kit de conectores de 5 polos enchufe volante + enchufe UE IP68. | F990C080000 | |
| 4 way junction box 5 poles IP68 (6-14 mm cables). | Caja de derivación de 5 polos y 4 vías IP68 (cables de 6-14 mm). | F990C030000 | |

## Mile Recessed 1




LED light source included. Integrated 220-240V ON/OFF and 1-10V/DALI dimmable electrical power. Equipped with neoprene cable outlet and double cable grommet for in/out connection. Ceiling mounting springs included. Box for brick roofing installation to be ordered separately.

2200K available on request.

Fuente de luz LED incluida. Alimentación eléctrica integrada 220-240V ON/OFF y regulable 1-10V o DALI. Equipado con salida de cable de neopreno y doble pasacables para la conexión de entrada y salida. Resortes de montaje en el techo incluidos. El encofrado para techo de ladrillos se ha de pedir por separado.

2200K disponible bajo pedido.

**Power Led:** 11W - 994 lm ≠ *FIXT 736 lm - 2700K/CRI>80 - 220-240V / 11W - 1030 lm ≠ *FIXT 759 lm - 3000K/CRI>80 - 220-240V / 11W - 1067 lm ≠ *FIXT 791 lm - 4000K/CRI>80 - 220-240V
*Fixt lm = Spot Optic

### Optic Spot

**2700K**
Non Dimmable
- F030B21A000
- F030B21A001
- F030B21A006
- F030B21A012
- F030B21A018
- F030B21A030
- F030B21A033

1-10V
- F030B21B000
- F030B21B001
- F030B21B006
- F030B21B012
- F030B21B018
- F030B21B030
- F030B21B033

Dali
- F030B21D000
- F030B21D001
- F030B21D006
- F030B21D012
- F030B21D018
- F030B21D030
- F030B21D033

**3000K**
Non Dimmable
- F030B31A000
- F030B31A001
- F030B31A006
- F030B31A012
- F030B31A018
- F030B31A030
- F030B31A033

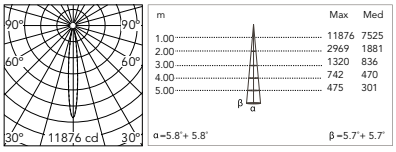
1-10V
- F030B31B000
- F030B31B001
- F030B31B006
- F030B31B012
- F030B31B018
- F030B31B030
- F030B31B033

Dali
- F030B31D000
- F030B31D001
- F030B31D006
- F030B31D012
- F030B31D018
- F030B31D030
- F030B31D033

**4000K**
Non Dimmable
- F030B41A000
- F030B41A001
- F030B41A006
- F030B41A012
- F030B41A018
- F030B41A030
- F030B41A033

1-10V
- F030B41B000
- F030B41B001
- F030B41B006
- F030B41B012
- F030B41B018
- F030B41B030
- F030B41B033

Dali
- F030B41D000
- F030B41D001
- F030B41D006
- F030B41D012
- F030B41D018
- F030B41D030
- F030B41D033




@3000K

### Optic Medium

**2700K**
Non Dimmable
- F030B22A000
- F030B22A001
- F030B22A006
- F030B22A012
- F030B22A018
- F030B22A030
- F030B22A033

1-10V
- F030B22B000
- F030B22B001
- F030B22B006
- F030B22B012
- F030B22B018
- F030B22B030
- F030B22B033

Dali
- F030B22D000
- F030B22D001
- F030B22D006
- F030B22D012
- F030B22D018
- F030B22D030
- F030B22D033

**3000K**
Non Dimmable
- F030B32A000
- F030B32A001
- F030B32A006
- F030B32A012
- F030B32A018
- F030B32A030
- F030B32A033

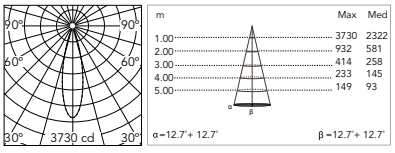
1-10V
- F030B32B000
- F030B32B001
- F030B32B006
- F030B32B012
- F030B32B018
- F030B32B030
- F030B32B033

Dali
- F030B32D000
- F030B32D001
- F030B32D006
- F030B32D012
- F030B32D018
- F030B32D030
- F030B32D033

**4000K**
Non Dimmable
- F030B42A000
- F030B42A001
- F030B42A006
- F030B42A012
- F030B42A018
- F030B42A030
- F030B42A033

1-10V
- F030B42B000
- F030B42B001
- F030B42B006
- F030B42B012
- F030B42B018
- F030B42B030
- F030B42B033

Dali
- F030B42D000
- F030B42D001
- F030B42D006
- F030B42D012
- F030B42D018
- F030B42D030
- F030B42D033




@3000K

**Optic Flood**

**2700K**

Non Dimmable

- ○ F030B23A000
- ○ F030B23A001
- ● F030B23A006
- ● F030B23A012
- ● F030B23A018
- ● F030B23A030
- ● F030B23A033

1-10V

- ○ F030B23B000
- ○ F030B23B001
- ● F030B23B006
- ● F030B23B012
- ● F030B23B018
- ● F030B23B030
- ● F030B23B033

Dali

- ○ F030B23D000
- ○ F030B23D001
- ● F030B23D006
- ● F030B23D012
- ● F030B23D018
- ● F030B23D030
- ● F030B23D033

**3000K**

Non Dimmable

- ○ F030B33A000
- ○ F030B33A001
- ● F030B33A006
- ● F030B33A012
- ● F030B33A018
- ● F030B33A030
- ● F030B33A033

1-10V

- ○ F030B33B000
- ○ F030B33B001
- ● F030B33B006
- ● F030B33B012
- ● F030B33B018
- ● F030B33B030
- ● F030B33B033

Dali

- ○ F030B33D000
- ○ F030B33D001
- ● F030B33D006
- ● F030B33D012
- ● F030B33D018
- ● F030B33D030
- ● F030B33D033

**4000K**

Non Dimmable

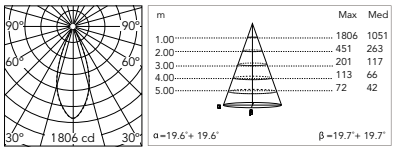
- ○ F030B43A000
- ○ F030B43A001
- ● F030B43A006
- ● F030B43A012
- ● F030B43A018
- ● F030B43A030
- ● F030B43A033

1-10V

- ○ F030B43B000
- ○ F030B43B001
- ● F030B43B006
- ● F030B43B012
- ● F030B43B018
- ● F030B43B030
- ● F030B43B033

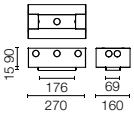
Dali

- ○ F030B43D000
- ○ F030B43D001
- ● F030B43D006
- ● F030B43D012
- ● F030B43D018
- ● F030B43D030
- ● F030B43D033

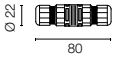



@3000K

## Mile Recessed 1: Accessories / Accesorios

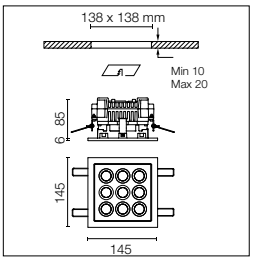
| | | | | |
|---|---|---|---|---|
| Metal installation box for concrete ceiling. | Caja de metal para instalación en techos de cemento. | F030Z010000 | |   |

## Accessories for non-dimmable versions / Accesorios para las versiones no dimables

| | | | | |
|---|---|---|---|---|
| 2 way terminal block 4 poles IP68 H2O Stop. | Bloque de terminales IP68 H2O Stop anticondensación con 2 vías y 4 polos. | F990C00A000 | |   |
| 3/4 way terminal block 4 poles IP68 H2O Stop. (ø5,5÷12mm cable). | Bloque de terminales IP68 H2O Stop anticondensación con 3/4 vías y 4 polos. (Cable ø5,5÷12 mm). | F990C010000 | | |

## Accessories for dimmable versions / Accesorios para versiones dimables

| | | | |
|---|---|---|---|
| Connector kit 5-pole flying socket + EU plug IP68. | Kit de conectores de 5 polos enchufe volante + enchufe UE IP68. | F990C080000 | |
| 4 way junction box 5 poles IP68 (6-14 mm cables). | Caja de derivación de 5 polos y 4 vías IP68 (cables de 6-14 mm). | F990C030000 | |




IK 10

IP 66

1,8 Kg

LED INCL

LED light source included. Integrated 220-240V ON/OFF and 1-10V/DALI dimmable electrical power. Equipped with neoprene cable outlet and double cable grommet for in/out connection. Ceiling mounting springs included. Box for brick roofing installation to be ordered separately.

2200K available on request.

Fuente de luz LED incluida. Alimentación eléctrica integrada 220-240V ON/OFF y regulable 1-10V o DALI. Equipado con salida de cable de neopreno y doble pasacables para la conexión de entrada y salida. Resortes de montaje en el techo incluidos. El encofrado para techo de ladrillos se ha de pedir por separado.

2200K disponible bajo pedido.

**Power Led:** 15W - 1677 lm ≠ *FIXT 1032 lm - 2700K/CRI>80 - 220-240V / 15W - 1739 lm ≠ *FIXT 1344 lm - 3000K/CRI>80 - 220-240V / 15W - 1800 lm ≠ *FIXT 1400 lm - 4000K/CRI>80 - 220-240V
*Fixt lm = Spot Optic

### Optic Spot

**2700K**
Non Dimmable
- ○ F030D21A000
- ○ F030D21A001
- ● F030D21A006
- ● F030D21A012
- ● F030D21A018
- ● F030D21A030
- ● F030D21A033

1-10V
- ○ F030D21B000
- ○ F030D21B001
- ● F030D21B006
- ● F030D21B012
- ● F030D21B018
- ● F030D21B030
- ● F030D21B033

Dali
- ○ F030D21D000
- ○ F030D21D001
- ● F030D21D006
- ● F030D21D012
- ● F030D21D018
- ● F030D21D030
- ● F030D21D033

**3000K**
Non Dimmable
- ○ F030D31A000
- ○ F030D31A001
- ● F030D31A006
- ● F030D31A012
- ● F030D31A018
- ● F030D31A030
- ● F030D31A033

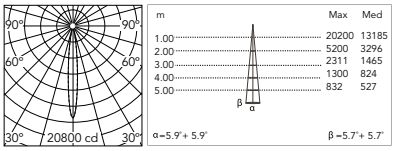
1-10V
- ○ F030D31B000
- ○ F030D31B001
- ● F030D31B006
- ● F030D31B012
- ● F030D31B018
- ● F030D31B030
- ● F030D31B033

Dali
- ○ F030D31D000
- ○ F030D31D001
- ● F030D31D006
- ● F030D31D012
- ● F030D31D018
- ● F030D31D030
- ● F030D31D033

**4000K**
Non Dimmable
- ○ F030D41A000
- ○ F030D41A001
- ● F030D41A006
- ● F030D41A012
- ● F030D41A018
- ● F030D41A030
- ● F030D41A033

1-10V
- ○ F030D41B000
- ○ F030D41B001
- ● F030D41B006
- ● F030D41B012
- ● F030D41B018
- ● F030D41B030
- ● F030D41B033

Dali
- ○ F030D41D000
- ○ F030D41D001
- ● F030D41D006
- ● F030D41D012
- ● F030D41D018
- ● F030D41D030
- ● F030D41D033




@3000K

### Optic Medium

**2700K**
Non Dimmable
- ○ F030D22A000
- ○ F030D22A001
- ● F030D22A006
- ● F030D22A012
- ● F030D22A018
- ● F030D22A030
- ● F030D22A033

1-10V
- ○ F030D22B000
- ○ F030D22B001
- ● F030D22B006
- ● F030D22B012
- ● F030D22B018
- ● F030D22B030
- ● F030D22B033

Dali
- ○ F030D22D000
- ○ F030D22D001
- ● F030D22D006
- ● F030D22D012
- ● F030D22D018
- ● F030D22D030
- ● F030D22D033

**3000K**
Non Dimmable
- ○ F030D32A000
- ○ F030D32A001
- ● F030D32A006
- ● F030D32A012
- ● F030D32A018
- ● F030D32A030
- ● F030D32A033

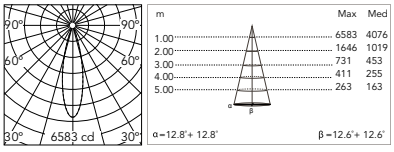
1-10V
- ○ F030D32B000
- ○ F030D32B001
- ● F030D32B006
- ● F030D32B012
- ● F030D32B018
- ● F030D32B030
- ● F030D32B033

Dali
- ○ F030D32D000
- ○ F030D32D001
- ● F030D32D006
- ● F030D32D012
- ● F030D32D018
- ● F030D32D030
- ● F030D32D033

**4000K**
Non Dimmable
- ○ F030D42A000
- ○ F030D42A001
- ● F030D42A006
- ● F030D42A012
- ● F030D42A018
- ● F030D42A030
- ● F030D42A033

1-10V
- ○ F030D42B000
- ○ F030D42B001
- ● F030D42B006
- ● F030D42B012
- ● F030D42B018
- ● F030D42B030
- ● F030D42B033

Dali
- ○ F030D42D000
- ○ F030D42D001
- ● F030D42D006
- ● F030D42D012
- ● F030D42D018
- ● F030D42D030
- ● F030D42D033




@3000K

**Optic Flood**

**2700K**

Non Dimmable

- ○ F030D23A000
- ○ F030D23A001
- ● F030D23A006
- ● F030D23A012
- ● F030D23A018
- ● F030D23A030
- ● F030D23A033

1-10V

- ○ F030D23B000
- ○ F030D23B001
- ● F030D23B006
- ● F030D23B012
- ● F030D23B018
- ● F030D23B030
- ● F030D23B033

Dali

- ○ F030D23D000
- ○ F030D23D001
- ● F030D23D006
- ● F030D23D012
- ● F030D23D018
- ● F030D23D030
- ● F030D23D033

**3000K**

Non Dimmable

- ○ F030D33A000
- ○ F030D33A001
- ● F030D33A006
- ● F030D33A012
- ● F030D33A018
- ● F030D33A030
- ● F030D33A033

1-10V

- ○ F030D33B000
- ○ F030D33B001
- ● F030D33B006
- ● F030D33B012
- ● F030D33B018
- ● F030D33B030
- ● F030D33B033

Dali

- ○ F030D33D000
- ○ F030D33D001
- ● F030D33D006
- ● F030D33D012
- ● F030D33D018
- ● F030D33D030
- ● F030D33D033

**4000K**

Non Dimmable

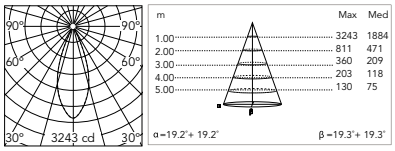
- ○ F030D43A000
- ○ F030D43A001
- ● F030D43A006
- ● F030D43A012
- ● F030D43A018
- ● F030D43A030
- ● F030D43A033

1-10V

- ○ F030D43B000
- ○ F030D43B001
- ● F030D43B006
- ● F030D43B012
- ● F030D43B018
- ● F030D43B030
- ● F030D43B033

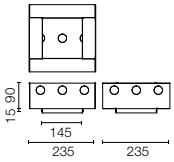
Dali

- ○ F030D43D000
- ○ F030D43D001
- ● F030D43D006
- ● F030D43D012
- ● F030D43D018
- ● F030D43D030
- ● F030D43D033

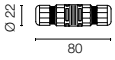



@3000K

## Mile Recessed 2: Accessories / Accesorios

| | | | |
|---|---|---|---|
| Metal installation box for concrete ceiling. | Caja de metal para instalación en techos de cemento. | F030Z020000 |   |

## Accessories for non-dimmable versions / Accesorios para las versiones no dimables

| | | | |
|---|---|---|---|
| 2 way terminal block 4 poles IP68 H2O Stop. | Bloque de terminales IP68 H2O Stop anticondensación con 2 vías y 4 polos. | F990C00A000 |   |
| 3/4 way terminal block 4 poles IP68 H2O Stop. (ø5,5÷12mm cable). | Bloque de terminales IP68 H2O Stop anticondensación con 3/4 vías y 4 polos. (Cable ø5,5÷12 mm). | F990C010000 | |

## Accessories for dimmable versions / Accesorios para versiones dimables

| | | | |
|---|---|---|---|
| Connector kit 5-pole flying socket + EU plug IP68. | Kit de conectores de 5 polos enchufe volante + enchufe UE IP68. | F990C080000 | |
| 4 way junction box 5 poles IP68 (6-14 mm cables). | Caja de derivación de 5 polos y 4 vías IP68 (cables de 6-14 mm). | F990C030000 | |

## Captain Flint

Designed by Michael Anastassiades

Captain Flint

Captain Flint Wall

## Family / Familia

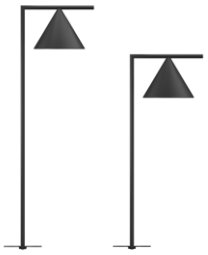
Captain Flint Outdoor Floor

**CoB Led**
11W
1099 lm - 2700K/CRI 80
1140 lm - 3000K/CRI 80
1221 lm - 4000K/CRI 80
2200K available on request.

Captain Flint Outdoor Wall

**CoB Led**
9,5W
989 lm - 2700K/CRI 80
1026 lm - 3000K/CRI 80
1099 lm - 4000K/CRI 80
2200K available on request.

Captain Flint Outdoor Bollard



**CoB Led**
9,5W
989 lm - 2700K/CRI 80
1026 lm - 3000K/CRI 80
1099 lm - 4000K/CRI 80
2200K available on request.

## Colours / Colores

18 Deep Brown

30 Black

37 Burgundy Red

55 Brushed Stainless Steel

59 Brass Finish

## Captain Flint Outdoor Floor - Stone bases

18 Deep Brown/Travertino Imperiale

30 Black/Black Lava

37 Burgundy Red/Black Lava

55 Brushed Stainless Steel/
Occhio di Pernice

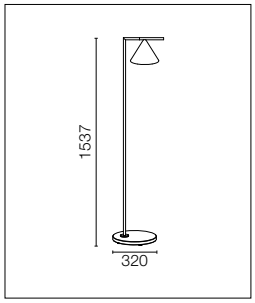
59 Brass Finish/Grey Lava

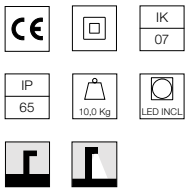
## Description / Descripción

Luminaire family with wall version, bollard version and outdoor floor version.
Wall version with fixed head. Rose, frame and cone in 316L polished or painted stainless steel or polished brass finishes. Structural parts have been treated with a chemical conversion process for effective resistance against atmospheric conditions. Diffuser in photo-recorded and injection molded UV-resistant opalescent polycarbonate. LED light source included.
Floor version with 315° adjustable head in horizontal rod, with a robust stone base that comes in various finishes. Available in five standard combinations: black/black lava painted steel, deep brown/travertino imperiale, burgundy red/black lava, satinized brass/grey lava, satinized stainless steel/occhio di pernice. 5-m cable with IP44 Schuko plug suitable for outdoor use. Backlit floor dimmer switch along the IP65 cable enables ON/OFF function and 30–100% brightness regulation.

Familia de luminarias con versión de pared y versión de suelo para exterior.
Versión de pared con cabezal fijo. Roseta, marco y cono con acabado en acero inoxidable 316L pulido, pintado o en latón pulido. Las partes estructurales han sido tratadas con un proceso de conversión química con el fin de conseguir una resistencia eficaz contra los agentes atmosféricos. Difusor en policarbonato opalescente anti-UV fotograbado y moldeado por inyección. Fuente de luz LED incluida.
Versión de suelo con cabezal orientable 315° en varilla horizontal, con una robusta base en piedra disponible en diferentes acabados. Disponible en cinco combinaciones estándar: acero pintado negro/lava negra, acero pintado deep brown/travertino imperial, acero pintado rojo burdeos/lava negra, latón satinado/lava gris, acero inox satinado/ojo de perdiz. Cable de 5 metros apto para uso exterior con enchufe Schuko IP44.
Interruptor de regulación de pedal retroiluminado IP65 a lo largo del cable que garantiza las funciones ON/OFF y la regulación del 30-100% del flujo luminoso.

## Captain Flint Outdoor Floor




LED bulb included.
5-m cable with Schuko IP44 plug suitable for outdoor use. Backlit floor dimmer switch on the IP65 cable enables ON/OFF function and brightness regulation 30-100%.
Casambi function on demand.

2200K available on request.

Fuente luminosa de LED incluida. Cable apto para uso en exteriores de 5 metros de longitud con clavija Schuko IP44. Interruptor que regula la intensidad con un pedal retroiluminado IP65 a lo largo del cable que garantiza las funciones de encendido y apagado (ON/OFF) y la regulación del flujo luminoso 30-100 %. Función Casambi bajo pedido.

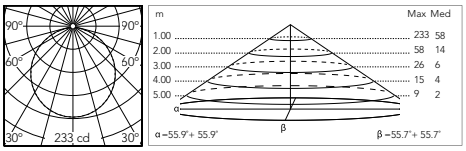
2200K disponible bajo pedido.

**CoB Led:** 11W -1099 lm ≠ FIXT 669 lm - 2700K/CRI>80 - 220-240V / 11W - 1140 lm ≠ FIXT 694 lm - 3000K/CRI>80 - 220-240V / 11W -1221 lm ≠ FIXT 744 lm - 4000K/CRI>80 - 220-240V

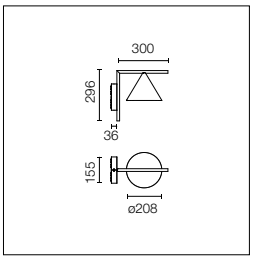
**2700K**
- F011A21F018.A
- F011A22F030.A
- F011A22F037.A
- F011A24F055.A
- F011A23F059.A

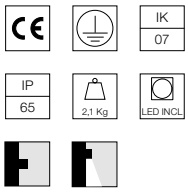
**3000K**
- F011A31F018.A
- F011A32F030.A
- F011A32F037.A
- F011A34F055.A
- F011A33F059.A

**4000K**
- F011A41F018.A
- F011A42F030.A
- F011A42F037.A
- F011A44F055.A
- F011A43F059.A




@3000K




Luminaire for wall-mounting with diffuse light emission and fixed head. LED light source included. Integrated 220-240V ON/OFF or 1-10V/DALI dimmable electrical power.
Connection is quickly ensured in the rose with the plug & play electrical connection and the IP68 connector included. Clamp bracket included.
110V version upon request.

2200K available on request.

Luminaria para montaje en pared con emisión de luz difusa y cabezal fijo. Fuente de luz LED incluida.
Alimentación eléctrica integrada 220-240V ON/OFF o regulable 1-10V / DALI.
La conexión se realiza rápidamente en el interior de la roseta con la unión eléctrica plug&play y el conector IP68 incluido. Soporte de sujeción incluido.
Versión 110V bajo pedido.

2200K disponible bajo pedido.

**CoB Led:** 9,5W -989 lm ≠ FIXT 629 lm - 2700K/CRI>80 - 220-240V / 9,5W - 1026 lm ≠ FIXT 652 lm - 3000K/CRI>80 - 220-240V / 9,5W -1099 lm ≠ FIXT 699 lm - 4000K/CRI>80 - 220-240V

**2700K**
Non Dimmable
- F011W20A018
- F011W20A030
- F011W20A037
- F011W20A055
- F011W20A059

1-10V
- F011W20B018
- F011W20B030
- F011W20B037
- F011W20B055
- F011W20B059

Dali
- F011W20D018
- F011W20D030
- F011W20D037
- F011W20D055
- F011W20D059

**3000K**
Non Dimmable
- F011W30A018
- F011W30A030
- F011W30A037
- F011W30A055
- F011W30A059

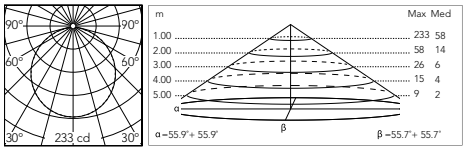
1-10V
- F011W30B018
- F011W30B030
- F011W30B037
- F011W30B055
- F011W30B059

Dali
- F011W30D018
- F011W30D030
- F011W30D037
- F011W30D055
- F011W30D059

**4000K**
Non Dimmable
- F011W40A018
- F011W40A030
- F011W40A037
- F011W40A055
- F011W40A059

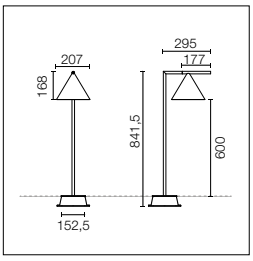
1-10V
- F011W40B018
- F011W40B030
- F011W40B037
- F011W40B055
- F011W40B059

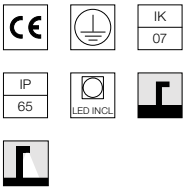
Dali
- F011W40D018
- F011W40D030
- F011W40D037
- F011W40D055
- F011W40D059




@3000K

## Captain Flint Outdoor B1




Integrated ON/OFF or dimmable 220-240V power supply.
For mains connection, the light source is equipped with watertight cable. Box for ground or cobblestone installations requiring concrete plinth is available upon request.

2200K available on request.

La alimentación eléctrica ON/OFF o regulable 220-240V está integrada. La fuente de luz está equipada con cable estanco para la conexión con la red eléctrica. Bajo pedido, caja para instalaciones en suelo o empedrado que requiere plinto en cemento.

2200K disponible bajo pedido.

**CoB Led:** 9,5W -989 lm ≠ FIXT 629 lm - 2700K/CRI>80 - 220-240V / 9,5W - 1026 lm ≠ FIXT 652 lm - 3000K/CRI>80 - 220-240V / 9,5W -1099 lm ≠ FIXT 699 lm - 4000K/CRI>80 - 220-240V

**2700K**
Non Dimmable
- F011D20A018
- F011D20A030
- F011D20A037
- F011D20A055
- F011D20A059

1-10V
- F011D20B018
- F011D20B030
- F011D20B037
- F011D20B055
- F011D20B059

Dali
- F011D20D018
- F011D20D030
- F011D20D037
- F011D20D055
- F011D20D059

**3000K**
Non Dimmable
- F011D30A018
- F011D30A030
- F011D30A037
- F011D30A055
- F011D30A059

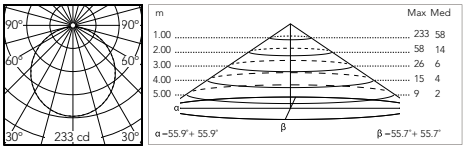
1-10V
- F011D30B018
- F011D30B030
- F011D30B037
- F011D30B055
- F011D30B059

Dali
- F011D30D018
- F011D30D030
- F011D30D037
- F011D30D055
- F011D30D059

**4000K**
Non Dimmable
- F011D40A018
- F011D40A030
- F011D40A037
- F011D40A055
- F011D40A059

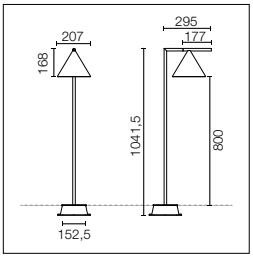
1-10V
- F011D40B018
- F011D40B030
- F011D40B037
- F011D40B055
- F011D40B059

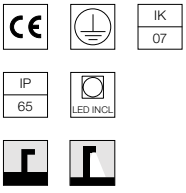
Dali
- F011D40D018
- F011D40D030
- F011D40D037
- F011D40D055
- F011D40D059




@3000K

## Captain Flint Outdoor B2




Integrated ON/OFF or dimmable 220-240V power supply.
For mains connection, the light source is equipped with watertight cable. Box for ground or cobblestone installations requiring concrete plinth is available upon request.

2200K available on request.

La alimentación eléctrica ON/OFF o regulable 220-240V está integrada. La fuente de luz está equipada con cable estanco para la conexión con la red eléctrica. Bajo pedido, caja para instalaciones en suelo o empedrado que requiere plinto en cemento.

2200K disponible bajo pedido.

**CoB Led:** 9,5W -989 lm ≠ FIXT 629 lm - 2700K/CRI>80 - 220-240V / 9,5W - 1026 lm ≠ FIXT 652 lm - 3000K/CRI>80 - 220-240V / 9,5W -1099 lm ≠ FIXT 699 lm - 4000K/CRI>80 - 220-240V

**2700K**
Non Dimmable
- F011E20A018
- F011E20A030
- F011E20A037
- F011E20A055
- F011E20A059

1-10V
- F011E20B018
- F011E20B030
- F011E20B037
- F011E20B055
- F011E20B059

Dali
- F011E20D018
- F011E20D030
- F011E20D037
- F011E20D055
- F011E20D059

**3000K**
Non Dimmable
- F011E30A018
- F011E30A030
- F011E30A037
- F011E30A055
- F011E30A059

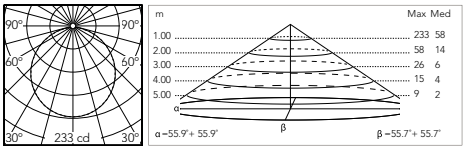
1-10V
- F011E30B018
- F011E30B030
- F011E30B037
- F011E30B055
- F011E30B059

Dali
- F011E30D018
- F011E30D030
- F011E30D037
- F011E30D055
- F011E30D059

**4000K**
Non Dimmable
- F011E40A018
- F011E40A030
- F011E40A037
- F011E40A055
- F011E40A059

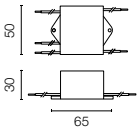
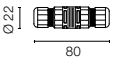
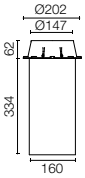
1-10V
- F011E40B018
- F011E40B030
- F011E40B037
- F011E40B055
- F011E40B059

Dali
- F011E40D018
- F011E40D030
- F011E40D037
- F011E40D055
- F011E40D059




@3000K

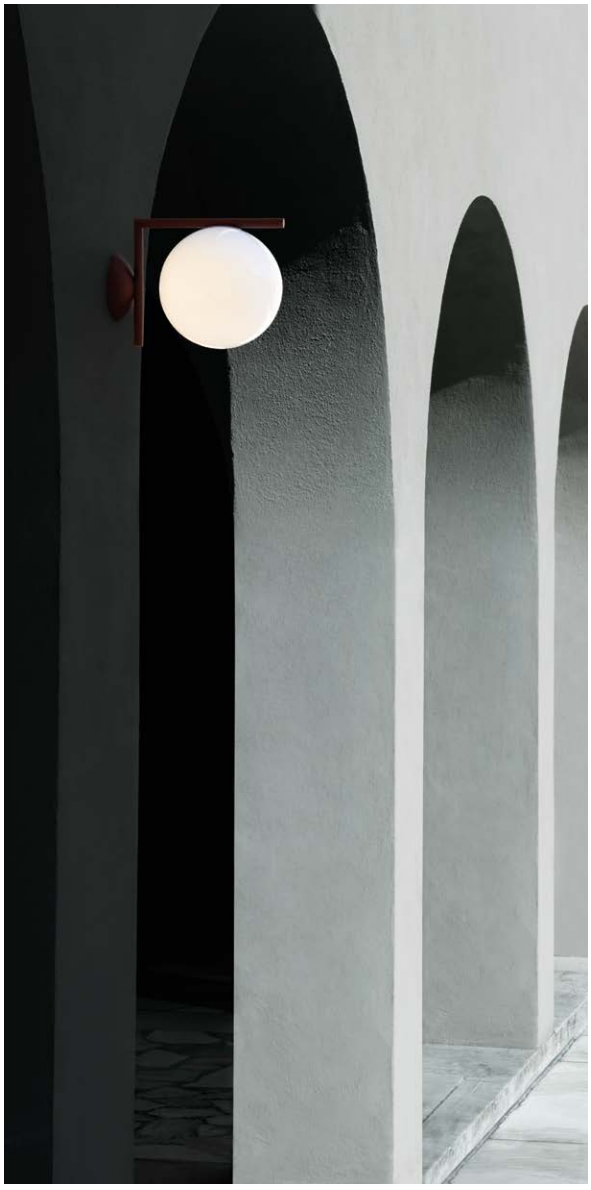
## Captain Flint Bollard

| | | | | |
|---|---|---|---|---|
| Surge protection device. 275Vac. Maximum discharge current 10KA (8/20us). Maximum operating current 5A. Suitable for series connection. IP66. | Dispositivo de protección contra sobrecargas. 275 Vac. Corriente de descarga máxima 10KA (8/20us). Corriente máxima de funcionamiento 5A. Apta para conexión en serie. IP66. | F990E00A000 | |   |
| 2 way terminal block 4 poles IP68 H2O Stop. | Bloque de terminales IP68 H2O Stop anticondensación con 2 vías y 4 polos. | F990C00A000 | |   |
| Box for ground installation. | Encofrado para instalación en suelo. | F018Z000000 | |   |

# IC Light

Designed by Michael Anastassiades

IC Lights Floor



IC Lights Wall

IC Lights Floor

## Family / Familia

IC Wall / Ceiling

**Led**
Max 8W E14

**Led**
Max 15W E27

IC Floor

**Led**
Max 8W E14

**Led**
Max 15W E27

## Colours / Colores

18 Deep Brown

30 Black

37 Burgundy Red

55 Brushed Stainless Steel

59 Brass Finish

## IC Floor Outdoor - Stone bases

30 Black/Black Lava

18 Deep Brown/Travertino Imperiale

37 Burgundy Red/Black Lava

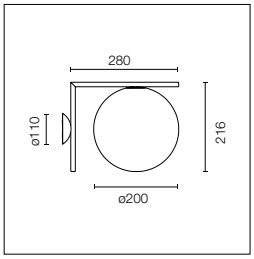
55 Brushed Stainless Steel/ Occhio di Pernice

59 Brass Finish/Grey Lava

Wall- or ceiling-mounted light fitting with diffuse light for exterior use available in two sizes. Frame in brushed stainless steel, brushed brass finish or painted opaque black or burgundy. The structure of the fitting is treated with a chemical conversion process for effective resistance to atmospheric agents. Special attention is recommended during installation and maintenance to prevent damage to the powder coating.
Opalescent diffuser in shiny white translucent blown glass. The light comes with seals for IP-rated connection. Light source with E14/E27 connection not included.

Dispositivo de iluminación de pared-plafón con luz difusa para uso externo, disponible en dos tamaños. Estructura de acero inoxidable cepillado, lacado de color negro mate o rojo borgoña. Las partes estructurales del dispositivo están tratadas con un procedimiento de conversión química con el fin de conseguir una resistencia eficiente a los agentes atmosféricos. Durante el montaje y el mantenimiento de los dispositivos, es preciso prestar especial atención a no dañar el lacado en polvo.
Difusor opalino en vidrio soplado blanco lechoso brillante. El dispositivo incluye una junta para la conexión con sellado IP. Fuente luminosa excluida conexión E14/E27.

## IC Ceiling Wall 1 Outdoor




IK 04

IP 65

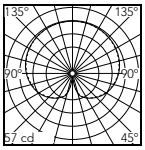
2,2 Kg

Light source excluded. Optional LED bulb sold separately. Wall mounting system contains the wiring system. Watertight cable gland included.

Fuente luminosa excluida. Led opcional bajo pedido. Sistema de cableado integrado en el soporte de pared. Pasacable estanco incluido.

**Led:** max 8W - E14 - 220-240V

- F012H00C018
- F012H00C030
- F012H00C037
- F012H00C055
- F012H00C059

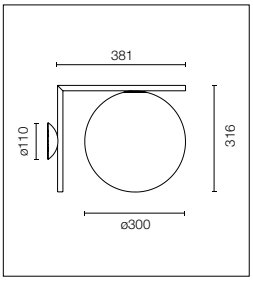



@3000K

### Accessories / Accesorios

1 x LED 8W E14 900lm 3000K cod. RF32291 [e] DIMMER
1 x LED 8W E14 900lm 2700K cod. RF32290 [e] DIMMER

## IC Ceiling Wall 2 Outdoor




IK 04

IP 65

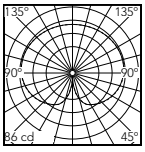
3,8 Kg

Light source excluded. Optional LED bulb sold separately. Wall mounting system contains the wiring system. Watertight cable gland included.

Fuente luminosa excluida. Led opcional bajo pedido. Sistema de cableado integrado en el soporte de pared. Pasacable estanco incluido.

**Led:** max 15W - E27 - 220-240V

- F012J00C018
- F012J00C030
- F012J00C037
- F012J00C055
- F012J00C059

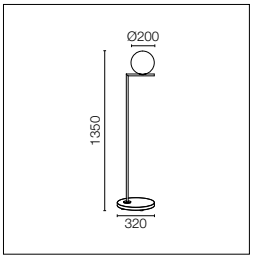



@3000K

### Accessories / Accesorios

1 x LED 15W E27 2000lm 2700K cod. RF32288 [e] DIMMER
1 x LED 15W E27 2000lm 3000K cod. RF32289 [e] DIMMER

## IC Floor 1 Outdoor



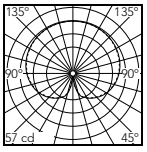

IK 04
IP 65
5,0 Kg
A+ → E

Bulb not included.
5-m cable with Schuko IP44 plug suitable for outdoor use.
Backlit floor dimmer switch on the IP65 cable enables ON/OFF function and brightness regulation 30-100% (*with dimmable LED bulb).

Fuente luminosa excluida.
Cable apto para uso en exteriores de 5 metros de longitud con clavija Schuko IP44.
Interruptor que regula la intensidad con un pedal retroiluminado IP65 a lo largo del cable que garantiza las funciones de encendido y apagado (ON/OFF) y la regulación del flujo luminoso 30-100 % (con lámpara con LED regulable en intensidad).

**Led:** max 8W - E14 - 220-240V

- F012A01C018.A
- F012A02C030.A
- F012A02C037.A
- F012A04C055.A
- F012A03C059.A

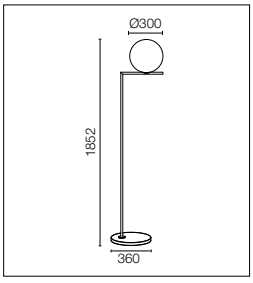


@3000K

### Accessories / Accesorios

1 x LED 8W E14 900lm 3000K cod. RF32291 [e] DIMMER
1 x LED 8W E14 900lm 2700K cod. RF32290 [e] DIMMER

## IC Floor 2 Outdoor



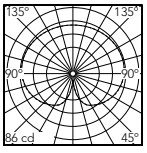

IK 04
IP 65
10,0 Kg
A+ → E

Bulb not included.
5-m cable with Schuko IP44 plug suitable for outdoor use.
Backlit floor dimmer switch on the IP65 cable enables ON/OFF function and brightness regulation 30-100% (*with dimmable LED bulb).

Fuente luminosa excluida.
Cable apto para uso en exteriores de 5 metros de longitud con clavija Schuko IP44.
Interruptor que regula la intensidad con un pedal retroiluminado IP65 a lo largo del cable que garantiza las funciones de encendido y apagado (ON/OFF) y la regulación del flujo luminoso 30-100 % (con lámpara con LED regulable en intensidad).

**Led:** max 15W - E27 - 220-240V

- F012B01C018.A
- F012B02C030.A
- F012B02C037.A
- F012B04C055.A
- F012B03C059.A



@3000K

### Accessories / Accesorios

1 x LED 15W E27 2000lm 2700K cod. RF32288 [e] DIMMER
1 x LED 15W E27 2000lm 3000K cod. RF32289 [e] DIMMER

## Caule

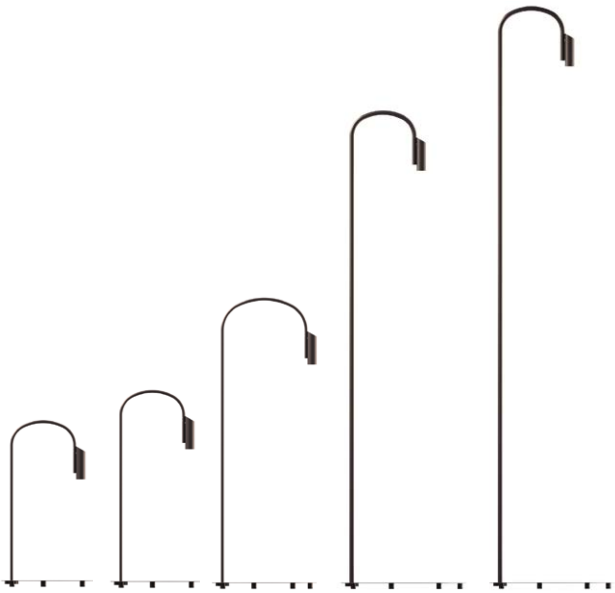
Designed by Patricia Urquiola

Caule Floor

Caule Bollard Nest

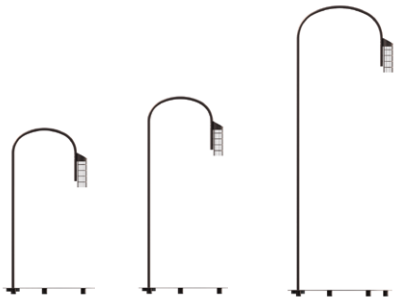
## Family / Familia

Caule Floor



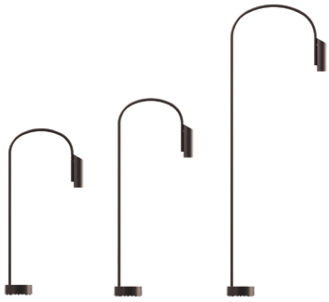
**Power Led**
5W
282 lm - 2700K/CRI 80
303 lm - 3000K/CRI 80
324 lm - 4000K/CRI 80
2200K available on request.

Caule Floor Nest



**Power Led**
5W
282 lm - 2700K/CRI 80
303 lm - 3000K/CRI 80
324 lm - 4000K/CRI 80
2200K available on request.

Caule Bollard



**Power Led**
5W
282 lm - 2700K/CRI 80
303 lm - 3000K/CRI 80
324 lm - 4000K/CRI 80
2200K available on request.

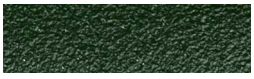
Caule Bollard Nest

**Power Led**
5W
282 lm - 2700K/CRI 80
303 lm - 3000K/CRI 80
324 lm - 4000K/CRI 80
2200K available on request.

## Colours / Colores


01 White

06 Grey


12 Forest Green

18 Deep Brown

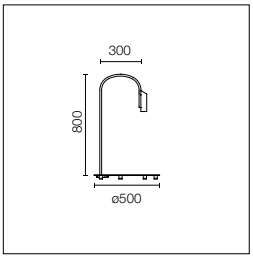
30 Black

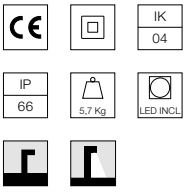
33 Anthracite

Collection of outdoor lighting units in a movable floor lamp version and a bollard version, both available in different heights.
The lamps are characterized by their soft, pliable stem. The lamp head is available in two different models: solid, for direct soft light, or with a 'nest' cover, a metallic mesh creating a unique wash of diffuse light.
The structure of the stem is made of AISI 304 stainless steel for effective resistance to atmospheric agents. The base of the movable floor version is made of AISI 304 stainless steel for and the bollard version is made of die-cast aluminium.
The lamp head, which holds the included LED light source, is made of moulded aluminium; the cover of the 'nest' version is made of a metallic mesh in AISI 316L stainless steel.
The structure is treated with a chemical conversion process for effective resistance to atmospheric agents.
The screen protecting the light source is made of sanded glass for the solid head and methacrylate for the 'nest' version.
The floor lamp version comes with 5 metres of cable appropriate for outdoor use with a Schuko IP44 and IP65 backlit pedal dimmer switch for easy ON/OFF and to adjust the amount of light.
The bollard version comes with a 200-mm length of neoprene cable and is ready for installation on any flooring.
Optional accessory (sold separately): box for installation on flooring laid over concrete.

Colección de dispositivos de iluminación para exteriores en versión lámpara de pie móvil y en versión Bollard, disponibles en varias alturas.
Se caracterizan por el diseño suave y flexible del tallo y por el cabezal disponible en dos modelos distintos: cabezal monolito para una luz directa suave y cabezal con tapa Nest de malla metálica para una luz delineada y difusa.
La estructura del tallo está hecha de acero inoxidable AISI 304 para una resistencia eficiente a los agentes atmosféricos. La base es de acero inoxidable AISI 304 para la versión lámpara de pie móvil y de aluminio fundido para la versión Bollard. El cabezal, en el que está integrada la fuente LED, es de aluminio estampado. En la versión «Nest», la tapa está hecha de malla metálica de acero inoxidable AISI 316L.
Las partes estructurales del dispositivo están tratadas con un procedimiento de conversión química con el fin de conseguir una resistencia eficiente a la corrosión de los agentes atmosféricos.
La pantalla protectora de la fuente luminosa es de vidrio arenado para el cabezal monolito, y de metacrilato transparente para la versión «Nest».
La versión lámpara de pie se completa con un cable apto para exteriores de 5 metros de longitud con clavija Schuko IP44 e interruptor regulador con pedal retroiluminado IP65, que garantiza las funciones de encendido y apagado (ON/OFF) y regulación del flujo luminoso.
La versión Bollard se suministra con un trozo cable de neopreno de 200 mm de longitud y preparado para su instalación sobre cualquier tipo de pavimento. Encofrado disponible como accesorio que puede encargar por separado para pavimentos de hormigón.

## Caule Floor 1




LED light source included. Integrated 220-240V 50-60 Hz electrical power. Cable suitable for outdoors, 5-m long with Schuko IP44 plug. IP65 backlit pedal dimmer switch on the cable for easy ON/OFF and to adjust the amount of light. 110V version upon request. Integrated dimmer control switch (on the cable) Casambi function on demand.

2200K available on request.

Fuente luminosa LED incluida. Alimentación eléctrica integrada 220-240V 50-60 Hz. Cable apto para exteriores de 5 metros de longitud con clavija Schuko IP44 . Interruptor regulador con pedal retroiluminado IP65, que garantiza las funciones de encendido y apagado (ON/OFF) y regulación del flujo luminoso. Versión 110V bajo pedido. Regulador Control Switch integrado (en el cable). Función Casambi bajo pedido.

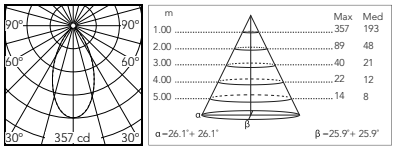
2200K disponible bajo pedido.

**Power Led:** 5W - 447 lm ≠ FIXT 282 lm - 2700K/CRI 80 - 220-240V / 5W - 480 lm ≠ FIXT 303 lm - 3000K/CRI 80 - 220-240V / 5W - 513 lm ≠ FIXT 324 lm - 4000K/CRI 80 - 220-240V

**2700K**
- ○ F016M21K001.A
- ● F016M21K006.A
- ● F016M21K012.A
- ● F016M21K018.A
- ● F016M21K030.A
- ● F016M21K033.A

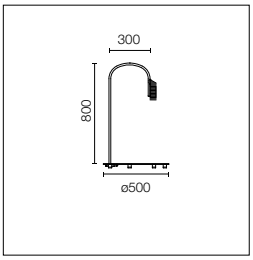
**3000K**
- ○ F016M31K001.A
- ● F016M31K006.A
- ● F016M31K012.A
- ● F016M31K018.A
- ● F016M31K030.A
- ● F016M31K033.A

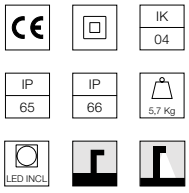
**4000K**
- ○ F016M41K001.A
- ● F016M41K006.A
- ● F016M41K012.A
- ● F016M41K018.A
- ● F016M41K030.A
- ● F016M41K033.A




@3000K

## Caule Floor 1 Nest




LED light source included. Integrated 220-240V 50-60 Hz electrical power. Cable suitable for outdoors, 5-m long with Schuko IP44 plug. IP65 backlit pedal dimmer switch on the cable for easy ON/OFF and to adjust the amount of light. 110V version upon request. Integrated dimmer control switch (on the cable) Casambi function on demand.

2200K available on request.

Fuente luminosa LED incluida. Alimentación eléctrica integrada 220-240V 50-60 Hz. Cable apto para exteriores de 5 metros de longitud con clavija Schuko IP44 . Interruptor regulador con pedal retroiluminado IP65, que garantiza las funciones de encendido y apagado (ON/OFF) y regulación del flujo luminoso. Versión 110V bajo pedido. Regulador Control Switch integrado (en el cable). Función Casambi bajo pedido.

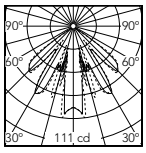
2200K disponible bajo pedido.

**Power Led:** 5W - 447 lm ≠ FIXT 124 lm - 2700K/CRI 80 - 220-240V / 5W - 480 lm ≠ FIXT 137 lm - 3000K/CRI 80 - 220-240V / 5W - 513 lm ≠ FIXT 143 lm - 4000K/CRI 80 - 220-240V

**2700K**
- ○ F016N21K001.A
- ● F016N21K006.A
- ● F016N21K012.A
- ● F016N21K018.A
- ● F016N21K030.A
- ● F016N21K033.A

**3000K**
- ○ F016N31K001.A
- ● F016N31K006.A
- ● F016N31K012.A
- ● F016N31K018.A
- ● F016N31K030.A
- ● F016N31K033.A

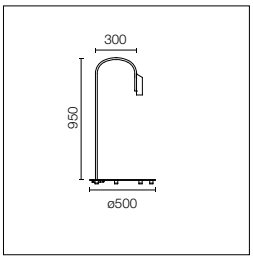
**4000K**
- ○ F016N41K001.A
- ● F016N41K006.A
- ● F016N41K012.A
- ● F016N41K018.A
- ● F016N41K030.A
- ● F016N41K033.A




@3000K

| h(m) | E(lx) | D(m) |
|---|---|---|
| 1 | 111 | 0.40 |
| 2 | 28 | 0.80 |
| 3 | 12 | 1.20 |
| 4 | 7 | 1.60 |
| 5 | 4 | 2.01 |

## Caule Floor 2




IK 04 · IP 66 · 5,8 Kg · LED INCL

LED light source included. Integrated 220-240V 50-60 Hz electrical power. Cable suitable for outdoors, 5-m long with Schuko IP44 plug. IP65 backlit pedal dimmer switch on the cable for easy ON/OFF and to adjust the amount of light. 110V version upon request. Integrated dimmer control switch (on the cable) Casambi function on demand.

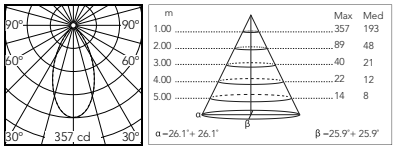
2200K available on request.

Fuente luminosa LED incluida. Alimentación eléctrica integrada 220-240V 50-60 Hz. Cable apto para exteriores de 5 metros de longitud con clavija Schuko IP44 . Interruptor regulador con pedal retroiluminado IP65, que garantiza las funciones de encendido y apagado (ON/OFF) y regulación del flujo luminoso. Versión 110V bajo pedido. Regulador Control Switch integrado (en el cable). Función Casambi bajo pedido.

2200K disponible bajo pedido.

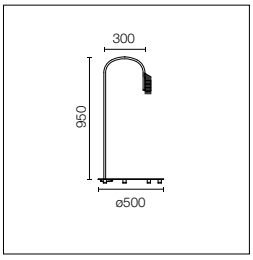
**Power Led:** 5W - 447 lm ≠ FIXT 282 lm - 2700K/CRI 80 - 220-240V / 5W - 480 lm ≠ FIXT 303 lm - 3000K/CRI 80 - 220-240V / 5W - 513 lm ≠ FIXT 324 lm - 4000K/CRI 80 - 220-240V

| 2700K | 3000K | 4000K |
|---|---|---|
| F016M22K001.A | F016M32K001.A | F016M42K001.A |
| F016M22K006.A | F016M32K006.A | F016M42K006.A |
| F016M22K012.A | F016M32K012.A | F016M42K012.A |
| F016M22K018.A | F016M32K018.A | F016M42K018.A |
| F016M22K030.A | F016M32K030.A | F016M42K030.A |
| F016M22K033.A | F016M32K033.A | F016M42K033.A |




@3000K

## Caule Floor 2 Nest




IK 04 · IP 65 · IP 66 · 5,8 Kg · LED INCL

LED light source included. Integrated 220-240V 50-60 Hz electrical power. Cable suitable for outdoors, 5-m long with Schuko IP44 plug. IP65 backlit pedal dimmer switch on the cable for easy ON/OFF and to adjust the amount of light. 110V version upon request. Integrated dimmer control switch (on the cable) Casambi function on demand.

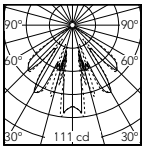
2200K available on request.

Fuente luminosa LED incluida. Alimentación eléctrica integrada 220-240V 50-60 Hz. Cable apto para exteriores de 5 metros de longitud con clavija Schuko IP44 . Interruptor regulador con pedal retroiluminado IP65, que garantiza las funciones de encendido y apagado (ON/OFF) y regulación del flujo luminoso. Versión 110V bajo pedido. Regulador Control Switch integrado (en el cable). Función Casambi bajo pedido.

2200K disponible bajo pedido.

**Power Led:** 5W - 447 lm ≠ FIXT 124 lm - 2700K/CRI 80 - 220-240V / 5W - 480 lm ≠ FIXT 137 lm - 3000K/CRI 80 - 220-240V / 5W - 513 lm ≠ FIXT 143 lm - 4000K/CRI 80 - 220-240V

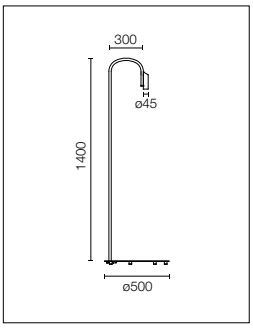
| 2700K | 3000K | 4000K |
|---|---|---|
| F016N22K001.A | F016N32K001.A | F016N42K001.A |
| F016N22K006.A | F016N32K006.A | F016N42K006.A |
| F016N22K012.A | F016N32K012.A | F016N42K012.A |
| F016N22K018.A | F016N32K018.A | F016N42K018.A |
| F016N22K030.A | F016N32K030.A | F016N42K030.A |
| F016N22K033.A | F016N32K033.A | F016N42K033.A |

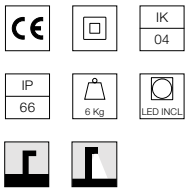



| h(m) | E(lx) | D(m) |
|---|---|---|
| 1 | 111 | 0.40 |
| 2 | 28 | 0.80 |
| 3 | 12 | 1.20 |
| 4 | 7 | 1.60 |
| 5 | 4 | 2.01 |

@3000K

## Caule Floor 3




LED light source included. Integrated 220-240V 50-60 Hz electrical power. Cable suitable for outdoors, 5-m long with Schuko IP44 plug. IP65 backlit pedal dimmer switch on the cable for easy ON/OFF and to adjust the amount of light. 110V version upon request. Integrated dimmer control switch (on the cable) Casambi function on demand.

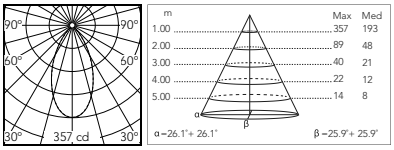
2200K available on request.

Fuente luminosa LED incluida. Alimentación eléctrica integrada 220-240V 50-60 Hz. Cable apto para exteriores de 5 metros de longitud con clavija Schuko IP44 . Interruptor regulador con pedal retroiluminado IP65, que garantiza las funciones de encendido y apagado (ON/OFF) y regulación del flujo luminoso. Versión 110V bajo pedido. Regulador Control Switch integrado (en el cable). Función Casambi bajo pedido.

2200K disponible bajo pedido.

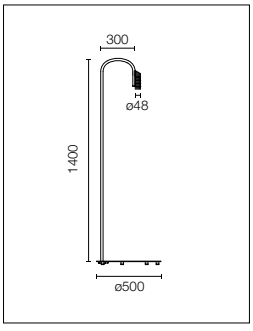
**Power Led:** 5W - 447 lm ≠ FIXT 282 lm - 2700K/CRI 80 - 220-240V / 5W - 480 lm ≠ FIXT 303 lm - 3000K/CRI 80 - 220-240V / 5W - 513 lm ≠ FIXT 324 lm - 4000K/CRI 80 - 220-240V

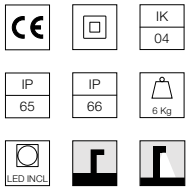
| 2700K | 3000K | 4000K |
|---|---|---|
| F016M23K001.A | F016M33K001.A | F016M43K001.A |
| F016M23K006.A | F016M33K006.A | F016M43K006.A |
| F016M23K012.A | F016M33K012.A | F016M43K012.A |
| F016M23K018.A | F016M33K018.A | F016M43K018.A |
| F016M23K030.A | F016M33K030.A | F016M43K030.A |
| F016M23K033.A | F016M33K033.A | F016M43K033.A |




@3000K

## Caule Floor 3 Nest




LED light source included. Integrated 220-240V 50-60 Hz electrical power. Cable suitable for outdoors, 5-m long with Schuko IP44 plug. IP65 backlit pedal dimmer switch on the cable for easy ON/OFF and to adjust the amount of light. 110V version upon request. Integrated dimmer control switch (on the cable) Casambi function on demand.

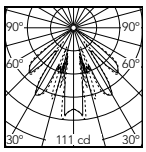
2200K available on request.

Fuente luminosa LED incluida. Alimentación eléctrica integrada 220-240V 50-60 Hz. Cable apto para exteriores de 5 metros de longitud con clavija Schuko IP44 . Interruptor regulador con pedal retroiluminado IP65, que garantiza las funciones de encendido y apagado (ON/OFF) y regulación del flujo luminoso. Versión 110V bajo pedido. Regulador Control Switch integrado (en el cable). Función Casambi bajo pedido.

2200K disponible bajo pedido.

**Power Led:** 5W - 447 lm ≠ FIXT 124 lm - 2700K/CRI 80 - 220-240V / 5W - 480 lm ≠ FIXT 137 lm - 3000K/CRI 80 - 220-240V / 5W - 513 lm ≠ FIXT 143 lm - 4000K/CRI 80 - 220-240V

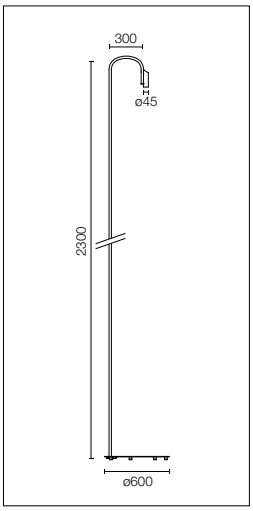
| 2700K | 3000K | 4000K |
|---|---|---|
| F016N23K001.A | F016N33K001.A | F016N43K001.A |
| F016N23K006.A | F016N33K006.A | F016N43K006.A |
| F016N23K012.A | F016N33K012.A | F016N43K012.A |
| F016N23K018.A | F016N33K018.A | F016N43K018.A |
| F016N23K030.A | F016N33K030.A | F016N43K030.A |
| F016N23K033.A | F016N33K033.A | F016N43K033.A |

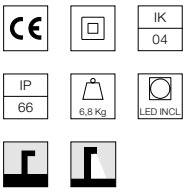



| h(m) | E(lx) | D(m) |
|---|---|---|
| 1 | 111 | 0.40 |
| 2 | 28 | 0.80 |
| 3 | 12 | 1.20 |
| 4 | 7 | 1.60 |
| 5 | 4 | 2.01 |

@3000K

## Caule Floor 4




LED light source included. Integrated 220-240V 50-60 Hz electrical power. Cable suitable for outdoors, 5-m long with Schuko IP44 plug. IP65 backlit pedal dimmer switch on the cable for easy ON/OFF and to adjust the amount of light. 110V version upon request. Integrated dimmer control switch (on the cable) Casambi function on demand.

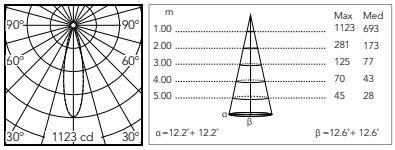
2200K available on request.

Fuente luminosa LED incluida. Alimentación eléctrica integrada 220-240V 50-60 Hz. Cable apto para exteriores de 5 metros de longitud con clavija Schuko IP44 . Interruptor regulador con pedal retroiluminado IP65, que garantiza las funciones de encendido y apagado (ON/OFF) y regulación del flujo luminoso. Versión 110V bajo pedido. Regulador Control Switch integrado (en el cable). Función Casambi bajo pedido.

2200K disponible bajo pedido.

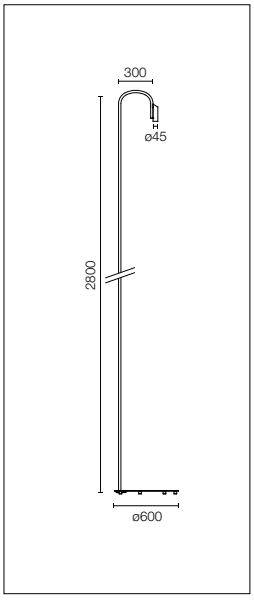
**Power Led:** 5W - 447 lm ≠ FIXT 245 lm - 2700K/CRI 80 - 220-240V / 5W - 480 lm ≠ FIXT 263 lm - 3000K/CRI 80 - 220-240V / 5W - 513 lm ≠ FIXT 281 lm - 4000K/CRI 80 - 220-240V

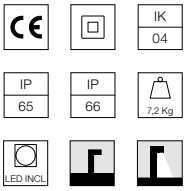
| 2700K | 3000K | 4000K |
|---|---|---|
| ○ F016M24K001.A | ○ F016M34K001.A | ○ F016M44K001.A |
| ● F016M24K006.A | ● F016M34K006.A | ● F016M44K006.A |
| ● F016M24K012.A | ● F016M34K012.A | ● F016M44K012.A |
| ● F016M24K018.A | ● F016M34K018.A | ● F016M44K018.A |
| ● F016M24K030.A | ● F016M34K030.A | ● F016M44K030.A |
| ● F016M24K033.A | ● F016M34K033.A | ● F016M44K033.A |




@3000K

## Caule Floor 5




LED light source included. Integrated 220-240V 50-60 Hz electrical power. Cable suitable for outdoors, 5-m long with Schuko IP44 plug. IP65 backlit pedal dimmer switch on the cable for easy ON/OFF and to adjust the amount of light. 110V version upon request. Integrated dimmer control switch (on the cable) Casambi function on demand.

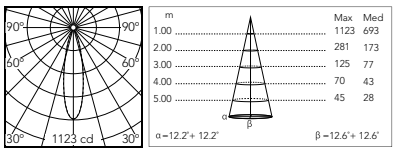
2200K available on request.

Fuente luminosa LED incluida. Alimentación eléctrica integrada 220-240V 50-60 Hz. Cable apto para exteriores de 5 metros de longitud con clavija Schuko IP44 . Interruptor regulador con pedal retroiluminado IP65, que garantiza las funciones de encendido y apagado (ON/OFF) y regulación del flujo luminoso. Versión 110V bajo pedido. Regulador Control Switch integrado (en el cable). Función Casambi bajo pedido.

2200K disponible bajo pedido.

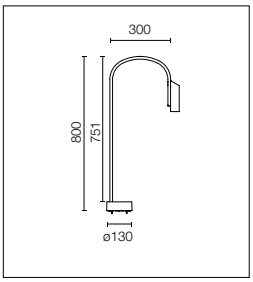
**Power Led:** 5W - 447 lm ≠ FIXT 245 lm - 2700K/CRI 80 - 220-240V / 5W - 480 lm ≠ FIXT 263 lm - 3000K/CRI 80 - 220-240V / 5W - 513 lm ≠ FIXT 281 lm - 4000K/CRI 80 - 220-240V

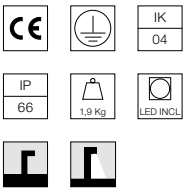
| 2700K | 3000K | 4000K |
|---|---|---|
| ○ F016M25K001.A | ○ F016M35K001.A | ○ F016M45K001.A |
| ● F016M25K006.A | ● F016M35K006.A | ● F016M45K006.A |
| ● F016M25K012.A | ● F016M35K012.A | ● F016M45K012.A |
| ● F016M25K018.A | ● F016M35K018.A | ● F016M45K018.A |
| ● F016M25K030.A | ● F016M35K030.A | ● F016M45K030.A |
| ● F016M25K033.A | ● F016M35K033.A | ● F016M45K033.A |




@3000K

## Caule Bollard 1




LED light source included. Integrated 220-240V ON/OFF or dimmable electrical power. The device may be installed on any flooring with anchors. Box for installation on flooring laid over concrete sold separately.
110V version upon request.

2200K available on request.

Fuente luminosa incluida. Alimentación eléctrica ON/OFF o regulable 220-240V integrada. El aparato puede instalarse en cualquier suelo mediante tacos. Encofrado disponible como accesorio que puede encargar por separado para pavimentos de hormigón.
Versión 110V bajo pedido.

2200K disponible bajo pedido.

**Power Led:** 5W - 447 lm ≠ FIXT 282 lm - 2700K/CRI 80 - 220-240V / 5W - 480 lm ≠ FIXT 303 lm - 3000K/CRI 80 - 220-240V / 5W - 513 lm ≠ FIXT 324 lm - 4000K/CRI 80 - 220-240V

**2700K**
Non Dimmable
- ○ F016A21A001
- ● F016A21A006
- ● F016A21A012
- ● F016A21A018
- ● F016A21A030
- ● F016A21A033

1-10V
- ○ F016A21B001
- ● F016A21B006
- ● F016A21B012
- ● F016A21B018
- ● F016A21B030
- ● F016A21B033

Dali
- ○ F016A21D001
- ● F016A21D006
- ● F016A21D012
- ● F016A21D018
- ● F016A21D030
- ● F016A21D033

**3000K**
Non Dimmable
- ○ F016A31A001
- ● F016A31A006
- ● F016A31A012
- ● F016A31A018
- ● F016A31A030
- ● F016A31A033

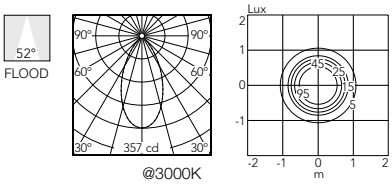
1-10V
- ○ F016A31B001
- ● F016A31B006
- ● F016A31B012
- ● F016A31B018
- ● F016A31B030
- ● F016A31B033

Dali
- ○ F016A31D001
- ● F016A31D006
- ● F016A31D012
- ● F016A31D018
- ● F016A31D030
- ● F016A31D033

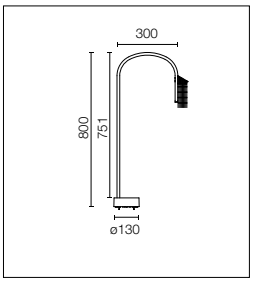
**4000K**
Non Dimmable
- ○ F016A41A001
- ● F016A41A006
- ● F016A41A012
- ● F016A41A018
- ● F016A41A030
- ● F016A41A033

1-10V
- ○ F016A41B001
- ● F016A41B006
- ● F016A41B012
- ● F016A41B018
- ● F016A41B030
- ● F016A41B033

Dali
- ○ F016A41D001
- ● F016A41D006
- ● F016A41D012
- ● F016A41D018
- ● F016A41D030
- ● F016A41D033



## Caule Bollard 1 Nest




IK 04

IP 66

1,9 Kg

LED INCL

LED light source included. Integrated 220-240V ON/OFF or dimmable electrical power. The device may be installed on any flooring with anchors. Box for installation on flooring laid over concrete sold separately.
110V version upon request.

2200K available on request.

Fuente luminosa incluida. Alimentación eléctrica ON/OFF o regulable 220-240V integrada. El aparato puede instalarse en cualquier suelo mediante tacos. Encofrado disponible como accesorio que puede encargar por separado para pavimentos de hormigón.
Versión 110V bajo pedido.

2200K disponible bajo pedido.

**Power Led:** 5W - 447 lm ≠ FIXT 124 lm - 2700K/CRI 80 - 220-240V / 5W - 480 lm ≠ FIXT 137 lm - 3000K/CRI 80 - 220-240V / 5W - 513 lm ≠ FIXT 143 lm - 4000K/CRI 80 - 220-240V

**2700K**
Non Dimmable
- ○ F016B21A001
- ● F016B21A006
- ● F016B21A012
- ● F016B21A018
- ● F016B21A030
- ● F016B21A033

1-10V
- ○ F016B21B001
- ● F016B21B006
- ● F016B21B012
- ● F016B21B018
- ● F016B21B030
- ● F016B21B033

Dali
- ○ F016B21D001
- ● F016B21D006
- ● F016B21D012
- ● F016B21D018
- ● F016B21D030
- ● F016B21D033

**3000K**
Non Dimmable
- ○ F016B31A001
- ● F016B31A006
- ● F016B31A012
- ● F016B31A018
- ● F016B31A030
- ● F016B31A033

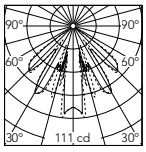
1-10V
- ○ F016B31B001
- ● F016B31B006
- ● F016B31B012
- ● F016B31B018
- ● F016B31B030
- ● F016B31B033

Dali
- ○ F016B31D001
- ● F016B31D006
- ● F016B31D012
- ● F016B31D018
- ● F016B31D030
- ● F016B31D033

**4000K**
Non Dimmable
- ○ F016B41A001
- ● F016B41A006
- ● F016B41A012
- ● F016B41A018
- ● F016B41A030
- ● F016B41A033

1-10V
- ○ F016B41B001
- ● F016B41B006
- ● F016B41B012
- ● F016B41B018
- ● F016B41B030
- ● F016B41B033

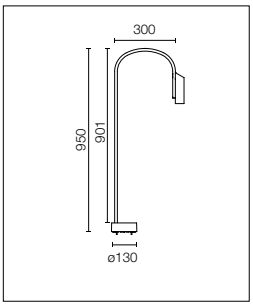
Dali
- ○ F016B41D001
- ● F016B41D006
- ● F016B41D012
- ● F016B41D018
- ● F016B41D030
- ● F016B41D033

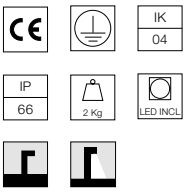



@3000K

| h(m) | E(lx) | D(m) |
|---|---|---|
| 1 | 111 | 0.40 |
| 2 | 28 | 0.80 |
| 3 | 12 | 1.20 |
| 4 | 7 | 1.60 |
| 5 | 4 | 2.01 |

## Caule Bollard 2




LED light source included. Integrated 220-240V ON/OFF or dimmable electrical power. The device may be installed on any flooring with anchors. Box for installation on flooring laid over concrete sold separately.
110V version upon request.

2200K available on request.

Fuente luminosa incluida. Alimentación eléctrica ON/OFF o regulable 220-240V integrada. El aparato puede instalarse en cualquier suelo mediante tacos. Encofrado disponible como accesorio que puede encargar por separado para pavimentos de hormigón.
Versión 110V bajo pedido.

2200K disponible bajo pedido.

**Power Led:** 5W - 447 lm ≠ FIXT 282 lm - 2700K/CRI 80 - 220-240V / 5W - 480 lm ≠ FIXT 303 lm - 3000K/CRI 80 - 220-240V / 5W - 513 lm ≠ FIXT 324 lm - 4000K/CRI 80 - 220-240V

**2700K**
Non Dimmable
- F016A22A001
- F016A22A006
- F016A22A012
- F016A22A018
- F016A22A030
- F016A22A033

1-10V
- F016A22B001
- F016A22B006
- F016A22B012
- F016A22B018
- F016A22B030
- F016A22B033

Dali
- F016A22D001
- F016A22D006
- F016A22D012
- F016A22D018
- F016A22D030
- F016A22D033

**3000K**
Non Dimmable
- F016A32A001
- F016A32A006
- F016A32A012
- F016A32A018
- F016A32A030
- F016A32A033

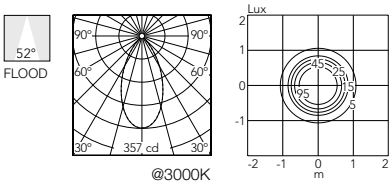
1-10V
- F016A32B001
- F016A32B006
- F016A32B012
- F016A32B018
- F016A32B030
- F016A32B033

Dali
- F016A32D001
- F016A32D006
- F016A32D012
- F016A32D018
- F016A32D030
- F016A32D033

**4000K**
Non Dimmable
- F016A42A001
- F016A42A006
- F016A42A012
- F016A42A018
- F016A42A030
- F016A42A033

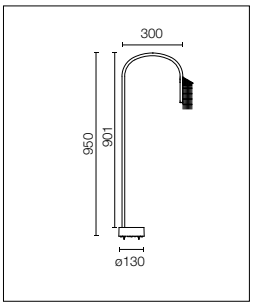
1-10V
- F016A42B001
- F016A42B006
- F016A42B012
- F016A42B018
- F016A42B030
- F016A42B033

Dali
- F016A42D001
- F016A42D006
- F016A42D012
- F016A42D018
- F016A42D030
- F016A42D033




@3000K

## Caule Bollard 2 Nest




IK 04

IP 66

1,9 Kg

LED INCL

LED light source included. Integrated 220-240V ON/OFF or dimmable electrical power. The device may be installed on any flooring with anchors. Box for installation on flooring laid over concrete sold separately.
110V version upon request.

2200K available on request.

Fuente luminosa incluida. Alimentación eléctrica ON/OFF o regulable 220-240V integrada. El aparato puede instalarse en cualquier suelo mediante tacos. Encofrado disponible como accesorio que puede encargar por separado para pavimentos de hormigón.
Versión 110V bajo pedido.

2200K disponible bajo pedido.

**Power Led:** 5W - 447 lm ≠ FIXT 124 lm - 2700K/CRI 80 - 220-240V / 5W - 480 lm ≠ FIXT 137 lm - 3000K/CRI 80 - 220-240V / 5W - 513 lm ≠ FIXT 143 lm - 4000K/CRI 80 - 220-240V

**2700K**
Non Dimmable
- F016B22A001
- F016B22A006
- F016B22A012
- F016B22A018
- F016B22A030
- F016B22A033

1-10V
- F016B22B001
- F016B22B006
- F016B22B012
- F016B22B018
- F016B22B030
- F016B22B033

Dali
- F016B22D001
- F016B22D006
- F016B22D012
- F016B22D018
- F016B22D030
- F016B22D033

**3000K**
Non Dimmable
- F016B32A001
- F016B32A006
- F016B32A012
- F016B32A018
- F016B32A030
- F016B32A033

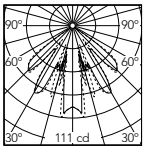
1-10V
- F016B32B001
- F016B32B006
- F016B32B012
- F016B32B018
- F016B32B030
- F016B32B033

Dali
- F016B32D001
- F016B32D006
- F016B32D012
- F016B32D018
- F016B32D030
- F016B32D033

**4000K**
Non Dimmable
- F016B42A001
- F016B42A006
- F016B42A012
- F016B42A018
- F016B42A030
- F016B42A033

1-10V
- F016B42B001
- F016B42B006
- F016B42B012
- F016B42B018
- F016B42B030
- F016B42B033

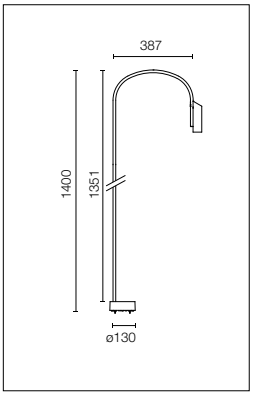
Dali
- F016B42D001
- F016B42D006
- F016B42D012
- F016B42D018
- F016B42D030
- F016B42D033

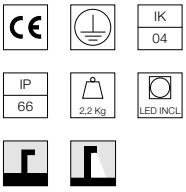



@3000K

| h(m) | E(lx) | D(m) |
|---|---|---|
| 1 | 111 | 0.40 |
| 2 | 28 | 0.80 |
| 3 | 12 | 1.20 |
| 4 | 7 | 1.60 |
| 5 | 4 | 2.01 |

## Caule Bollard 3




LED light source included. Integrated 220-240V ON/OFF or dimmable electrical power. The device may be installed on any flooring with anchors. Box for installation on flooring laid over concrete sold separately.
110V version upon request.

2200K available on request.

Fuente luminosa incluida. Alimentación eléctrica ON/OFF o regulable 220-240V integrada. El aparato puede instalarse en cualquier suelo mediante tacos. Encofrado disponible como accesorio que puede encargar por separado para pavimentos de hormigón.
Versión 110V bajo pedido.

2200K disponible bajo pedido.

**Power Led:** 5W - 447 lm ≠ FIXT 282 lm - 2700K/CRI 80 - 220-240V / 5W - 480 lm ≠ FIXT 303 lm - 3000K/CRI 80 - 220-240V / 5W - 513 lm ≠ FIXT 324 lm - 4000K/CRI 80 - 220-240V

**2700K**
Non Dimmable
- ○ F016A23A001
- ● F016A23A006
- ● F016A23A012
- ● F016A23A018
- ● F016A23A030
- ● F016A23A033

1-10V
- ○ F016A23B001
- ● F016A23B006
- ● F016A23B012
- ● F016A23B018
- ● F016A23B030
- ● F016A23B033

Dali
- ○ F016A23D001
- ● F016A23D006
- ● F016A23D012
- ● F016A23D018
- ● F016A23D030
- ● F016A23D033

**3000K**
Non Dimmable
- ○ F016A33A001
- ● F016A33A006
- ● F016A33A012
- ● F016A33A018
- ● F016A33A030
- ● F016A33A033

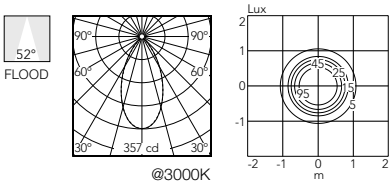
1-10V
- ○ F016A33B001
- ● F016A33B006
- ● F016A33B012
- ● F016A33B018
- ● F016A33B030
- ● F016A33B033

Dali
- ○ F016A33D001
- ● F016A33D006
- ● F016A33D012
- ● F016A33D018
- ● F016A33D030
- ● F016A33D033

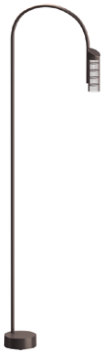
**4000K**
Non Dimmable
- ○ F016A43A001
- ● F016A43A006
- ● F016A43A012
- ● F016A43A018
- ● F016A43A030
- ● F016A43A033

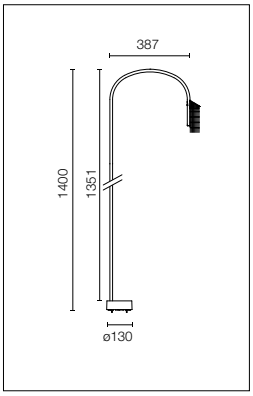
1-10V
- ○ F016A43B001
- ● F016A43B006
- ● F016A43B012
- ● F016A43B018
- ● F016A43B030
- ● F016A43B033

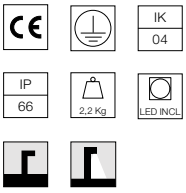
Dali
- ○ F016A43D001
- ● F016A43D006
- ● F016A43D012
- ● F016A43D018
- ● F016A43D030
- ● F016A43D033



## Caule Bollard 3 Nest






LED light source included. Integrated 220-240V ON/OFF or dimmable electrical power. The device may be installed on any flooring with anchors. Box for installation on flooring laid over concrete sold separately.
110V version upon request.

2200K available on request.

Fuente luminosa incluida. Alimentación eléctrica ON/OFF o regulable 220-240V integrada. El aparato puede instalarse en cualquier suelo mediante tacos. Encofrado disponible como accesorio que puede encargar por separado para pavimentos de hormigón.
Versión 110V bajo pedido.

2200K disponible bajo pedido.

**Power Led:** 5W - 447 lm ≠ FIXT 124 lm - 2700K/CRI 80 - 220-240V / 5W - 480 lm ≠ FIXT 137 lm - 3000K/CRI 80 - 220-240V / 5W - 513 lm ≠ FIXT 143 lm - 4000K/CRI 80 - 220-240V

**2700K**
Non Dimmable
- F016B23A001
- F016B23A006
- F016B23A012
- F016B23A018
- F016B23A030
- F016B23A033

1-10V
- F016B23B001
- F016B23B006
- F016B23B012
- F016B23B018
- F016B23B030
- F016B23B033

Dali
- F016B23D001
- F016B23D006
- F016B23D012
- F016B23D018
- F016B23D030
- F016B23D033

**3000K**
Non Dimmable
- F016B33A001
- F016B33A006
- F016B33A012
- F016B33A018
- F016B33A030
- F016B33A033

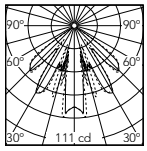
1-10V
- F016B33B001
- F016B33B006
- F016B33B012
- F016B33B018
- F016B33B030
- F016B33B033

Dali
- F016B33D001
- F016B33D006
- F016B33D012
- F016B33D018
- F016B33D030
- F016B33D033

**4000K**
Non Dimmable
- F016B43A001
- F016B43A006
- F016B43A012
- F016B43A018
- F016B43A030
- F016B43A033

1-10V
- F016B43B001
- F016B43B006
- F016B43B012
- F016B43B018
- F016B43B030
- F016B43B033

Dali
- F016B43D001
- F016B43D006
- F016B43D012
- F016B43D018
- F016B43D030
- F016B43D033




@3000K

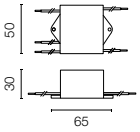
| h(m) | E(lx) | D(m) |
|---|---|---|
| 1 | 111 | 0.40 |
| 2 | 28 | 0.80 |
| 3 | 12 | 1.20 |
| 4 | 7 | 1.60 |
| 5 | 4 | 2.01 |

## Caule: Accessories / Accesorios

Surge protection device. 275Vac. Maximum discharge current 10KA (8/20us). Maximum operating current 5A. Suitable for series connection. IP66.

Dispositivo de protección contra sobrecargas. 275 Vac. Corriente de descarga máxima 10KA (8/20us). Corriente máxima de funcionamiento 5A. Apta para conexión en serie. IP66.

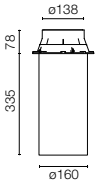
F990E00A000




Box for ground installation.

Caja para instalación en el suelo.

F016Z000000



# Flauta

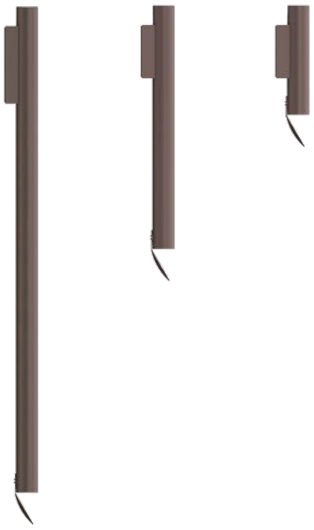
Designed by Patricia Urquiola

Flauta Spiga 3

Flauta Spiga 1

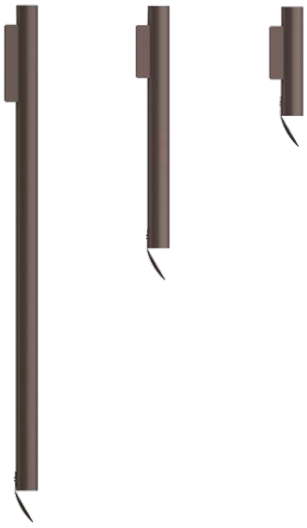
## Family / Familia

Flauta Riga



**Power Led**
12W
2x347 lm - 2700K/CRI 80
2x372 lm - 3000K/CRI 80
2x398 lm - 4000K/CRI 80
2200K available on request.

Flauta Spiga

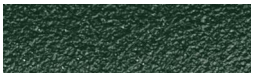


**Power Led**
12W
2x347 lm - 2700K/CRI 80
2x372 lm - 3000K/CRI 80
2x398 lm - 4000K/CRI 80
2200K available on request.

## Colours / Colores


01 White

06 Grey


12 Forest Green

18 Deep Brown

30 Black

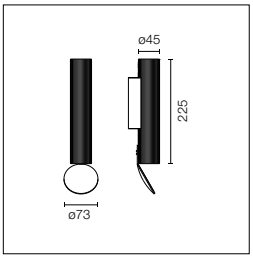
33 Anthracite

## Description / Descripción

Collection of outdoor wall-mounted light fittings with dual light emission, available in various lengths.
The units are characterised by the surface etching in two refined variations: Flauta Riga, with vertical lines, and Flauta Spiga, characterized by an elegant and sophisticated angular pattern.
Rounding out the device is a deflector accessory painted to match the finish of the lamp body. It can be installed as desired on the upper or lower head to create a decorative effect with reflected light.
The structure is made of aluminium treated with a chemical conversion process for effective resistance to atmospheric agents. The powder coating of the body is available in various finishes according to the QUALICOAT standard. The first layer of epoxy powder confers chemical and mechanical resistance. The second layer, a polyester powder finish, ensures resistance to UV rays and corrosive atmospheric agents. The painted surfaces are treated with alkiline and acid washes, rinsed with demineralised water, and subjected to chemical conversion treatment to protect against rust.
Diffuser in transparent glass, sealed to guarantee water resistance.
Integrated LED light source. Driver integrated in the body of the unit for DALI dimmer control.

Colección de dispositivos de iluminación de exteriores para pared de doble emisión luminosa, disponibles en tres longitudes diferentes.
Los dispositivos se caracterizan por el grabado de la superficie que se aplica en dos refinadas variantes: Flauta Riga, con incisiones verticales, y Flauta Spiga, caracterizada por una elegante y sofisticada textura oblicua.
Un accesorio deflector, lacado con el mismo acabado del cuerpo de la lámpara, se puede instalar según se desee en el cabezal superior o en el inferior para crear un efecto decorativo de luz refleja.
Las partes estructurales de la luminaria están hechas de aluminio tratado con un proceso de conversión química para garantizar una resistencia eficiente a los agentes atmosféricos. El cuerpo tiene un recubrimiento con polvo y está disponible en varios acabados según la norma QUALICOAT. La primera capa de  polvo epoxídico proporciona resistencia química y mecánica; la segunda capa de acabado en polvo de poliéster garantiza la resistencia a los rayos UV y a los agentes atmosféricos corrosivos. Las superficies lacadas están tratadas con lavados alcalinos y ácidos, enjuagadas con agua desmineralizada y sometidas a un tratamiento de conversión química para protegerlas contra la oxidación.
Difusor en vidrio transparente siliconado para garantizar la impermeabilidad.
Fuente luminosa de LED integrada. Driver integrado en el cuerpo de la luminaria para el control regulable DALI.

## Flauta Riga 1




IK 04 · IP 65 · 0,6 Kg · LED INCL

LED light source included.
Integrated 220-240V electrical power with DALI dimmer.
Comes with deflector for optional installation on the upper or lower head.
110V version available by request.

2200K available on request.

Fuente luminosa de LED incluida. Fuente de alimentación integrada regulable DALI de 220-240V. Se complementa con un deflector para montaje opcional en el cabezal superior o inferior.
Versión de 110V bajo pedido.

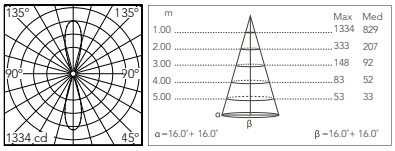
2200K disponible bajo pedido.

**Power Led:** 12W - 2x555 lm ≠ FIXT 2x347 lm - 2700K/CRI 80 - 220-240V / 12W - 2x597 lm ≠ FIXT 2x372 lm - 3000K/CRI 80 - 220-240V / 12W - 2x638 lm ≠ FIXT 2x398 lm - 4000K/CRI 80 - 220-240V

**2700K**
- F019A21D001
- F019A21D006
- F019A21D012
- F019A21D018
- F019A21D030
- F019A21D033

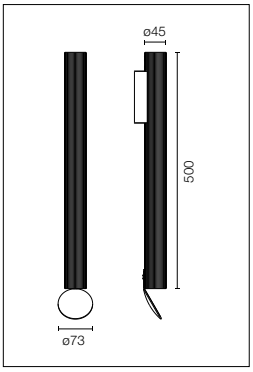
**3000K**
- F019A31D001
- F019A31D006
- F019A31D012
- F019A31D018
- F019A31D030
- F019A31D033

**4000K**
- F019A41D001
- F019A41D006
- F019A41D012
- F019A41D018
- F019A41D030
- F019A41D033




@3000K

## Flauta Riga 2




IK 04 · IP 65 · 1,4 Kg · LED INCL

LED light source included.
Integrated 220-240V electrical power with DALI dimmer.
Comes with deflector for optional installation on the upper or lower head.
110V version available by request.

2200K available on request.

Fuente luminosa de LED incluida. Fuente de alimentación integrada regulable DALI de 220-240V. Se complementa con un deflector para montaje opcional en el cabezal superior o inferior.
Versión de 110V bajo pedido.

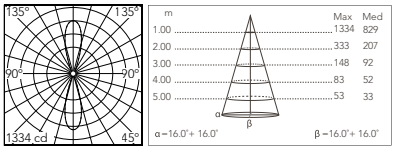
2200K disponible bajo pedido.

**Power Led:** 12W - 2x555 lm ≠ FIXT 2x347 lm - 2700K/CRI 80 - 220-240V / 12W - 2x597 lm ≠ FIXT 2x372 lm - 3000K/CRI 80 - 220-240V / 12W - 2x638 lm ≠ FIXT 2x398 lm - 4000K/CRI 80 - 220-240V

**2700K**
- F019A22D001
- F019A22D006
- F019A22D012
- F019A22D018
- F019A22D030
- F019A22D033

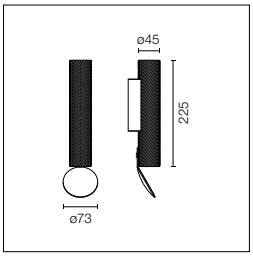
**3000K**
- F019A32D001
- F019A32D006
- F019A32D012
- F019A32D018
- F019A32D030
- F019A32D033

**4000K**
- F019A42D001
- F019A42D006
- F019A42D012
- F019A42D018
- F019A42D030
- F019A42D033




@3000K

## Flauta Spiga 1




IK 04 · IP 65 · 0,6 Kg · LED INCL

LED light source included.
Integrated 220-240V electrical power with DALI dimmer.
Comes with deflector for optional installation on the upper or lower head.
110V version available by request.

2200K available on request.

Fuente luminosa de LED incluida. Fuente de alimentación integrada regulable DALI de 220-240V. Se complementa con un deflector para montaje opcional en el cabezal superior o inferior.
Versión de 110V bajo pedido.

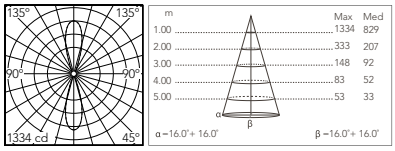
2200K disponible bajo pedido.

**Power Led:** 12W - 2x555 lm ≠ FIXT 2x347 lm - 2700K/CRI 80 - 220-240V / 12W - 2x597 lm ≠ FIXT 2x372 lm - 3000K/CRI 80 - 220-240V / 12W - 2x638 lm ≠ FIXT 2x398 lm - 4000K/CRI 80 - 220-240V

**2700K**
- ○ F019B21D001
- ● F019B21D006
- ● F019B21D012
- ● F019B21D018
- ● F019B21D030
- ● F019B21D033

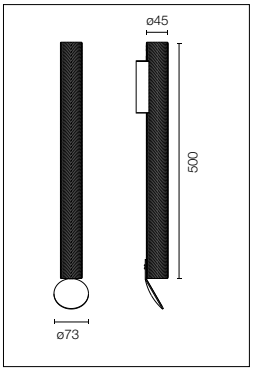
**3000K**
- ○ F019B31D001
- ● F019B31D006
- ● F019B31D012
- ● F019B31D018
- ● F019B31D030
- ● F019B31D033

**4000K**
- ○ F019B41D001
- ● F019B41D006
- ● F019B41D012
- ● F019B41D018
- ● F019B41D030
- ● F019B41D033




@3000K

## Flauta Spiga 2




IK 04 · IP 65 · 1,4 Kg · LED INCL

LED light source included.
Integrated 220-240V electrical power with DALI dimmer.
Comes with deflector for optional installation on the upper or lower head.
110V version available by request.

2200K available on request.

Fuente luminosa de LED incluida. Fuente de alimentación integrada regulable DALI de 220-240V. Se complementa con un deflector para montaje opcional en el cabezal superior o inferior.
Versión de 110V bajo pedido.

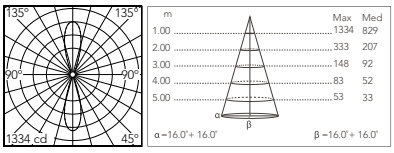
2200K disponible bajo pedido.

**Power Led:** 12W - 2x555 lm ≠ FIXT 2x347 lm - 2700K/CRI 80 - 220-240V / 12W - 2x597 lm ≠ FIXT 2x372 lm - 3000K/CRI 80 - 220-240V / 12W - 2x638 lm ≠ FIXT 2x398 lm - 4000K/CRI 80 - 220-240V

**2700K**
- ○ F019B22D001
- ● F019B22D006
- ● F019B22D012
- ● F019B22D018
- ● F019B22D030
- ● F019B22D033

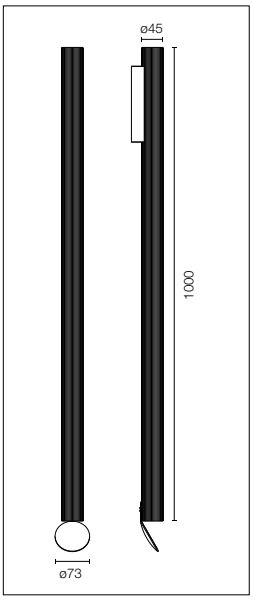
**3000K**
- ○ F019B32D001
- ● F019B32D006
- ● F019B32D012
- ● F019B32D018
- ● F019B32D030
- ● F019B32D033

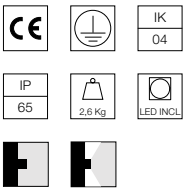
**4000K**
- ○ F019B42D001
- ● F019B42D006
- ● F019B42D012
- ● F019B42D018
- ● F019B42D030
- ● F019B42D033




@3000K

## Flauta Riga 3




LED light source included.
Integrated 220-240V electrical power with DALI dimmer.
Comes with deflector for optional installation on the upper or lower head.
110V version available by request.

2200K available on request.

Fuente luminosa de LED incluida. Fuente de alimentación integrada regulable DALI de 220-240V. Se complementa con un deflector para montaje opcional en el cabezal superior o inferior.
Versión de 110V bajo pedido.

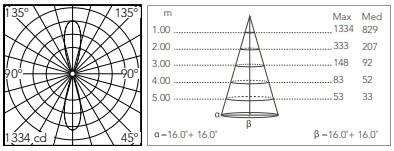
2200K disponible bajo pedido.

**Power Led:** 12W - 2x555 lm ≠ FIXT 2x347 lm - 2700K/CRI 80 - 220-240V / 12W - 2x597 lm ≠ FIXT 2x372 lm - 3000K/CRI 80 - 220-240V / 12W - 2x638 lm ≠ FIXT 2x398 lm - 4000K/CRI 80 - 220-240V

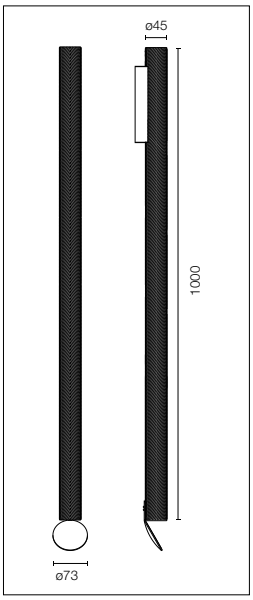
**2700K**
- ○ F019A23D001
- ● F019A23D006
- ● F019A23D012
- ● F019A23D018
- ● F019A23D030
- ● F019A23D033

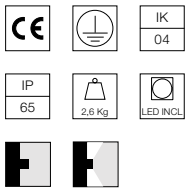
**3000K**
- ○ F019A33D001
- ● F019A33D006
- ● F019A33D012
- ● F019A33D018
- ● F019A33D030
- ● F019A33D033

**4000K**
- ○ F019A43D001
- ● F019A43D006
- ● F019A43D012
- ● F019A43D018
- ● F019A43D030
- ● F019A43D033




@3000K




LED light source included.
Integrated 220-240V electrical power with DALI dimmer.
Comes with deflector for optional installation on the upper or lower head.
110V version available by request.

2200K available on request.

Fuente luminosa de LED incluida. Fuente de alimentación integrada regulable DALI de 220-240V. Se complementa con un deflector para montaje opcional en el cabezal superior o inferior.
Versión de 110V bajo pedido.

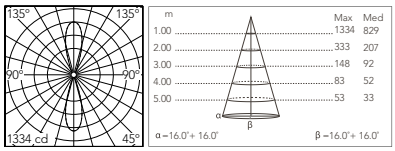
2200K disponible bajo pedido.

**Power Led:** 12W - 2x555 lm ≠ FIXT 2x347 lm - 2700K/CRI 80 - 220-240V / 12W - 2x597 lm ≠ FIXT 2x372 lm - 3000K/CRI 80 - 220-240V / 12W - 2x638 lm ≠ FIXT 2x398 lm - 4000K/CRI 80 - 220-240V

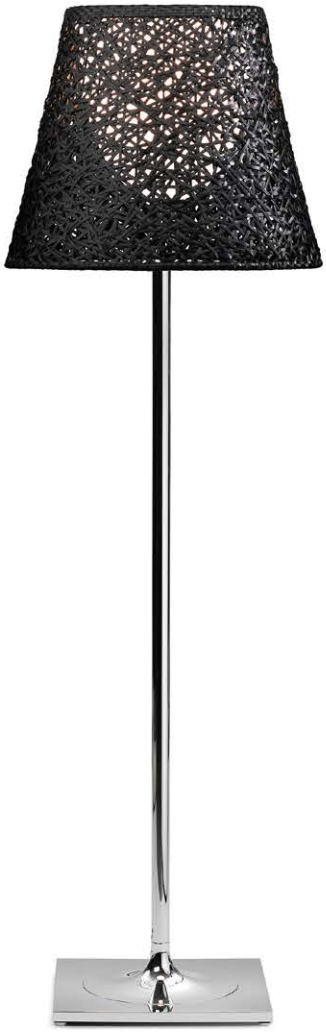
**2700K**
- ○ F019B23D001
- ● F019B23D006
- ● F019B23D012
- ● F019B23D018
- ● F019B23D030
- ● F019B23D033

**3000K**
- ○ F019B33D001
- ● F019B33D006
- ● F019B33D012
- ● F019B33D018
- ● F019B33D030
- ● F019B33D033

**4000K**
- ○ F019B43D001
- ● F019B43D006
- ● F019B43D012
- ● F019B43D018
- ● F019B43D030
- ● F019B43D033




@3000K

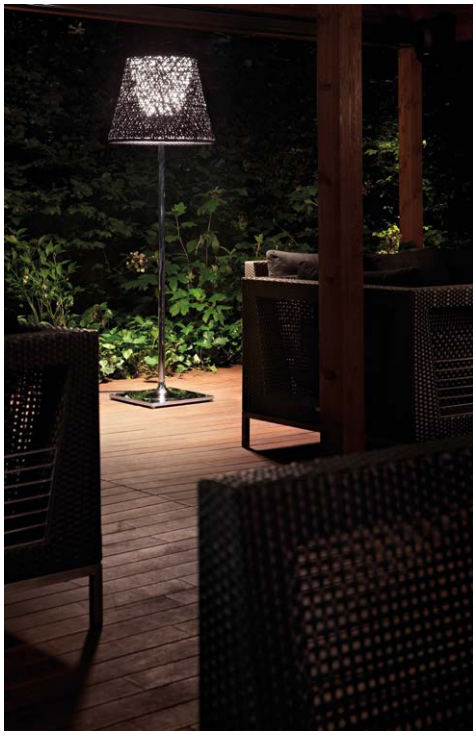


# Lighting in the Rain

Designed by Philippe Starck

Superarchimoon

Romeo Suspension



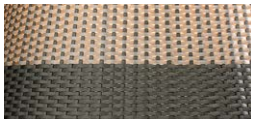
Romeo Floor

## Family / Familia

Lighting in the Rain

**HSGS E27**
250W
or
**Led**
21W
2450 lm - 3000K/CRI 80

## Colours / Colores



22 Panama

41 Green Wall

**KTribe F3 Outdoor**
Floor lamp emitting diffused light for outdoor use. Die-cast aluminum base and pole support. Chemical conversion treatment of the structural parts to enhance their resistance to atmospheric agents. Chrome finish. Injection-molded polycarbonate internal diffuser and bulb-holder. External diffuser made from braided colored PVC tubes and inner frame from polyester-painted aluminum tubes. Steel cataphoresis treated coun-terweight for effective weather resistance. Painted die-cast aluminum external diffuser cover.

**Romeo C3 Outdoor**
Suspension luminaire for outdoor use providing direct and diffused light. External diffuser obtained from braided colored PVC tubes, internal frame in polyester-painted aluminum tubes. Inner diffuser in opal-colored, vacuum-formed polycarbonate which is removable for bulb change without the use of tools. Diffuser support in anodized die-cast aluminum alloy, liquid grey painted. Die-cast aluminum alloy ceiling fitting with polished finish. Injection-molded polycarbonate (PC) cover rose. 316L stainless steel pole – polished.
In order to obtain good weather resistance, all the painted details have undergone a chemical conversion treatment for enhanced corrosion resistance.

**Superarchimoon Outdoor**
Floor lamp for outdoor use providing direct and dif-fused light. External diffuser obtained from braided colored PVC tubes, internal frame in polyester-painted aluminum tubular. Internal diffuser in injection-molded opal polycarbonate.
The structural parts of the luminaire (base support, diffusers support, arms, brackets, levers and tie rods) have been treated with a chemical conversion for enhanced weather resistance. The body is painted in grey. Springs and main mechanical components are also made with special materials for good weather resistance.
The luminaire has no ON/OFF switch or luminous flux adjustment, but has a 10 mt transparent bipolar feeding cord. The luminaire also is equipped with a junction box suitable for outdoor applications.

We recommend using a connection system with a higher or equal protection degree than the one of the luminaire.

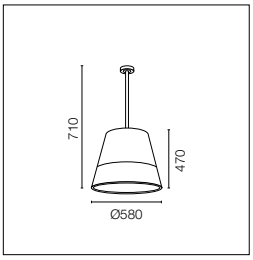
**KTribe F3 Outdoor**
Lámpara de suelo con luz difusa para uso en exteriores. Base y soporte de la barra en aluminio fundido, barra en aluminio extruido.
Las partes estructurales del dispositivo están tratadas con un procedimiento de conversión química para dotarlas de una resistencia eficaz a los agentes atmosféricos. Acabado en cromo. Difusor interno y soporte del portalámparas de policarbonato impreso por inyección. Difusor externo obtenido a partir de un entrelazado de hilos tubulares de colores en PVC, estructura interna con barras de aluminio pintado en poliéster. Contrapreso de acero tratado mediante un procedimiento de cataforesis, siempre para garantizar una resistencia eficaz a los agentes atmosféricos. Cubierta del difusor externo en aluminio fundido fosfocromado pintado.

**Romeo C3 Outdoor**
Lámpara de techo para exterior, con luz directa y difusa. Difusor externo obtenido a partir de un entrelazado de hilos tubulares de colores en PVC sobre estructura interna con tubos de aluminio pintado en poliéster. Difusor interno en policarbonato termoformado al vacío de color opal y extraíble por el usuario, sin tener que utilizar herramientas para cambiar la lámpara. Soporte del difusor en aleación de aluminio fundido, anodizado y pintado de color gris líquido. Sujeción al techo en aleación de aluminio fundido con acabado brillante.
Rosetón de la cubierta en policarbonato (PC) impreso por inyección. Barra en acero INOX de aleación 316L - lúcido.
Con el fin de obtener una resistencia eficaz a los agentes atmosféricos, todos los detalles pintados están tratados con un procedimiento de conversión química anticorrosión.

**Superarchimoon Outdoor**
Lámpara de suelo para exterior con luz directa y difusa. Difusor externo obtenido a partir de hilos tubulares de colores en PVC sobre estructura interna con tubos de aluminio pintado en poliéster. Difusor interno de policarbonato opal impreso por inyección.
Las partes estructurales del dispositivo (soporte de la base, soporte de los difusores, brazos, ganchos, palancas y tirantes) están tratadas con un procedimiento de conversión química para obtener una resistencia eficaz a los agentes atmosféricos. El cuerpo está pintado en color gris. Los resortes y los principales componentes mecánicos del dispositivo están realizados en materiales especiales, siempre para una resistencia eficaz a los agentes atmosféricos.
El aparato no prevé ningún sistema para las funciones de apagado y encendido (ON/OFF) y la regulación del flujo de luz, pero presenta un cable de alimentación bipolar transparente de una longitud útil de 10 metros. El aparato está dotado además de una caja de derivación para un cableado apto para aplicaciones en el exterior.

Se recomienda utilizar un sistema de conexión con un grado de protección superior o equivalente al grado de protección del dispositivo.

## Romeo Outdoor C3 Pvc 710 mm




IP 55

7,30 Kg

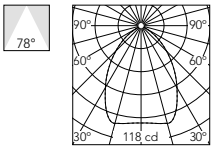
A⁺→E

Light source not included.

Fuente de luz excluida.

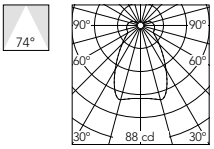
**HSGS E27**: 1x250W or **1 LED:** 21W - 2450 lm - 3000K

- F6468022
- F6468041




Panama

| Beam Angle: | | 78° |
|---|---|---|
| h(m) | E(lx) | D(m) |
| 1 | 118 | 1.63 |
| 2 | 30 | 3.26 |
| 3 | 13 | 4.89 |
| 4 | 7 | 6.53 |
| 5 | 5 | 8.16 |



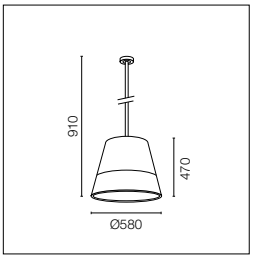

Green Wall

| Beam Angle: | | 74° |
|---|---|---|
| h(m) | E(lx) | D(m) |
| 1 | 88 | 1.50 |
| 2 | 22 | 3.01 |
| 3 | 10 | 4.51 |
| 4 | 6 | 6.02 |
| 5 | 4 | 7.52 |

### Accessories / Accesorios

1 x LED 21W E27 2450lm 3000K cod. RF26998 [e] DIMMER

## Romeo Outdoor C3 Pvc 910 mm




IP 55

7,50 Kg

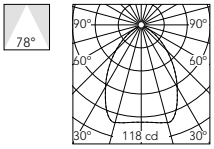
A⁺→E

Light source not included.

Fuente de luz excluida.

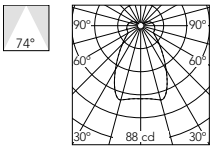
**HSGS E27:** 1x250W or **1 LED:** 21W - 2450 lm - 3000K

- F6469022
- F6469041




Panama

| Beam Angle: | | 78° |
|---|---|---|
| h(m) | E(lx) | D(m) |
| 1 | 118 | 1.63 |
| 2 | 30 | 3.26 |
| 3 | 13 | 4.89 |
| 4 | 7 | 6.53 |
| 5 | 5 | 8.16 |



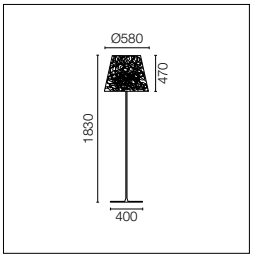

Green Wall

| Beam Angle: | | 74° |
|---|---|---|
| h(m) | E(lx) | D(m) |
| 1 | 88 | 1.50 |
| 2 | 22 | 3.01 |
| 3 | 10 | 4.51 |
| 4 | 6 | 6.02 |
| 5 | 4 | 7.52 |

### Accessories / Accesorios

1 x LED 21W E27 2450lm 3000K cod. RF26998 [e] DIMMER

## KTribe F3 Outdoor




IP 55

23,00 Kg

A+ → E

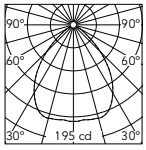
Light source not included.

Fuente de luz excluida.

**HSGS E27:** 1x250W or **1 LED:** 21W - 2450 lm - 3000K Dimming

- F6268022
- F6268041

85°

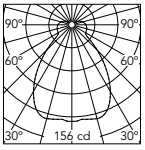



Panama

Beam Angle: 85°

| h(m) | E(lx) | D(m) |
|---|---|---|
| 1 | 195 | 1.82 |
| 2 | 49 | 3.64 |
| 3 | 22 | 5.46 |
| 4 | 12 | 7.28 |
| 5 | 8 | 9.10 |

82°




Green Wall

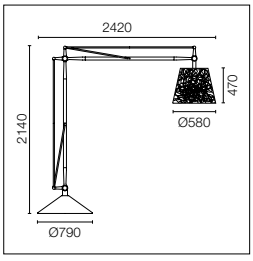
Beam Angle: 82°

| h(m) | E(lx) | D(m) |
|---|---|---|
| 1 | 156 | 1.74 |
| 2 | 39 | 3.49 |
| 3 | 17 | 5.23 |
| 4 | 10 | 6.98 |
| 5 | 6 | 8.72 |

### Accessories / Accesorios

1 x LED 21W E27 2450lm 3000K cod. RF26998 [e] DIMMER

## Superarchimoon Outdoor




IP 55

161,70 Kg

A+ → E

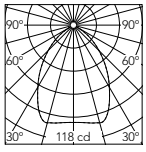
Light source not included.

Fuente de luz excluida.

**HSGS E27:** 1x250W or **1 LED:** 21W - 2450 lm - 3000K

- F6367022
- F6367041

78°

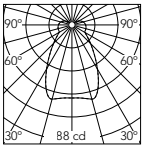



Panama

Beam Angle: 78°

| h(m) | E(lx) | D(m) |
|---|---|---|
| 1 | 118 | 1.63 |
| 2 | 30 | 3.26 |
| 3 | 13 | 4.89 |
| 4 | 7 | 6.53 |
| 5 | 5 | 8.16 |

74°




Green Wall

Beam Angle: 74°

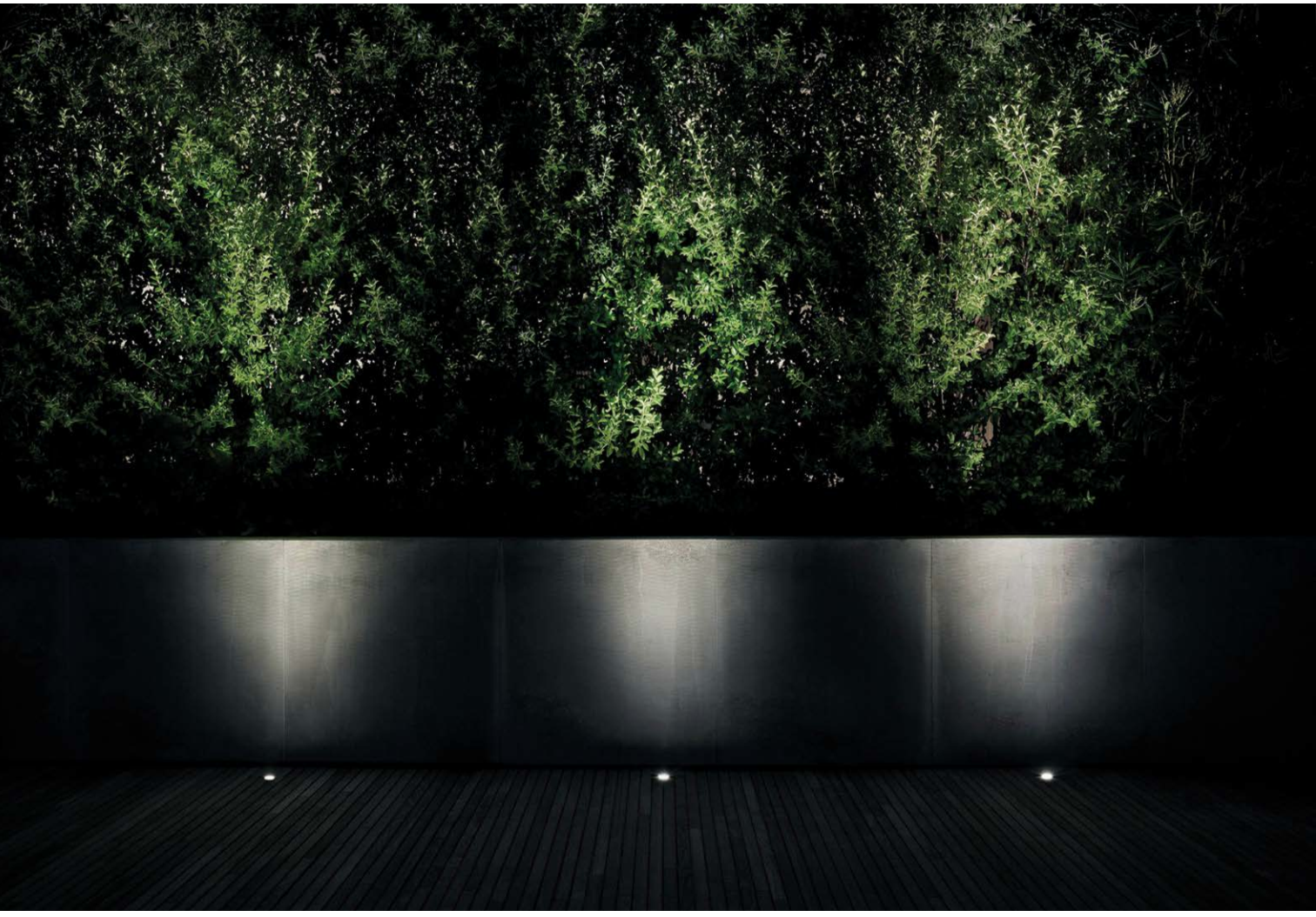
| h(m) | E(lx) | D(m) |
|---|---|---|
| 1 | 88 | 1.50 |
| 2 | 22 | 3.01 |
| 3 | 10 | 4.51 |
| 4 | 6 | 6.02 |
| 5 | 4 | 7.52 |

### Accessories / Accesorios

1 x LED 21W E27 2450lm 3000K cod. RF26998 [e] DIMMER

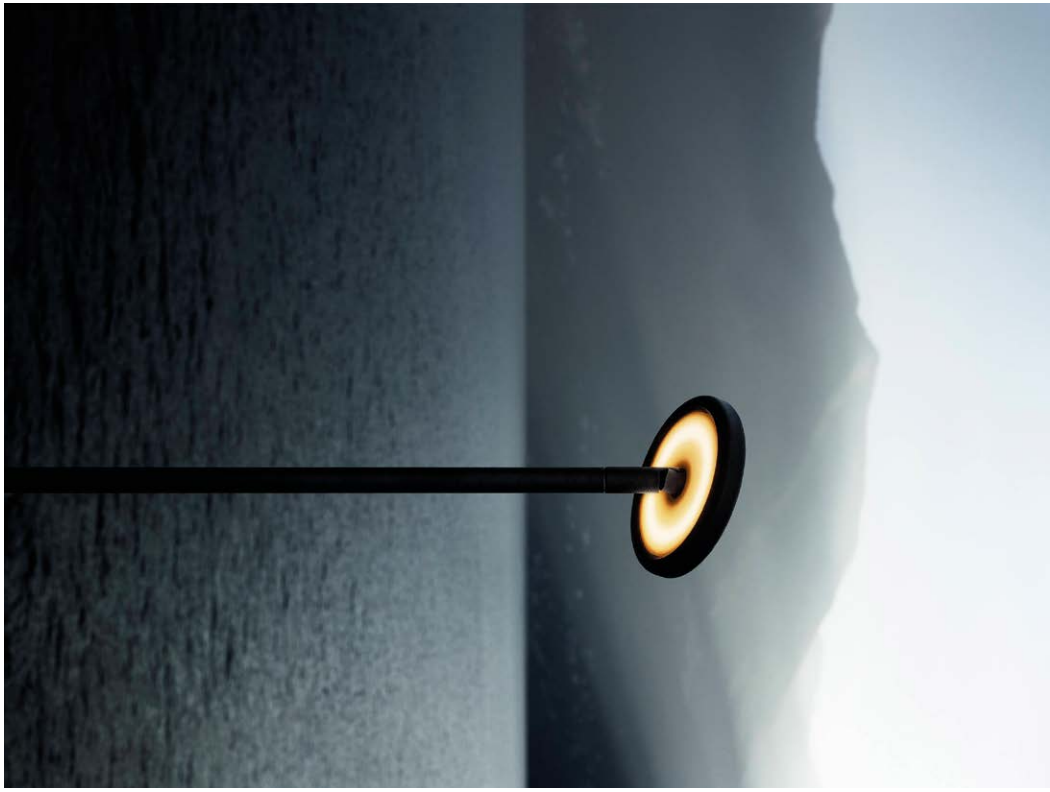
## Landlord

Designed by Piero Lissoni



Landlord Ground

Landlord Spot + Pole



Landlord Soft

## Family / Familia

Landlord Spot

**Power Led**
2,3W
130 lm - 2700K/CRI 80
135 lm - 3000K/CRI 80
140 lm - 4000K/CRI 80
2200K available on request.

Landlord Spot + Pole

**Power Led**
3,4W
135 lm - 2700K/CRI 80
140 lm - 3000K/CRI 80
145 lm - 4000K/CRI 80
2200K available on request.

**Power Led**
7,2W
442 lm - 2700K/CRI 80
457 lm - 3000K/CRI 80
492 lm - 4000K/CRI 80

Landlord Soft

**Power Led**
5W
242 lm - 2700K/CRI 80
252 lm - 3000K/CRI 80
269 lm - 4000K/CRI 80
2200K available on request.

Landlord Ground

**Power Led**
2,3W
121 lm - 2700K/CRI 80
125 lm - 3000K/CRI 80
130 lm - 4000K/CRI 80
2200K available on request.

**Power Led**
3,4W
183 lm - 2700K/CRI 80
189 lm - 3000K/CRI 80
196 lm - 4000K/CRI 80
2200K available on request.

## Colours / Colores

Landlord Spot / Soft

01 White

06 Grey

12 Forest Green

18 Deep Brown

30 Black

33 Anthracite

71 Anodized Black

Landlord Ground

56 Matt Stainless Steel

**Landlord Spot**
IP66 projector for external use made of turned aluminium body and powered at 24V, and available in 2700K, 3000K and 4000K colour temperatures. With reference to the horizontal axis the spotlight can be swivelled by 359°, on the vertical axis by up to 30° down and up to 90º up.
Landlord Spots are available in two sizes, ø40 and ø50 head, both equipped with desmontable front ferrule, in order to install flood lens or up to two honeycombs for maximum visual confort.
Landlord Spots can be installed on solid ground spikes, with the possibility of an optional picket, on wall base, or on the innovative tree belt, designed to fix the luminaries directly on tree branches.

**Landlord Soft**
IP65 projector for external use, designed to offer diffuse lighting.
It is characterized by an aluminium disk shape head, orientable up to 20º beam and lockable in position, to be powered at 24V, and available in 2700K, 3000K and 4000K colour temperature.
It is the perfect tool to light bushes, flowerbed and transit areas with an homogenous diffuse light beam.
Landlord Soft can be installed on solid ground spikes, with the possibility of an optional picket.

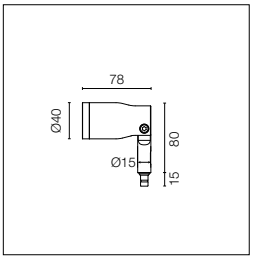
**Landlord Ground**
IP66 / IP67 luminaries for ground recessed installation, powered 24V. Body in anodized, then resined aluminium, external ring in shot-peened stainless steel, encasing the entire control electronics. Head available in two sizes, ø49 mm, and ø64 mm, with frontal or grazing emission (one, two or four beams).
Frontal emission version are available with spot or medium optic, or with integrated non removable honeycomb, for maximum visual confort.
To be installed in its installation box.

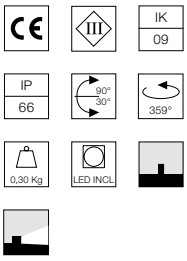
**Landlord Spot**
Proyector IP66 para uso externo con un cuerpo hecho de aluminio torneado y con una potencia de 24V, disponible en temperaturas de color de 2700K, 3000K y 4000K. En relación con el eje horizontal, el foco se puede girar hasta 359º, en el eje vertical hasta 30º hacia abajo y hasta 90º hacia arriba.
Los focos Landlord están disponibles en dos tamaños (con cabezal de ø40 y ø50), ambos equipados con un casquillo delantero desmontable, que permite instalar lentes "flood" o hasta dos filtros "honeycomb" para un confort visual máximo.
Los focos Landlord se pueden instalar con estacas en terrenos sólidos, o también tienen la opción de un poste instalado sobre una base de mampostería, o bien con la innovadora correa para árbol, diseñada para fijar las luminarias directamente en las ramas de los árboles.

**Landlord Soft**
Proyector IP65 para uso externo diseñado para ofrecer una iluminación difusa.
Se caracteriza por un cabezal con forma de disco de aluminio, orientable con un haz de hasta 20º y cuya posición se puede bloquear, con una potencia de 24V y disponible en temperaturas de color de 2700K, 3000K y 4000K.
Es la herramienta perfecta para iluminar arbustos, macizos de flores y zonas de tránsito con un haz luminoso difuso y homogéneo.
Landlord Soft se puede instalar en estacas para suelos sólidos, con la posibilidad de un poste opcional.

**Landlord Ground**
Luminarias IP66 / IP67 con instalación empotrada en el suelo, con una potencia de 24V. Cuerpo en aluminio primero anodizado y luego resinado, anillo externo en acero inoxidable granallado, que alberga la totalidad del dispositivo electrónico de control. Cabezal disponible en dos tamaños (ø49 mm y ø64 mm), con emisión frontal o rasante (uno, dos o cuatro haces).
Las versiones con emisión frontal están disponibles con óptica "spot" o "medium", o con honeycomb no extraíble integrado, para un confort visual máximo.
Para ser instalado en su propia caja.

## Landlord Spot Ø40




Spot adjustable head for installation on ground poles or on wall base.
Poles and base to be ordered as separated accessories.
Heads are equipped with a dismountable ferrule, to insert flood lens or up to two honeycombs, (to be ordered as separate accessories).
24V remote power supply to be ordered separately.
Each head comes with a 2000 mm lenght outgoing cable and a wiring kit.

2200K available on request.

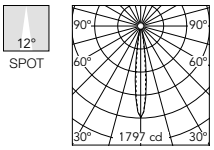
Cabezal orientable del foco para instalación en postes de suelo o en bases de mampostería.
Los postes y la base se tienen que pedir como accesorios independientes.
Los cabezales están dotados de un casquillo desmontable para introducir la lente flood o hasta dos filtros honeycomb (que se tienen que pedir como accesorios independientes).
Alimentación eléctrica remota de 24V que se tiene que pedir por separado.
Cada cabezal incluye un segmento de 2000 mm de cable saliente y un kit de cableado.

2200K disponible bajo pedido.

### Optic Spot 12º

**Power Led:** 2,3W - 188 lm ≠ *FIXT 130 lm - 2700K/CRI 80 - 24V / 2,3W - 195 lm ≠ *FIXT 135 lm - 3000K/CRI 80 - 24V / 2,3W - 202 lm ≠ *FIXT 140 lm - 4000K/CRI 80 - 24V

| 2700K | 3000K | 4000K |
|---|---|---|
| PWM Dimmable | PWM Dimmable | PWM Dimmable |
| ○ F004D21A001 | ○ F004D31A001 | ○ F004D41A001 |
| ● F004D21A006 | ● F004D31A006 | ● F004D41A006 |
| ● F004D21A012 | ● F004D31A012 | ● F004D41A012 |
| ● F004D21A018 | ● F004D31A018 | ● F004D41A018 |
| ● F004D21A030 | ● F004D31A030 | ● F004D41A030 |
| ● F004D21A033 | ● F004D31A033 | ● F004D41A033 |
| ● F004F21A071 | ● F004F31A071 | ● F004F41A071 |




@4000K

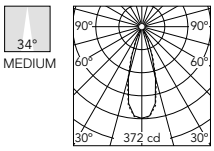
Beam Angle: 12°

| h(m) | E(lx) | D(m) |
|---|---|---|
| 1 | 1797 | 0.24 |
| 2 | 449 | 0.48 |
| 3 | 200 | 0.72 |
| 4 | 112 | 0.97 |
| 5 | 72 | 1.21 |

### Optic Medium 34º

**Power Led:** 2,3W - 188 lm ≠ *FIXT 122 lm - 2700K/CRI 80 - 24V / 2,3W - 195 lm ≠ *FIXT 127 lm - 3000K/CRI 80 - 24V / 2,3W - 202 lm ≠ *FIXT 131lm - 4000K/CRI 80 - 24V

| 2700K | 3000K | 4000K |
|---|---|---|
| PWM Dimmable | PWM Dimmable | |
| ○ F004D22A001 | ○ F004D32A001 | ○ F004D42A001 |
| ● F004D22A006 | ● F004D32A006 | ● F004D42A006 |
| ● F004D22A012 | ● F004D32A012 | ● F004D42A012 |
| ● F004D22A018 | ● F004D32A018 | ● F004D42A018 |
| ● F004D22A030 | ● F004D32A030 | ● F004D42A030 |
| ● F004D22A033 | ● F004D32A033 | ● F004D42A033 |
| ● F004F22A071 | ● F004F32A071 | ● F004F42A071 |




@4000K

Beam Angle: 34°

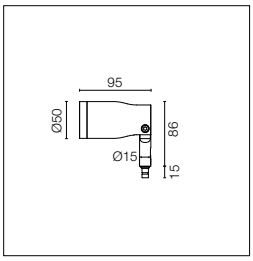
| h(m) | E(lx) | D(m) |
|---|---|---|
| 1 | 372 | 0.59 |
| 2 | 93 | 1.18 |
| 3 | 41 | 1.77 |
| 4 | 23 | 2.36 |
| 5 | 15 | 2.95 |

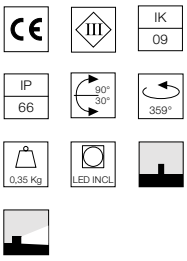
* Maximum number of luminaires per power supply / Número máximo de luminarias por fuente de alimentación.

Maximum number of luminaires per power supply. (220÷240 V). These data must be checked taking into account the specific installation conditions.

Número máximo de luminarias por fuente de alimentación (220÷240 V). Estos datos deben ser comprobados teniendo en cuenta las condiciones específicas de instalación.

| Non Dimmable | | Dimmable | |
|---|---|---|---|
| Acc. RF25754 | 3 | Acc. F990B02A000 | 13 |
| Acc. RF25748 | 3 | Acc. F990B03A000 | 13 |
| Acc. RF25747 | 4 | Acc. F990B16A000 | 13 |
| Acc. RF25757 | 4 | Acc. F990B04A000 | 28 |
| Acc. F990B23AZ00 | 12 | Acc. F990B05A000 | 28 |
| Acc. F990B28A000 | 17 | Acc. F990B17A000 | 28 |
| Acc. F990B27A000 | 27 | | |




Spot adjustable head for installation on ground poles or on wall base.
Poles and base to be ordered as separated accessories.
Heads are equipped with a dismountable ferrule, to insert flood lens or up to two honeycombs, (to be ordered as separate accessories).
24V remote power supply to be ordered separately.
Each head comes with a 2000 mm lenght outgoing cable and a wiring kit.

Optic Narrow Spot
2200K available on request.

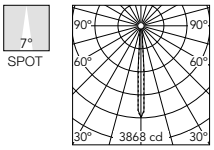
Cabezal orientable del foco para instalación en postes de suelo o en bases de mampostería.
Los postes y la base se tienen que pedir como accesorios independientes.
Los cabezales están dotados de un casquillo desmontable para introducir la lente flood o hasta dos filtros honeycomb (que se tienen que pedir como accesorios independientes).
Alimentación eléctrica remota de 24V que se tiene que pedir por separado.
Cada cabezal incluye un segmento de 2000 mm de cable saliente y un kit de cableado.

Optic Narrow Spot
2200K disponible bajo pedido.

## Optic Narrow Spot 7º

**Power Led:** 3,4W - 251 lm ≠ FIXT 135 lm - 2700K/CRI 80 - 24V / 3,4W - 260 lm ≠ FIXT 140 lm - 3000K/CRI 80 - 24V / 3,4W - 270 lm ≠ FIXT 145 lm - 4000K/CRI 80 - 24V

| 2700K | 3000K | 4000K |
|---|---|---|
| PWM Dimmable | PWM Dimmable | PWM Dimmable |
| ○ F004E21A001 | ○ F004E31A001 | ○ F004E41A001 |
| ● F004E21A006 | ● F004E31A006 | ● F004E41A006 |
| ● F004E21A012 | ● F004E31A012 | ● F004E41A012 |
| ● F004E21A018 | ● F004E31A018 | ● F004E41A018 |
| ● F004E21A030 | ● F004E31A030 | ● F004E41A030 |
| ● F004E21A033 | ● F004E31A033 | ● F004E41A033 |
| ● F004G21A071 | ● F004G31A071 | ● F004G41A071 |




@4000K

Beam Angle: 7°

| h(m) | E(lx) | D(m) |
|---|---|---|
| 1 | 3868 | 0.14 |
| 2 | 967 | 0.28 |
| 3 | 430 | 0.41 |
| 4 | 242 | 0.55 |
| 5 | 155 | 0.69 |

* Maximum number of luminaires per power supply / Número máximo de luminarias por fuente de alimentación.

Maximum number of luminaires per power supply. (220÷240 V). These data must be checked taking into account the specific installation conditions.

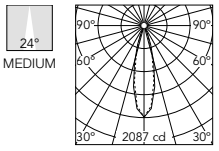
Número máximo de luminarias por fuente de alimentación (220÷240 V). Estos datos deben ser comprobados teniendo en cuenta las condiciones específicas de instalación.

| Non Dimmable | | Dimmable | |
|---|---|---|---|
| Acc. RF25754 | 1 | Acc. F990B02A000 | 7 |
| Acc. RF25748 | 1 | Acc. F990B03A000 | 7 |
| Acc. RF25747 | 3 | Acc. F990B16A000 | 7 |
| Acc. RF25757 | 3 | Acc. F990B04A000 | 17 |
| Acc. F990B23AZ00 | 7 | Acc. F990B05A000 | 17 |
| Acc. F990B28A000 | 9 | Acc. F990B17A000 | 17 |
| Acc. F990B27A000 | 17 | | |

## Optic Medium 24º

**Power Led:** 7,2W - 666 lm ≠ FIXT 442 lm - 2700K/CRI 80 - 24V / 7,2W - 689 lm ≠ FIXT 457 lm - 3000K/CRI 80 - 24V / 7,2W - 741 lm ≠ FIXT 492 lm - 4000K/CRI 80 - 24V

| 2700K | 3000K | 4000K |
|---|---|---|
| PWM Dimmable | PWM Dimmable | PWM Dimmable |
| ○ F004E22A001.A | ○ F004E32A001 | ○ F004E42A001 |
| ● F004E22A006.A | ● F004E32A006 | ● F004E42A006 |
| ● F004E22A012.A | ● F004E32A012 | ● F004E42A012 |
| ● F004E22A018.A | ● F004E32A018 | ● F004E42A018 |
| ● F004E22A030.A | ● F004E32A030 | ● F004E42A030 |
| ● F004E22A033.A | ● F004E32A033 | ● F004E42A033 |
| ● F004G22A071.A | ● F004G32A071 | ● F004G42A071 |




@4000K

Beam Angle: 24°

| h(m) | E(lx) | D(m) |
|---|---|---|
| 1 | 2087 | 0.47 |
| 2 | 522 | 0.94 |
| 3 | 232 | 1.41 |
| 4 | 130 | 1.88 |
| 5 | 83 | 2.35 |

* Maximum number of luminaires per power supply / Número máximo de luminarias por fuente de alimentación.

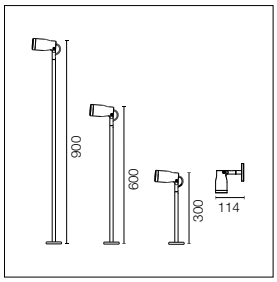
Maximum number of luminaires per power supply. (220÷240 V). These data must be checked taking into account the specific installation conditions.

Número máximo de luminarias por fuente de alimentación (220÷240 V). Estos datos deben ser comprobados teniendo en cuenta las condiciones específicas de instalación.

| Non Dimmable | | Dimmable | |
|---|---|---|---|
| Acc. RF25754 | 1 | Acc. F990B02A000 | 3 |
| Acc. RF25748 | 1 | Acc. F990B03A000 | 3 |
| Acc. RF25747 | 1 | Acc. F990B16A000 | 3 |
| Acc. RF25757 | 1 | Acc. F990B04A000 | 7 |
| Acc. F990B23AZ00 | 3 | Acc. F990B05A000 | 7 |
| Acc. F990B28A000 | 6 | Acc. F990B17A000 | 7 |
| Acc. F990B27A000 | 9 | | |

## Landlord Spot: Head + pole accessory / Cabeza + accesorio poste

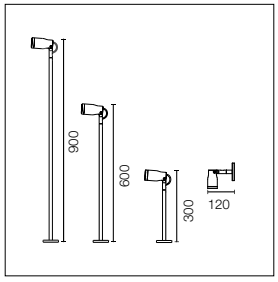
### Spot Ø40

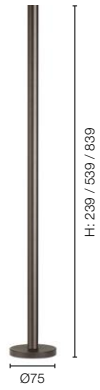



Pole with base.
Ready for installation on solid surface.
Ground installation needs earth stick use, to be ordered as separated item.

Poste con base.
Listo para su instalación sobre una superficie sólida.
Para la instalación en el suelo, se completa con una estaca, que se tiene que pedir por separado.

### Spot Ø50



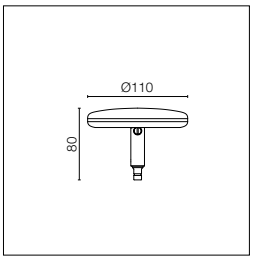

**H 300 mm**
- ○ F004Z010001
- ● F004Z010006
- ● F004Z010012
- ● F004Z010018
- ● F004Z010030
- ● F004Z010033
- ● F004Z0D0071

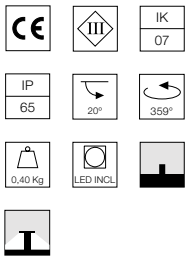
**H 600 mm**
- ○ F004Z020001
- ● F004Z020006
- ● F004Z020012
- ● F004Z020018
- ● F004Z020030
- ● F004Z020033
- ● F004Z0E0071

**H 900 mm**
- ○ F004Z030001
- ● F004Z030006
- ● F004Z030012
- ● F004Z030018
- ● F004Z030030
- ● F004Z030033
- ● F004Z0F0071

## Landlord Spot: Accessories / Accesorios

| | | | |
|---|---|---|---|
| Wall base. | Base en mampostería. | ○ F004Z040001<br>● F004Z040006<br>● F004Z040012<br>● F004Z040018<br>● F004Z040030<br>● F004Z040033<br>● F004Z0A0071 | |
| Earth stick.<br>To be mounted on poles with base. | Estaca.<br>Para montarse sobre postes con base. | F004Z060000 | |
| Honeycomb. | Honeycomb. | Landlord Spot Ø40<br>F004Z0B0000<br>Landlord Spot Ø50<br>F004Z0L0000 | |
| Flood lens. | Lente Flood. | Landlord Spot Ø40<br>F004Z0C0000<br>Landlord Spot Ø50<br>F004Z0H0000 | |
| Tree strap.<br>Accessory for spot installation directly on tree branch, from ø30mm up to ø100mm.<br>Deep Brown finishing. | Correa para árbol.Accesorio para instalación del foco directamente en la rama de un árbol, desde ø30 mm hasta ø100 mm.<br>Acabado Deep Brown. | F004Z070000 | |




20º adjustable head for installation on ground poles. Poles to be ordered as separated accessories.
24V remote power supply to be ordered separately.
Each head comes with a 2000 mm lenght outgoing cable and a wiring kit.

2200K available on request.

Cabezal orientable 20º para la instalación en postes de suelo. Los postes se tienen que pedir como accesorios independientes.
Alimentación eléctrica remota de 24V que se tiene que pedir por separado.
Cada cabezal incluye un segmento de 2000 mm de cable saliente y un kit de cableado.

2200K disponible bajo pedido.

**Top Led:** 5W - 379 lm ≠ FIXT 242 lm - 2700K/CRI 80 - 24V / 5W - 395 lm ≠ FIXT 252 lm - 3000K/CRI 80 - 24V / 5W - 421 lm ≠ FIXT 269 lm - 4000K/CRI 80 - 24V

**2700K**

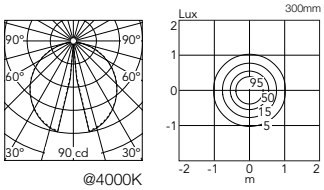
PWM Dimmable
- F004C20A001
- F004C20A006
- F004C20A012
- F004C20A018
- F004C20A030
- F004C20A033
- F004H20A071

**3000K**

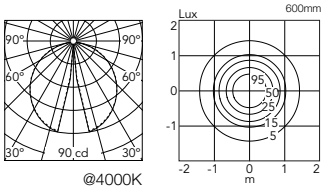
PWM Dimmable
- F004C30A001
- F004C30A006
- F004C30A012
- F004C30A018
- F004C30A030
- F004C30A033
- F004H30A071

**4000K**

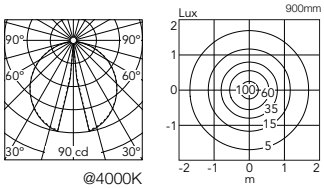
PWM Dimmable
- F004C40A001
- F004C40A006
- F004C40A012
- F004C40A018
- F004C40A030
- F004C40A033
- F004H40A071




@4000K




@4000K




@4000K

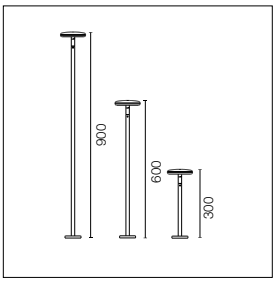
* Maximum number of luminaires per power supply / Número máximo de luminarias por fuente de alimentación.

Maximum number of luminaires per power supply. (220÷240 V). These data must be checked taking into account the specific installation conditions.

Número máximo de luminarias por fuente de alimentación (220÷240 V). Estos datos deben ser comprobados teniendo en cuenta las condiciones específicas de instalación.

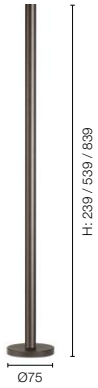
| Non Dimmable | | Dimmable | |
|---|---|---|---|
| Acc. RF25754 | 1 | Acc. RF26387.A | 3 |
| Acc. RF25748 | 1 | Acc. F990B02A000 | 5 |
| Acc. RF25747 | 1 | Acc. F990B03A000 | 5 |
| Acc. RF25757 | 1 | Acc. F990B16A000 | 5 |
| Acc. F990B23AZ00 | 3 | Acc. F990B04A000 | 12 |
| Acc. F990B28A000 | 6 | Acc. F990B05A000 | 12 |
| Acc. F990B27A000 | 9 | Acc. F990B17A000 | 12 |

## Landlord Soft: Head + pole accessory / Cabeza + accesorio poste




Pole with base.
Ready for installation on solid surface.
Ground installation needs earth stick use, to be ordered as separated item.

Poste con base.
Listo para su instalación sobre una superficie sólida.
Para la instalación en el suelo, se completa con una estaca, que se tiene que pedir por separado.

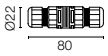
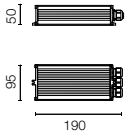



**H 300 mm**
- ○ F004Z010001
- ● F004Z010006
- ● F004Z010012
- ● F004Z010018
- ● F004Z010030
- ● F004Z010033
- ● F004Z0D0071

**H 600 mm**
- ○ F004Z020001
- ● F004Z020006
- ● F004Z020012
- ● F004Z020018
- ● F004Z020030
- ● F004Z020033
- ● F004Z0E0071

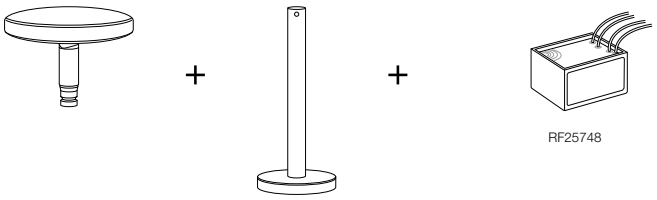
**H 900 mm**
- ○ F004Z030001
- ● F004Z030006
- ● F004Z030012
- ● F004Z030018
- ● F004Z030030
- ● F004Z030033
- ● F004Z0F0071

## Landlord: Accessories / Accesorios

| | | | | |
|---|---|---|---|---|
| Earth stick.<br>To be mounted on poles with base. | Estaca.<br>Para montarse sobre postes con base. | F004Z060000 | | |
| 3/4 way terminal block 4 poles IP68 H2O Stop. (ø5,5÷12mm cable). | Bloque de terminales IP68 H2O Stop anticondensación con 3/4 vías y 4 polos. (Cable ø5,5÷12 mm). | F990C010000 | | |
| 2 way terminal block 4 poles IP68 H2O Stop. (ø5,5÷12mm cable). | Bloque de terminales IP68 H2O Stop anticondensación con 2 vías y 4 polos. (Cable ø5,5÷12 mm). | F990C00A000 | |  |
| Power supply for remote installation 24Vdc 20W / 110-240Vdc (15W@110V) IP67 Class II selv. | Transformador para instalación remota 24Vdc 20W / 110-240Vdc (15W@110V) IP67 Clase II selv. | Landlord Soft<br>Only for Dali version<br>RF26387.A<br>Dimmable DALI | |  |

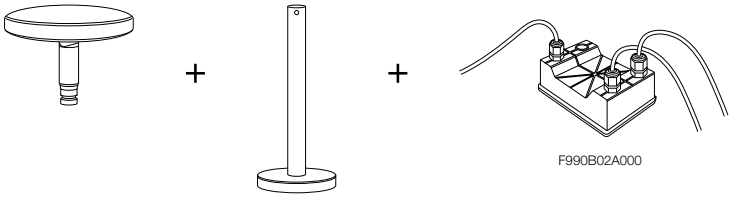
## Examples of Configuration / Ejemplos de Configuración

ON-OFF (non dimmable) = luminaire code (F004C30A001 + F004Z010001) + power supply 8W / 110-240Vac / 24Vdc ON-OFF IP65 (RF25748)
ON-OFF (no regulable) = código de producto (F004C30A001 + F004Z010001) + alimentador 8W / 110-240Vac / 24Vdc ON-OFF IP65 (RF25748)




---

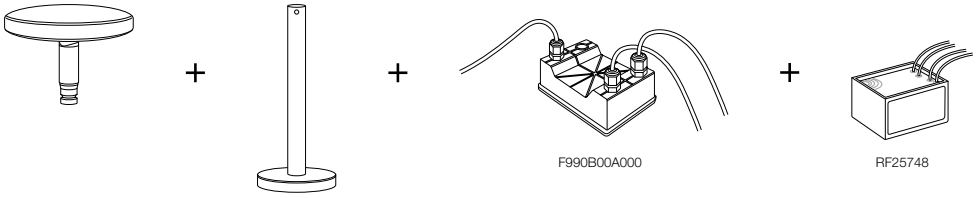
Dimmable 1-10V = luminaire code (F004C30A001 + F004Z010001) + power supply 35W / 120-270Vac / 24Vdc 1-10V PWM control IP67 (F990B02A000)
Regulable 1-10V = código de producto (F004C30A001 + F004Z010001) + alimentador 35W / 120-270Vac / 24Vdc 1-10V Control PWM IP67 (F990B02A000)




---

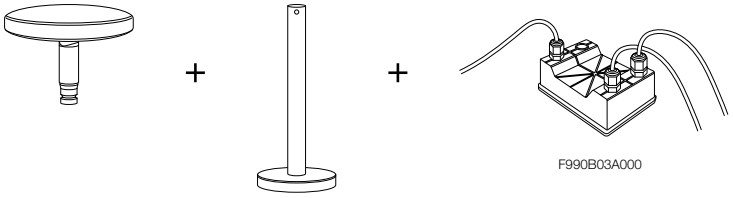
Dimmable 1-10V : PWM control interface + power supply = luminaire code (F004C30A001 + F004Z010001) + PWM control interface 1-10V PWM 24Vdc 120W IP67 (F990B00A000) + power supply 8W / 110-240Vac / 24Vdc ON-OFF IP65 (RF25748) or other remote power supply

Regulable 1-10V: interfaz PWM + alimentador = código de producto (F004C30A001 + F004Z010001) + interfaz de control 1-10V PWM 24Vdc 120W IP67 (F990B00A000) + alimentador 8W / 110-240Vac / 24Vdc ON-OFF IP65 (RF25748) u otro alimentador remoto 24Vdc




---

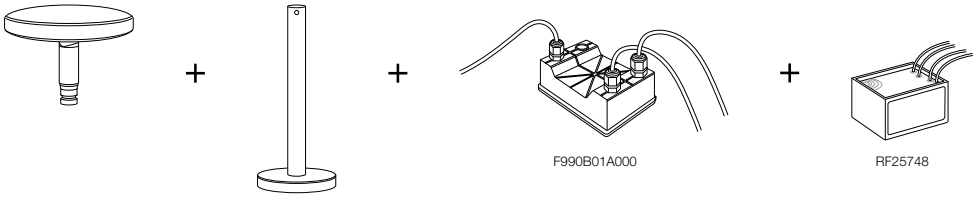
Dimmable DALI = luminaire code (F004C30A001 + F004Z010001) + power supply 35W / 120-270Vac / 24Vdc DALI PWM control IP67 (F990B03A000)
Regulable DALI = código de producto ((F004C30A001 + F004Z010001) + alimentador 35W / 120-270Vac / 24Vdc DALI Control PWM IP67 (F990B03A000)



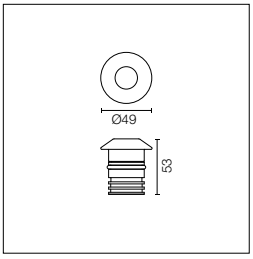

---

Dimmable DALI: PWM control interface + power supply = luminaire code (F004C30A001 + F004Z010001) + PWM control interface DALI PWM 24Vdc 120W IP67 (F990B01A000) + power supply 8W / 110-240Vac / 24Vdc ON-OFF IP65 (RF25748) or other remote power supply

Regulable DALI: interfaz PWM + alimentador = código de producto (F004C30A001 + F004Z010001) + interfaz de control DALI PWM 24Vdc 120W IP67 (F990B01A000) + alimentador 8W / 110-240Vac / 24Vdc ON-OFF IP65 (RF25748) u otro alimentador remoto 24Vdc



## Landlord Ground 49




CE | III | IK 10 | IP 66 | IP 67 | 0,30 Kg | LED INCL

24V remote power supply to be ordered separately.
Necessary box for installation, to be ordered separately.

2200K available on request.

Alimentación eléctrica remota de 24V que se tiene que pedir por separado.
Precisa caja para la instalación, que se tiene que pedir por separado.

2200K disponible bajo pedido.

**Power Led:** 2,3W - 188 lm ≠ *FIXT 121 lm - 2700K/CRI 80 - 24V / 2,3W - 195 lm ≠ *FIXT 125 lm - 3000K/CRI 80 - 24V / 2,3W - 202 lm ≠ *FIXT 130 lm - 4000K/CRI 80 - 24V
*FIXT lm = Spot Optic

### Optic Spot 14º

**2700K**
Non Dimmable
- F004A21A056

PWM Dimmable
- F004A21H056

Non Dimmable with honeycomb
- F004A26A05601

**3000K**
Non Dimmable
- F004A31A056

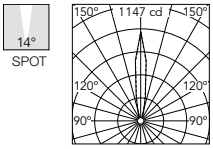
PWM Dimmable
- F004A31H056

Non Dimmable with honeycomb
- F004A36A05601

**4000K**
Non Dimmable
- F004A41A056

PWM Dimmable
- F004A41H056

Non Dimmable with honeycomb
- F004A46A05601




@4000K

| Beam Angle: | | 14° |
|---|---|---|
| h(m) | E(lx) | D(m) |
| 1 | 1147 | 0.26 |
| 2 | 287 | 0.51 |
| 3 | 127 | 0.77 |
| 4 | 72 | 1.02 |
| 5 | 46 | 1.28 |

### Optic Medium 40º

**2700K**
Non Dimmable
- F004A22A056

PWM Dimmable
- F004A22H056

Non Dimmable with honeycomb
- F004A27A05602

**3000K**
Non Dimmable
- F004A32A056

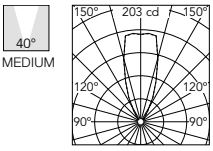
PWM Dimmable
- F004A32H056

Non Dimmable with honeycomb
- F004A37A05602

**4000K**
Non Dimmable
- F004A42A056

PWM Dimmable
- F004A42H056

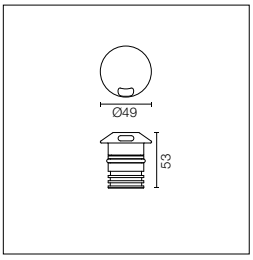
Non Dimmable with honeycomb
- F004A47A05602




@4000K

| Beam Angle: | | 40° |
|---|---|---|
| h(m) | E(lx) | D(m) |
| 1 | 203 | 0.72 |
| 2 | 51 | 1.44 |
| 3 | 23 | 2.16 |
| 4 | 13 | 2.88 |
| 5 | 8 | 3.61 |

## Landlord Ground 49 1 Beam




CE | III | IK 10 | IP 66 | IP 67 | 0,30 Kg | LED INCL

24V remote power supply to be ordered separately.
Necessary box for installation, to be ordered separately.

2200K available on request.

Alimentación eléctrica remota de 24V que se tiene que pedir por separado.
Precisa caja para la instalación, que se tiene que pedir por separado.

2200K disponible bajo pedido.

**Power Led:** 2,3W - 188 lm ≠ FIXT 8 lm - 2700K/CRI 80 - 24V / 2,3W - 195 lm ≠ FIXT 9 lm - 3000K/CRI 80 - 24V / 2,3W - 202 lm ≠ FIXT 9 lm - 4000K/CRI 80 - 24V

**2700K**
Non Dimmable
- F004A23A056

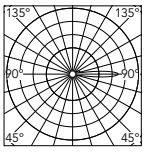
PWM Dimmable
- F004A23H056

**3000K**
Non Dimmable
- F004A33A056

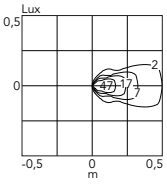
PWM Dimmable
- F004A33H056

**4000K**
Non Dimmable
- F004A43A056

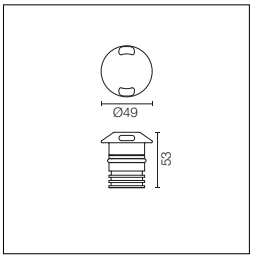
PWM Dimmable
- F004A43H056

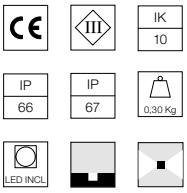



@4000K



## Landlord Ground 49 2 Beams




24V remote power supply to be ordered separately.
Necessary box for installation, to be ordered separately.

2200K available on request.

Alimentación eléctrica remota de 24V que se tiene que pedir por separado.
Precisa caja para la instalación, que se tiene que pedir por separado.

2200K disponible bajo pedido.

**Power Led:** 2,3W - 188 lm ≠ FIXT 16 lm - 2700K/CRI 80 - 24V / 2,3W - 195 lm ≠ FIXT 17 lm - 3000K/CRI 80 - 24V / 2,3W - 202 lm ≠ FIXT 18 lm - 4000K/CRI 80 - 24V

**2700K**

Non Dimmable
- F004A24A056

PWM Dimmable
- F004A24H056

**3000K**

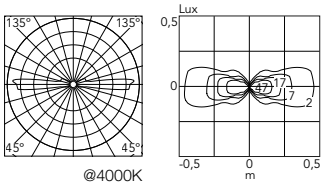
Non Dimmable
- F004A34A056

PWM Dimmable
- F004A34H056

**4000K**

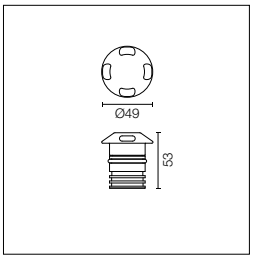
Non Dimmable
- F004A44A056

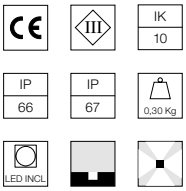
PWM Dimmable
- F004A44H056




@4000K

## Landlord Ground 49 4 Beams




24V remote power supply to be ordered separately.
Necessary box for installation, to be ordered separately.

2200K available on request.

Alimentación eléctrica remota de 24V que se tiene que pedir por separado.
Precisa caja para la instalación, que se tiene que pedir por separado.

2200K disponible bajo pedido.

**Power Led:** 2,3W - 188 lm ≠ FIXT 32 lm - 2700K/CRI 80 - 24V / 2,3W - 195 lm ≠ FIXT 34 lm - 3000K/CRI 80 - 24V / 2,3W - 202 lm ≠ FIXT 36 lm - 4000K/CRI 80 - 24V

**2700K**

Non Dimmable
- F004A25A056

PWM Dimmable
- F004A25H056

**3000K**

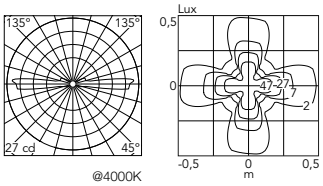
Non Dimmable
- F004A35A056

PWM Dimmable
- F004A35H056

**4000K**

Non Dimmable
- F004A45A056

PWM Dimmable
- F004A45H056




@4000K

* Maximum number of luminaires per power supply / Número máximo de luminarias por fuente de alimentación.

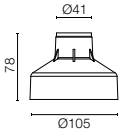
Maximum number of luminaires per power supply. (220÷240 V). These data must be checked taking into account the specific installation conditions.

Número máximo de luminarias por fuente de alimentación (220÷240 V). Estos datos deben ser comprobados teniendo en cuenta las condiciones específicas de instalación.

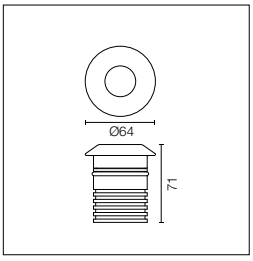
| Non Dimmable | | Dimmable | |
|---|---|---|---|
| Acc. RF25754 | 2 | Acc. F990B02A000 | 13 |
| Acc. RF25748 | 2 | Acc. F990B03A000 | 13 |
| Acc. RF25747 | 3 | Acc. F990B16A000 | 13 |
| Acc. RF25757 | 3 | Acc. F990B04A000 | 28 |
| Acc. F990B23AZ00 | 9 | Acc. F990B05A000 | 28 |
| Acc. F990B28A000 | 14 | Acc. F990B17A000 | 28 |
| Acc. F990B27A000 | 29 | | |

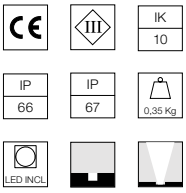
## Landlord Ground Ø49: Accessories / Accesorios

Box for installation. Encofrado. F004Z0J0000



## Landlord Ground 64




24V remote power supply to be ordered separately.
Necessary box for installation, to be ordered separately.

2200K available on request.

Alimentación eléctrica remota de 24V que se tiene que pedir por separado.
Precisa caja para la instalación, que se tiene que pedir por separado.

2200K disponible bajo pedido.

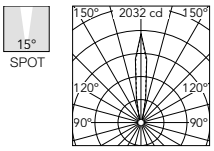
**Power Led:** 3,4W - 251 lm ≠ *FIXT 183 lm - 2700K/CRI 80 - 24V / 3,4W - 260 lm ≠ *FIXT 189 lm - 3000K/CRI 80 - 24V / 3,4W - 270 lm ≠ *FIXT 196 lm - 4000K/CRI 80 - 24V
*FIXT lm = Spot Optic

### Optic Spot 15º

**2700K**
Non Dimmable
F004B21A056
PWM Dimmable
F004B21H056
Non Dimmable with honeycomb
F004B26A05601

**3000K**
Non Dimmable
F004B31A056
PWM Dimmable
F004B31H056
Non Dimmable with honeycomb
F004B36A05601

**4000K**
Non Dimmable
F004B41A056
PWM Dimmable
F004B41H056
Non Dimmable with honeycomb
F004B46A05601




@4000K

Beam Angle: 15°

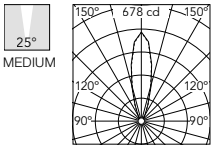
| h(m) | E(lx) | D(m) |
|---|---|---|
| 1 | 2032 | 0.27 |
| 2 | 508 | 0.53 |
| 3 | 226 | 0.80 |
| 4 | 127 | 1.06 |
| 5 | 81 | 1.33 |

### Optic Medium 25º

**2700K**
Non Dimmable
F004B22A056
PWM Dimmable
F004B22H056
Non Dimmable with honeycomb
F004B27A05602

**3000K**
Non Dimmable
F004B32A056
PWM Dimmable
F004B32H056
Non Dimmable with honeycomb
F004B37A05602

**4000K**
Non Dimmable
F004B42A056
PWM Dimmable
F004B42H056
Non Dimmable with honeycomb
F004B47A05602

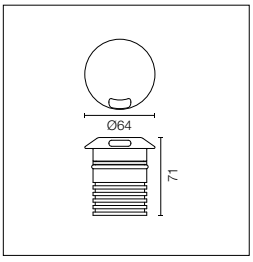


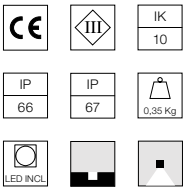

@4000K

Beam Angle: 25°

| h(m) | E(lx) | D(m) |
|---|---|---|
| 1 | 678 | 0.46 |
| 2 | 169 | 0.92 |
| 3 | 75 | 1.38 |
| 4 | 42 | 1.84 |
| 5 | 27 | 2.30 |

## Landlord Ground 64 1 Beam




24V remote power supply to be ordered separately.
Necessary box for installation, to be ordered separately.

2200K available on request.

Alimentación eléctrica remota de 24V que se tiene que pedir por separado.
Precisa caja para la instalación, que se tiene que pedir por separado.

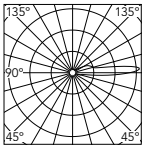
2200K disponible bajo pedido.

**Power Led:** 3,4W - 251 lm ≠ FIXT 11 lm - 2700K/CRI 80 - 24V / 3,4W - 260 lm ≠ FIXT 12 lm - 3000K/CRI 80 - 24V / 3,4W - 270 lm ≠ FIXT 12 lm - 4000K/CRI 80 - 24V

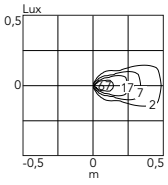
**2700K**
Non Dimmable
F004B23A056
PWM Dimmable
F004B23H056

**3000K**
Non Dimmable
F004B33A056
PWM Dimmable
F004B33H056

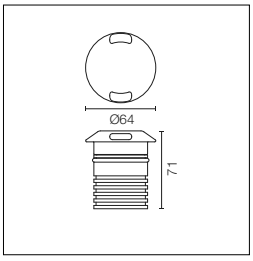
**4000K**
Non Dimmable
F004B43A056
PWM Dimmable
F004B43H056

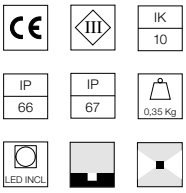



@4000K



## Landlord Ground 64 2 Beams




24V remote power supply to be ordered separately.
Necessary box for installation, to be ordered separately.

2200K available on request.

Alimentación eléctrica remota de 24V que se tiene que pedir por separado.
Precisa caja para la instalación, que se tiene que pedir por separado.

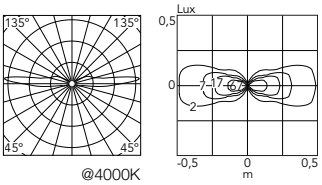
2200K disponible bajo pedido.

**Power Led:** 3,4W - 251 lm ≠ FIXT 22 lm - 2700K/CRI 80 - 24V / 3,4W - 260 lm ≠ FIXT 23 lm - 3000K/CRI 80 - 24V / 3,4W - 270 lm ≠ FIXT 24 lm - 4000K/CRI 80 - 24V

**2700K**
Non Dimmable
F004B24A056
PWM Dimmable
F004B24H056

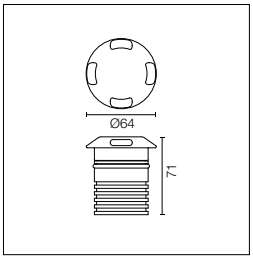
**3000K**
Non Dimmable
F004B34A056
PWM Dimmable
F004B34H056

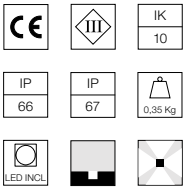
**4000K**
Non Dimmable
F004B44A056
PWM Dimmable
F004B44H056



@4000K

## Landlord Ground 64 4 Beams




24V remote power supply to be ordered separately.
Necessary box for installation, to be ordered separately.

2200K available on request.

Alimentación eléctrica remota de 24V que se tiene que pedir por separado.
Precisa caja para la instalación, que se tiene que pedir por separado.

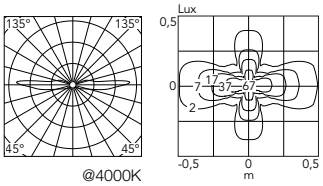
2200K disponible bajo pedido.

**Power Led:** 3,4W - 251 lm ≠ FIXT 44 lm - 2700K/CRI 80 - 24V / 3,4W - 260 lm ≠ FIXT 46 lm - 3000K/CRI 80 - 24V / 3,4W - 270 lm ≠ FIXT 48 lm - 4000K/CRI 80 - 24V

**2700K**
Non Dimmable
F004B25A056
PWM Dimmable
F004B25H056

**3000K**
Non Dimmable
F004B35A056
PWM Dimmable
F004B35H056

**4000K**
Non Dimmable
F004B45A056
PWM Dimmable
F004B45H056



@4000K

* Maximum number of luminaires per power supply / Número máximo de luminarias por fuente de alimentación.

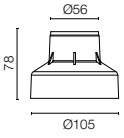
Maximum number of luminaires per power supply. (220÷240 V). These data must be checked taking into account the specific installation conditions.

Número máximo de luminarias por fuente de alimentación (220÷240 V). Estos datos deben ser comprobados teniendo en cuenta las condiciones específicas de instalación.

| Non Dimmable | | Dimmable | |
|---|---|---|---|
| Acc. RF25754 | 1 | Acc. F990B02A000 | 7 |
| Acc. RF25748 | 1 | Acc. F990B03A000 | 7 |
| Acc. RF25747 | 3 | Acc. F990B16A000 | 7 |
| Acc. RF25757 | 3 | Acc. F990B04A000 | 17 |
| Acc. F990B23AZ00 | 7 | Acc. F990B05A000 | 17 |
| Acc. F990B28A000 | 9 | Acc. F990B17A000 | 17 |
| Acc. F990B27A000 | 17 | | |

## Landlord Ground Ø64: Accessories / Accesorios

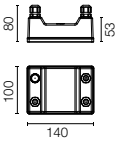
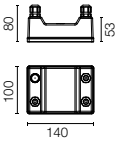
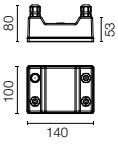
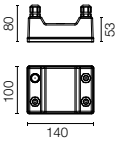
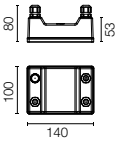
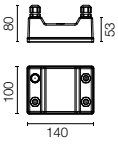
Box for installation. Encofrado. F004Z0K0000



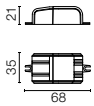
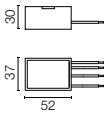
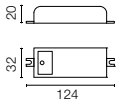
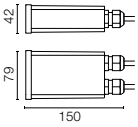
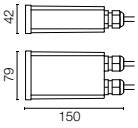
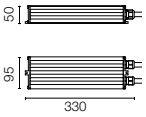
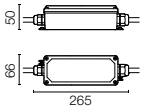
## Landlord: Accessories / Accesorios

| | | | | |
|---|---|---|---|---|
| 2 way terminal block 2 poles IP68. (Ø4÷6,9mm cable).<br><br>It can't be placed in the recessed box for installation. | Bloque de terminales IP68 con 2 vías y 2 polos. (Cable Ø4÷6,9mm).<br><br>No se puede alojar en la caja para empotrar. | F990C050000 | | |

## Landlord (all versions): Power Supply Dimmable

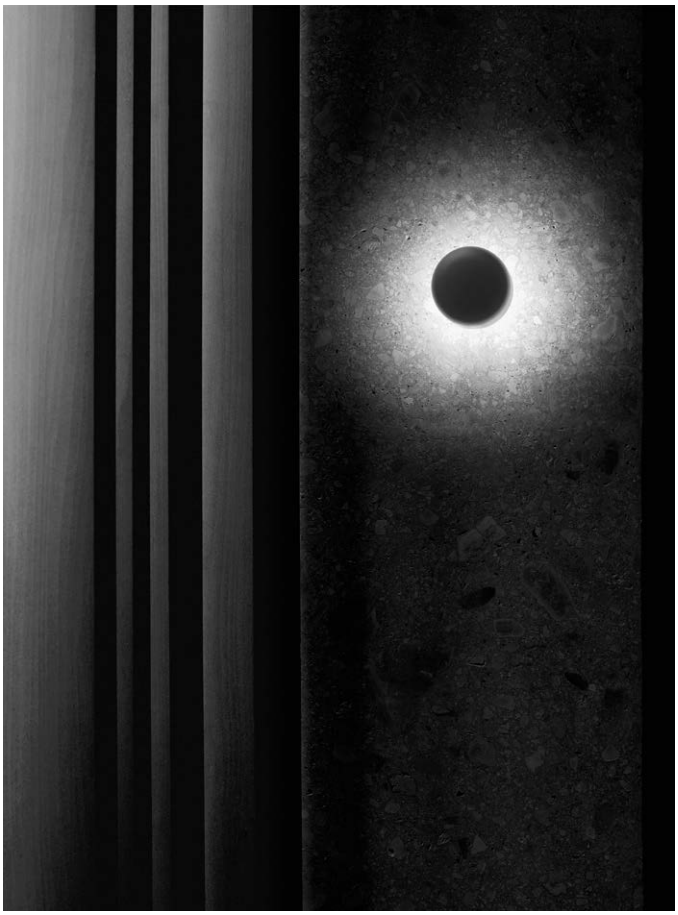
| | | | | |
|---|---|---|---|---|
| Power supply 24v PWM with 1-10V control interface IP67 Class II. Vin 120-270 Vac. | Fuente de alimentación 24v PWM con interfaz de control 1-10V / IP67 Clase II. Vin 120-270 Vac. | 35W<br>*F990B02A000<br>70W<br>*F990B04A000 | |  |
| Power supply 24v PWM with DALI control interface IP67 Class II. Vin 120-270 Vac. | Fuente de alimentación 24v PWM con interfaz de control DALI / IP67 Clase II. Vin 120-270 Vac. | 35W<br>*F990B03A000<br>70W<br>*F990B05A000 | |  |
| Power supply 24v PWM with PUSH control interface IP67 Class II. Vin 120-270 Vac. | Fuente de alimentación 24v PWM con interfaz de control PUSH / IP67 Clase II. Vin 120-270 Vac. | 35W<br>*F990B16A000<br>70W<br>*F990B17A000 | |  |
| Control interface 24V PWM - 1-10V IP67 Class III. Vin 24Vdc 120W (Power supply not included). | Interfaz de control 24V PWM - 1-10V IP67 Class III. Vin 24Vdc 120W (Fuente de alimentación no incluida). | F990B00A000 | |  |
| Control interface 24V PWM Dali IP67 Class III. Vin 24Vdc 120W (Power supply not included). | Interfaz de control 24V PWM - Dali IP67 Class III. Vin 24Vdc 120W (Fuente de alimentación no incluida). | F990B01A000 | |  |
| Control interface 24V PWM Push IP67 Class III. Vin 24Vdc 120W (Power supply not included). | Interfaz de control 24V PWM - Push IP67 Class III. Vin 24Vdc 120W (Fuente de alimentación no incluida). | F990B18A000 | |  |

## Landlord: Power Supply Non Dimmable

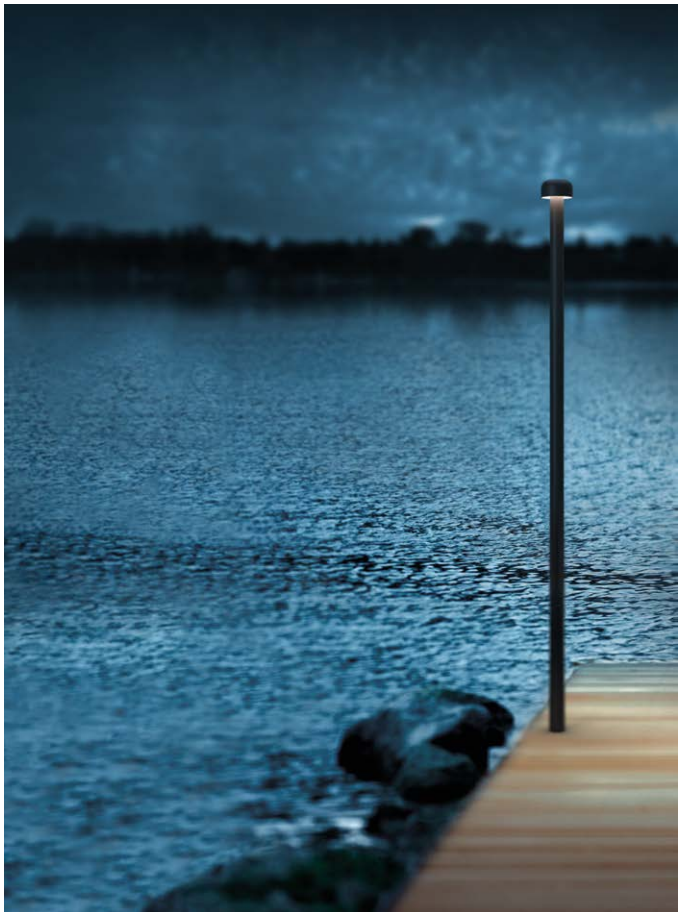
| | | | | |
|---|---|---|---|---|
| Power supply dual function 24V / 350mA IP20 Class II selv. no dimmable. | Transformador de doble función 24V / 350mA IP20 Clase II selv.000 no regulable. | *RF25754 | |   |
| Power supply dual function 24V / Iout 350mA 110-240V IP65. | Transformador de doble función 24V / Iout 350mA 110-240V IP65. | *RF25748 | |   |
| Power supply 24V 10W /110-240V IP20 Class II selv. | Transformador 24V 10W / 110-240V IP20 Clase II selv. | *RF25747 | |   |
| Power supply 24V 10W / 110-240V IP67 Class II selv. | Transformador 24V 10W / 110-240V IP67 Clase II selv. | *RF25757 | |   |
| Power supply 24Vdc 35W / 120-270V IP67 Class II selv. | Fuente de alimentación 24Vdc 35W / 120-270V IP67 Clase II selv. | F990B23AZ00 | |   |
| Power supply 24Vdc 50W / 120-240V IP67 Class II selv. | Transformador 24Vdc 50W / 120-240V IP67 Clase II selv. | *F990B28A000 | |   |
| Power supply 24Vdc 70W / 220-240V IP67 Class II selv. | Transformador 24Vdc 70W / 220-240V IP67 Clase II selv. | *F990B27A000 | |   |

## Bellhop

Designed by Edward Barber & Jay Osgerby



Bellhop Wall



Bellhop Pole

Bellhop Bollard

## Family / Familia

Bellhop Wall

**Power Led**
8W
551 lm - 2700K/CRI 80
580 lm - 3000K/CRI 80
607 lm - 4000K/CRI 80
2200K available on request.

Bellhop Bollard

**Power Led**
8W
551 lm - 2700K/CRI 80
580 lm - 3000K/CRI 80
607 lm - 4000K/CRI 80
2200K available on request.

Bellhop Pole

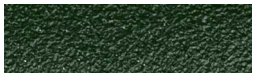
**Power Led**
30W
2490 lm - 2700K/CRI 80
2590 lm - 3000K/CRI 80
2760 lm - 4000K/CRI 80
2200K available on request.

## Colours / Colores



01 White*

06 Grey

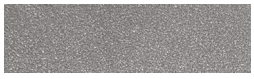


12 Forest Green*

18 Deep Brown

30 Black*

33 Anthracite



56 Matt Stainless Steel*

* Only for bollard and wall versions. / Sólo para las versiones bolardo y pared.

**Bellhop Wall**
Wall light version of the Bellhop Outdoor Collection for diffuse light, made of extruded and die-cast aluminium or stainless steel.

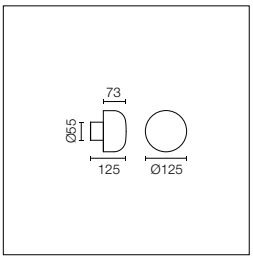
**Bellhop Bollard**
Bollard version of the Bellhop Outdoor Collection for diffuse light. Made of extruded and die-cast aluminium or stainless steel, Bellhop is available in two heights for the bollard model and with different lumens and luminaire outputs as to comply with any outdoor setting and lighting scenario need.

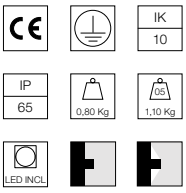
**Bellhop Pole**
Pole version of the Bellhop Outdoor Collection for diffuse light.
Aluminum head mounted on a 3m or 4m long extruded pole, available for installation on rigid surface or in ground.

**Bellhop Wall**
Versión de pared de la colección Bellhop para exteriores para una luz difusa, hecha con aluminio extruido y fundido o acero inoxidable.

**Bellhop Bollard**
Versión de bolardo de la colección Bellhop para exteriores para una luz difusa. Hecha de aluminio extruido y fundido o acero inoxidable, Bellhop está disponible en dos alturas para el modelo de bolardo, con distintos lúmenes y haces de luz con el fin de ajustarse a cualquier necesidad de iluminación y configuración de exteriores.

**Bellhop Pole**
Versión con poste de la colección Bellhop Outdoor para una luz difusa.
Cabezal de aluminio montado sobre un poste extruido de 3m o 4m de largo, disponible para su instalación sobre una superficie rígida o en el suelo.




100-240V power supply integrated. Direct wall installation.
Each luminaire is equipped with 200 mm lenght cable for connection inside the luminaire body.
Reccomended connection wit a 2 way terminal block 4 poles IP68 $H_2O$ Stop, to be ordered separately.

2200K available on request.

Suministro eléctrico de 100-240V integrado. Acoplamiento directo a la pared.
Cada luminaria está dotada de un segmento de 200 mm de cable para conexión dentro del cuerpo de la luminaria.
Se aconseja realizar la conexión con un bloque de terminales IP68 $H_2O$ Stop anticondensación con 2 vías y 4 polos, que hay que pedir por separado.

2200K disponible bajo pedido.

**Power Led:** 8W - 783 lm ≠ FIXT 551 lm - 2700K/CRI 80 - 100-240V / 8W - 816 lm ≠ FIXT 580 lm - 3000K/CRI 80 - 100-240V / 8W - 873 lm ≠ FIXT 607 lm - 4000K/CRI 80 - 100-240V

**2700K**
Non Dimmable
- F003C21A001
- F003C21A006
- F003C21A012
- F003C21A018
- F003C21A030
- F003C21A033
- F003C21A056

1-10V
- F003C21B001
- F003C21B006
- F003C21B012
- F003C21B018
- F003C21B030
- F003C21B033
- F003C21B056

Dali
- F003C21D001
- F003C21D006
- F003C21D012
- F003C21D018
- F003C21D030
- F003C21D033
- F003C21D056

**3000K**
Non Dimmable
- F003C31A001
- F003C31A006
- F003C31A012
- F003C31A018
- F003C31A030
- F003C31A033
- F003C31A056

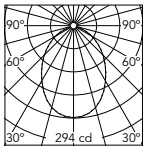
1-10V
- F003C31B001
- F003C31B006
- F003C31B012
- F003C31B018
- F003C31B030
- F003C31B033
- F003C31B056

Dali
- F003C31D001
- F003C31D006
- F003C31D012
- F003C31D018
- F003C31D030
- F003C31D033
- F003C31D056

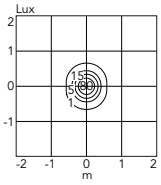
**4000K**
Non Dimmable
- F003C41A001
- F003C41A006
- F003C41A012
- F003C41A018
- F003C41A030
- F003C41A033
- F003C41A056

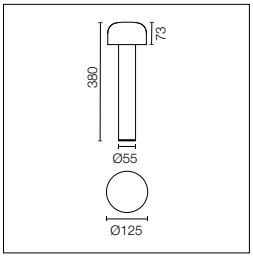
1-10V
- F003C41B001
- F003C41B006
- F003C41B012
- F003C41B018
- F003C41B030
- F003C41B033
- F003C41B056

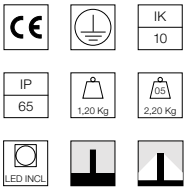
Dali
- F003C41D001
- F003C41D006
- F003C41D012
- F003C41D018
- F003C41D030
- F003C41D033
- F003C41D056




@4000K






100-240V power supply included. Ready for installation on solid surface.
Each luminaire is equipped with 200 mm cable for connection inside the luminaire body.
Reccomended connection wit a 2 way terminal block 4 poles IP68 $H_2O$ Stop, to be ordered separately.

2200K available on request.

Suministro eléctrico de 100-240V incluido. Lista para su instalación sobre una superficie sólida.
Cada luminaria está dotada de un segmento de 200 mm de cable para conexión dentro del cuerpo de la luminaria.
Se aconseja realizar la conexión con un bloque de terminales IP68 $H_2O$ Stop anticondensación con 2 vías y 4 polos, que hay que pedir por separado.

2200K disponible bajo pedido.

**Power Led:** 8W - 783 lm ≠ FIXT 551 lm - 2700K/CRI 80 - 100-240V / 8W - 816 lm ≠ FIXT 580 lm - 3000K/CRI 80 - 100-240V / 8W - 873 lm ≠ FIXT 607 lm - 4000K/CRI 80 - 100-240V

**2700K**
Non Dimmable
- F003A21A001
- F003A21A006
- F003A21A012
- F003A21A018
- F003A21A030
- F003A21A033
- F003A21A056

1-10V
- F003A21B001
- F003A21B006
- F003A21B012
- F003A21B018
- F003A21B030
- F003A21B033
- F003A21B056

Dali
- F003A21D001
- F003A21D006
- F003A21D012
- F003A21D018
- F003A21D030
- F003A21D033
- F003A21D056

**3000K**
Non Dimmable
- F003A31A001
- F003A31A006
- F003A31A012
- F003A31A018
- F003A31A030
- F003A31A033
- F003A31A056

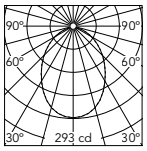
1-10V
- F003A31B001
- F003A31B006
- F003A31B012
- F003A31B018
- F003A31B030
- F003A31B033
- F003A31B056

Dali
- F003A31D001
- F003A31D006
- F003A31D012
- F003A31D018
- F003A31D030
- F003A31D033
- F003A31D056

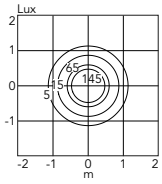
**4000K**
Non Dimmable
- F003A41A001
- F003A41A006
- F003A41A012
- F003A41A018
- F003A41A030
- F003A41A033
- F003A41A056

1-10V
- F003A41B001
- F003A41B006
- F003A41B012
- F003A41B018
- F003A41B030
- F003A41B033
- F003A41B056

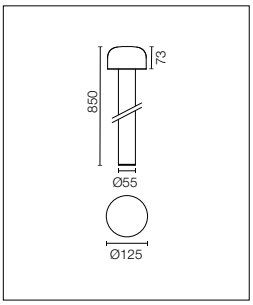
Dali
- F003A41D001
- F003A41D006
- F003A41D012
- F003A41D018
- F003A41D030
- F003A41D033
- F003A41D056

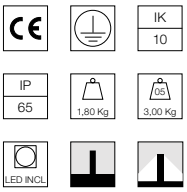



@4000K



## Bellhop Bollard 850




100-240V power supply included. Ready for installation on solid surface.
Each luminaire is equipped with 200 mm cable for connection inside the luminaire body.
Reccomended connection wit a 2 way terminal block 4 poles IP68 $H_2O$ Stop, to be ordered separately.

2200K available on request.

Suministro eléctrico de 100-240V incluido. Lista para su instalación sobre una superficie sólida.
Cada luminaria está dotada de un segmento de 200 mm de cable para conexión dentro del cuerpo de la luminaria.
Se aconseja realizar la conexión con un bloque de terminales IP68 $H_2O$ Stop anticondensación con 2 vías y 4 polos, que hay que pedir por separado.

2200K disponible bajo pedido.

**Power Led:** 8W - 783 lm ≠ FIXT 551 lm - 2700K/CRI 80 - 100-240V / 8W - 816 lm ≠ FIXT 580 lm - 3000K/CRI 80 - 100-240V / 8W - 873 lm ≠ FIXT 607 lm - 4000K/CRI 80 - 100-240V

**2700K**
Non Dimmable
- F003B21A001
- F003B21A006
- F003B21A012
- F003B21A018
- F003B21A030
- F003B21A033
- F003B21A056

1-10V
- F003B21B001
- F003B21B006
- F003B21B012
- F003B21B018
- F003B21B030
- F003B21B033
- F003B21B056

Dali
- F003B21D001
- F003B21D006
- F003B21D012
- F003B21D018
- F003B21D030
- F003B21D033
- F003B21D056

**3000K**
Non Dimmable
- F003B31A001
- F003B31A006
- F003B31A012
- F003B31A018
- F003B31A030
- F003B31A033
- F003B31A056

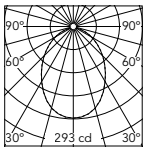
1-10V
- F003B31B001
- F003B31B006
- F003B31B012
- F003B31B018
- F003B31B030
- F003B31B033
- F003B31B056

Dali
- F003B31D001
- F003B31D006
- F003B31D012
- F003B31D018
- F003B31D030
- F003B31D033
- F003B31D056

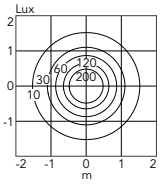
**4000K**
Non Dimmable
- F003B41A001
- F003B41A006
- F003B41A012
- F003B41A018
- F003B41A030
- F003B41A033
- F003B41A056

1-10V
- F003B41B001
- F003B41B006
- F003B41B012
- F003B41B018
- F003B41B030
- F003B41B033
- F003B41B056

Dali
- F003B41D001
- F003B41D006
- F003B41D012
- F003B41D018
- F003B41D030
- F003B41D033
- F003B41D056



@4000K

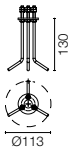



## Bellhop Bollard: Accessories / Accesorios

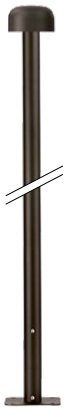
Base plate with bolt.

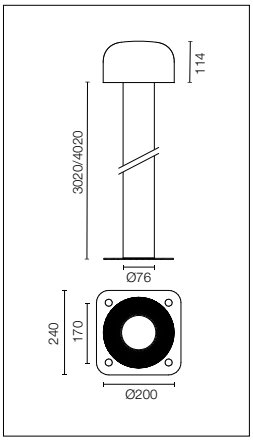
Placa con tirafondos.

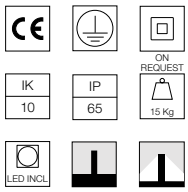
Bellhop Bollard Ø125
F003Z010000



## Bellhop Pole with base






220-240V power supply included.
Ready for installation on solid surface.
Base plate available as accessory.
Each luminaire is equipped with 200 mm cable for connection inside the luminaire body.
Reccomended connection wit a 2 way terminal block 4 poles IP68 $H_2O$ Stop, to be ordered separately.
110V and dimmable versions available on request.

2200K available on request.

Suministro eléctrico de 220-240V incluido. Lista para su instalación sobre una superficie sólida.
Placa base disponible como accesorio.
Cada luminaria está dotada de un segmento de 200 mm de cable para conexión dentro del cuerpo de la luminaria.
Se aconseja realizar la conexión con un bloque de terminales IP68 $H_2O$ Stop anticondensación con 2 vías y 4 polos, que hay que pedir por separado.
Las versiones de 110V y regulables están disponibles bajo pedido.

2200K disponible bajo pedido.

**Power Led:** 30W - 3090 lm ≠ FIXT 2490 lm - 2700K/CRI 80 - 220-240V / 30W - 3220 lm ≠ FIXT 2590 lm - 3000K/CRI 80 - 220-240V / 30W - 3430 lm ≠ FIXT 2760 lm - 4000K/CRI 80 - 220-240V

**2700K**

H 3020 mm
Non Dimmable
- F003H21A006
- F003H21A018
- F003H21A033

1-10V
- F003H21B006
- F003H21B018
- F003H21B033

Dali
- F003H21D006
- F003H21D018
- F003H21D033

**3000K**

H 3020 mm
Non Dimmable
- F003H31A006
- F003H31A018
- F003H31A033

1-10V
- F003H31B006
- F003H31B018
- F003H31B033

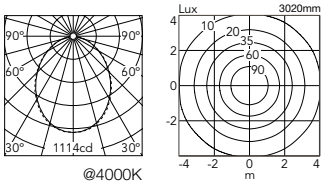
Dali
- F003H31D006
- F003H31D018
- F003H31D033

**4000K**

H 3020 mm
Non Dimmable
- F003H41A006
- F003H41A018
- F003H41A033

1-10V
- F003H41B006
- F003H41B018
- F003H41B033

Dali
- F003H41D006
- F003H41D018
- F003H41D033



@4000K

**2700K**

H 4020 mm
Non Dimmable
- F003L21A006
- F003L21A018
- F003L21A033

1-10V
- F003L21B006
- F003L21B018
- F003L21B033

Dali
- F003L21D006
- F003L21D018
- F003L21D033

**3000K**

H 4020 mm
Non Dimmable
- F003L31A006
- F003L31A018
- F003L31A033

1-10V
- F003L31B006
- F003L31B018
- F003L31B033

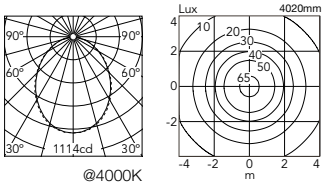
Dali
- F003L31D006
- F003L31D018
- F003L31D033

**4000K**

H 4020 mm
Non Dimmable
- F003L41A006
- F003L41A018
- F003L41A033

1-10V
- F003L41B006
- F003L41B018
- F003L41B033

Dali
- F003L41D006
- F003L41D018
- F003L41D033



@4000K

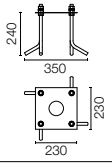
## Bellhop Pole: Accessories / Accesorios

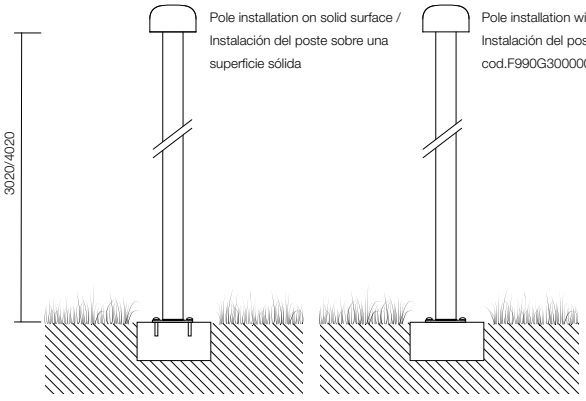
Base plate with bolt for Bellhop Pole with base version.

Placa base con tirafondos para poste Bellhop en la versión con base.

Bellhop Pole Ø200

F990G300000

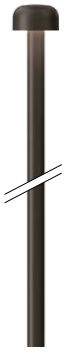


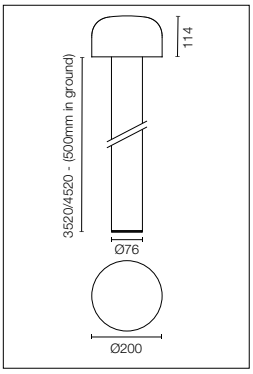



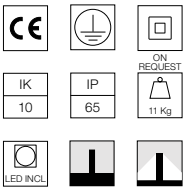

Pole installation on solid surface / Instalación del poste sobre una superficie sólida

Pole installation with base plate with bolt / Instalación del poste con placa base con tirafondos cod.F990G300000

## Bellhop Pole Inground






220-240V power supply included.
Ready for inground installation.
Each luminaire is equipped with 200 mm cable for connection inside the luminaire body.
Reccomended connection wit a 2 way terminal block 4 poles IP68 $H_2O$ Stop, to be ordered separately.
110V and dimmable versions available on request.

2200K available on request.

Suministro eléctrico de 220-240V incluido.
Preparada para instalaciones en el suelo.
Cada luminaria está dotada de un segmento de 200 mm de cable para conexión dentro del cuerpo de la luminaria.
Se aconseja realizar la conexión con un bloque de terminales IP68 $H_2O$ Stop anticondensación con 2 vías y 4 polos, que hay que pedir por separado.
Las versiones de 110V y regulables están disponibles bajo pedido.

2200K disponible bajo pedido.

**Power Led:** 30W - 3090 lm ≠ FIXT 2490 lm - 2700K/CRI 80 - 220-240V / 30W - 3220 lm ≠ FIXT 2590 lm - 3000K/CRI 80 - 220-240V / 30W - 3430 lm ≠ FIXT 2760 lm - 4000K/CRI 80 - 220-240V

### 2700K
H 3520 mm
Non Dimmable
- F003G21A006
- F003G21A018
- F003G21A033

1-10V
- F003G21B006
- F003G21B033
- F003G21B018

Dali
- F003G21D006
- F003G21D018
- F003G21D033

### 3000K
H 3520 mm
Non Dimmable
- F003G31A006
- F003G31A018
- F003G31A033

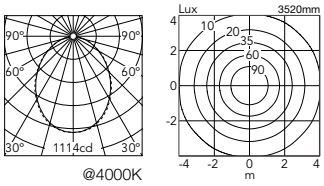
1-10V
- F003G31B006
- F003G31B018
- F003G31B033

Dali
- F003G31D006
- F003G31D018
- F003G31D033

### 4000K
H 3520 mm
Non Dimmable
- F003G41A006
- F003G41A018
- F003G41A033

1-10V
- F003G41B006
- F003G41B018
- F003G41B033

Dali
- F003G41D006
- F003G41D018
- F003G41D033



@4000K

### 2700K
H 4520 mm
Non Dimmable
- F003K21A006
- F003K21A018
- F003K21A033

1-10V
- F003K21B006
- F003K21B018
- F003K21B033

Dali
- F003K21D006
- F003K21D018
- F003K21D033

### 3000K
H 4520 mm
Non Dimmable
- F003K31A006
- F003K31A018
- F003K31A033

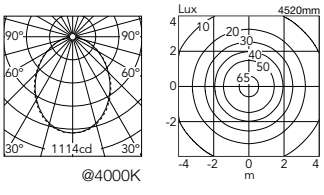
1-10V
- F003K31B006
- F003K31B018
- F003K31B033

Dali
- F003K31D006
- F003K31D018
- F003K31D033

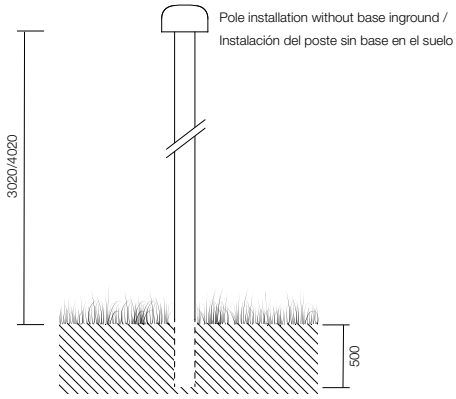
### 4000K
H 4520 mm
Non Dimmable
- F003K41A006
- F003K41A018
- F003K41A033

1-10V
- F003K41B006
- F003K41B018
- F003K41B033

Dali
- F003K41D006
- F003K41D018
- F003K41D033



@4000K

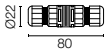


2 way terminal block 4 poles IP68 $H_2O$ Stop. (ø5,5÷12mm cable).

Bloque de terminales IP68 $H_2O$ Stop anticondensación con 2 vías y 4 polos. (Cable ø5,5÷12 mm).

Bellhop Wall / Bollard / Pole

F990C00A000

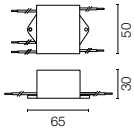



Surge protection device. 275Vac. Maximum discharge current 10KA (8/20us). Maximum operating current 5A. Suitable for series connection. IP66.

Dispositivo de protección contra sobrecargas. 275 Vac. Corriente de descarga máxima 10KA (8/20us). Corriente máxima de funcionamiento 5A. Apta para conexión en serie. IP66.

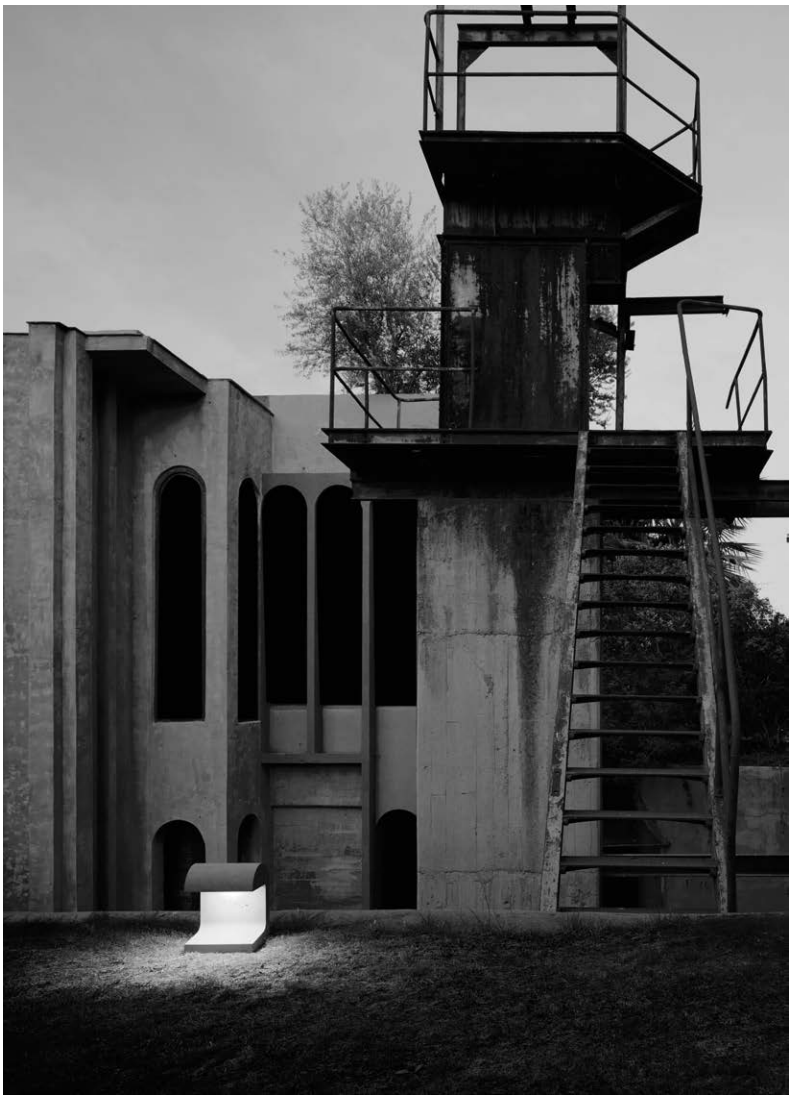
Bellhop Wall / Bollard / Pole

F990E00A000

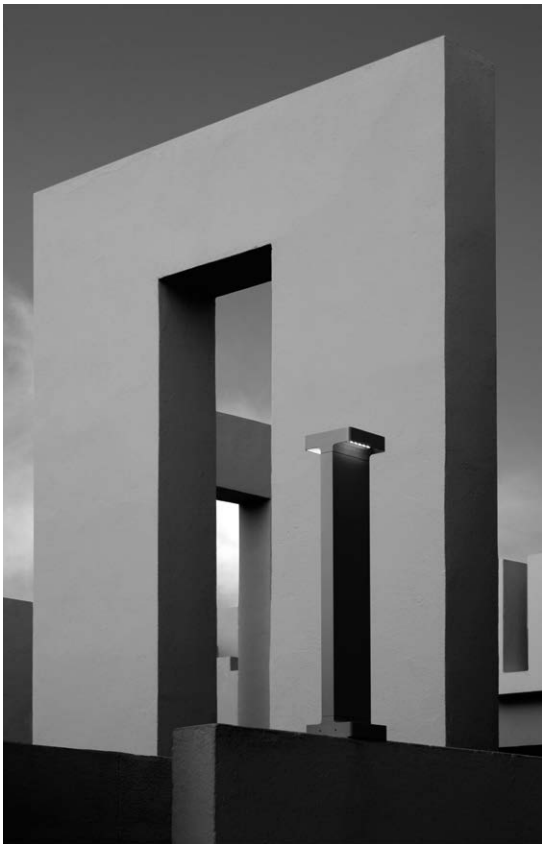


# Casting

Designed by Vincent Van Duysen



Casting Concrete



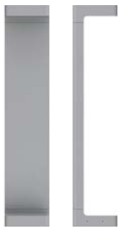
Casting T

## Family / Familia

Casting Concrete

**Power Led**
9W
427 lm - 2700K/CRI 80
513 lm - 3000K/CRI 80
526 lm - 4000K/CRI 80

Casting C



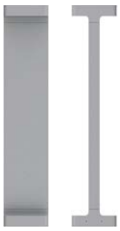
W: **100**
H: 200 / **500** / 700 mm

**Power Led**
7W
272 lm - 2700K/CRI 80
295 lm - 3000K/CRI 80
317 lm - 4000K/CRI 80
2200K available on request.

W: **150**
H: 250 / **500** / 850 mm

**Power Led**
12W
565 lm - 2700K/CRI 80
813 lm - 3000K/CRI 80
660 lm - 4000K/CRI 80
2200K available on request.

Casting T



W: **100**
H: 200 / **500** / 700 mm

**Power Led**
12W
2x272 lm - 2700K/CRI 80
2x295 lm - 3000K/CRI 80
2x317 lm - 4000K/CRI 80
2200K available on request.

W: **150**
H: 250 / **500** / 850 mm

**Power Led**
21W
2x565 lm - 2700K/CRI 80
2x813 lm - 3000K/CRI 80
2x660 lm - 4000K/CRI 80
2200K available on request.

## Colours / Colores

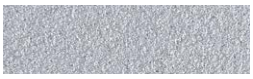
Casting Concrete

89 Concrete

Casting C / T



01 White



06 Grey

12 Forest Green

18 Deep Brown

30 Black

33 Anthracite

Collection of outdoor bollard lights with LED light source.

**Casting Concrete**
The body of the Round version is made from a mould, with poured concrete consisting of cement, fine inert materials for aggregating purposes, and reinforcing fibers. Each article is manufactured individually with a handcrafted process: minor aesthetic and color differences between one luminaire and another are the sign of the uniqueness of each lamp. Each luminaire has a frosted polycarbonate diffuser glued to the heat sink of the product to ensure a watertight seal (UV stabilized to minimise yellowing).
The luminaire is provided with a segment of outgoing cable in neoprene, with a kit of electrical connection for single multicore cable, and with dowels for installation on full and solid surfaces.
The fixing plate for installation on cement paving, poured concrete, or on plinth is available as an accessory.

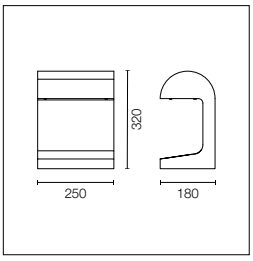
**Casting C/T**
The body of the versions C and T is made of extruded aluminum, base and diffuser in die-cast aluminum EN AB-47100 with a low copper content.
High-resistance coating: after a sandblasting treatment of all components to make the surface porous and ensure a greater adhesion of the paint, the external coating is applied with a double layer with epoxy powders according to the QUALICOAT standard. The first layer of epoxy powder gives chemical and mechanical resistance, the second finishing layer of polyester powder ensures resistance to UV rays and atmospheric agents.
The painted surfaces are treated with alkaline and acidic washes, then rinsed with demineralized water, subjected to a chemical conversion treatment to protect against oxidation. A glass diffuser is glued to the heat sink of the product to ensure a watertight seal, micro-texturized to ensure homogeneous and uniform distribution of the light.
The luminaire is provided with a segment of outgoing cable in neoprene.

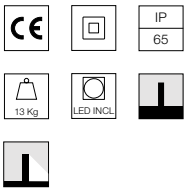
Colección de pequeños postes luminosos para exterior, provistos de luz LED.

**Casting Concrete**
El cuerpo de la versión Concrete está realizado en molde, con colada de hormigón compuesto de cemento, aditivos inertes finos y fibras de refuerzo. Cada artículo está realizado individualmente siguiendo un proceso artesanal: las diferencias mínimas estéticas y de color entre un aparato y otro son muestra de la exclusividad de cada luminaria. Cada aparato tiene un difusor de policarbonato satinado adherido al disipador del producto para garantizar el sellado hermético (estabilizado contra los rayos UV para minimizar el proceso de amarilleado).
El producto está dotado de una sección de cable de neopreno que sobresale, un kit de conexión eléctrica para cable multipolar sencillo y tacos para la instalación en superficies sólidas y duras.
La placa de sujeción está disponible como accesorio para la instalación en hormigón, pavimentación dura o en pedestal.

**Casting C/T**
El cuerpo de las versiones C y T está fabricado en aluminio extruido, la base y el difusor en aluminio fundido EN AB-47100 con un bajo contenido en cobre.
Revestimiento de alta resistencia: después de un tratamiento de arenado de todos los componentes para hacer que la superficie sea porosa y garantizar una mayor adhesión de la pintura, se aplica el revestimiento externo con una doble capa de polvo según la norma QUALICOAT. La primera capa de polvo epoxídico confiere resistencia química y mecánica, la segunda capa de acabado de polvo de poliéster garantiza la resistencia a los rayos UV y a los agentes atmosféricos.
Las superficies pintadas están tratadas con lavados alcalinos y ácidos, enjuagadas con agua desmineralizada y sometidas a un tratamiento de conversión química para protegerlas contra la oxidación. Difusor de vidrio adherido al disipador del producto para garantizar el sellado hermético y microtexturizado para garantizar una distribución homogénea y uniforme de la luz.
El producto está dotado de una sección de cable de neopreno que sobresale.

## Casting Concrete



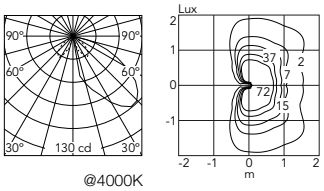




220/240V power supply integrated.

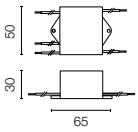
Fuente de alimentación 220/240V integrada.

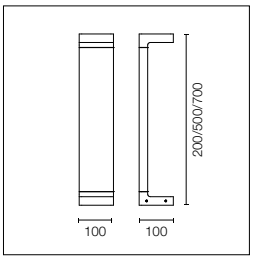
**Power Led:** 9W - 650 lm ≠ FIXT 427 lm - 2700K/CRI 80 - 220-240V / 9W - 780 lm ≠ FIXT 513 lm - 3000K/CRI 80 - 220-240V / 9W - 800 lm ≠ FIXT 526 lm - 4000K/CRI 80 - 220-240V

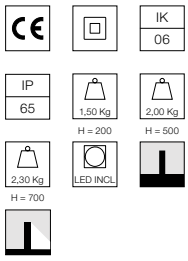
| 2700K | 3000K | 4000K |
|---|---|---|
| ● F1330089.A | ● F1331089.A | ● F1332089.A |




## Casting Concrete: Accessories / Accesorios

| | | | |
|---|---|---|---|
| Base plate with bolt. | Placa con tirafondos. | F1209000 | |
| 3/4 way terminal block 4 poles IP68 H2O Stop. (ø5,5÷12mm cable). | Bloque de terminales IP68 H2O Stop anticondensación con 3/4 vías y 4 polos. (Cable ø5,5÷12 mm). | F990C010000 | |
| Surge protection device. 275Vac. Maximum discharge current 10KA (8/20us). Maximum operating current 5A. Suitable for series connection. IP66. | Dispositivo de protección contra sobrecargas. 275 Vac. Corriente de descarga máxima 10KA (8/20us). Corriente máxima de funcionamiento 5A. Apta para conexión en serie. IP66. | F990E00A000 |   |




110/240V power supply integrated.

2200K available on request.

Fuente de alimentación 110/240V integrada.

2200K disponible bajo pedido.

**Power Led:** 7W - 540 lm ≠ FIXT 272 lm - 2700K/CRI 80 - 110-240V / 7W - 585 lm ≠ FIXT 295 lm - 3000K/CRI 80 - 110-240V / 7W - 630 lm ≠ FIXT 317 lm - 4000K/CRI 80 - 110-240V

**2700K**

H 200 mm
- ○ F1210001
- ● F1210006
- ● F1210012
- ● F1210018
- ● F1210030
- ● F1210033

H 500 mm
- ○ F1213001
- ● F1213006
- ● F1213012
- ● F1213018
- ● F1213030
- ● F1213033

H 700 mm
- ○ F1216001
- ● F1216006
- ● F1216012
- ● F1216018
- ● F1216030
- ● F1216033

**3000K**

H 200 mm
- ○ F1211001
- ● F1211006
- ● F1211012
- ● F1211018
- ● F1211030
- ● F1211033

H 500 mm
- ○ F1214001
- ● F1214006
- ● F1214012
- ● F1214018
- ● F1214030
- ● F1214033

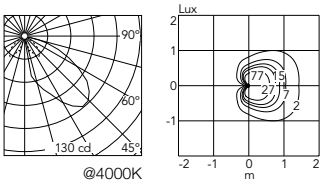
H 700 mm
- ○ F1217001
- ● F1217006
- ● F1217012
- ● F1217018
- ● F1217030
- ● F1217033

**4000K**

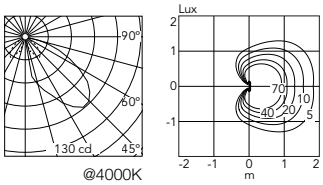
H 200 mm
- ○ F1212001
- ● F1212006
- ● F1212012
- ● F1212018
- ● F1212030
- ● F1212033

H 500 mm
- ○ F1215001
- ● F1215006
- ● F1215012
- ● F1215018
- ● F1215030
- ● F1215033

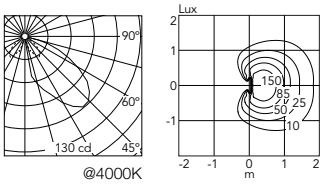
H 700 mm
- ○ F1218001
- ● F1218006
- ● F1218012
- ● F1218018
- ● F1218030
- ● F1218033



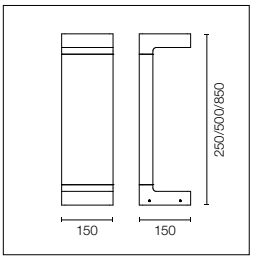

@4000K

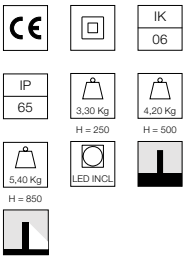



@4000K




@4000K




110/240V power supply integrated.

2200K available on request.

Fuente de alimentación 110/240V integrada.

2200K disponible bajo pedido.

**Power Led:** 12W - 1080 lm ≠ FIXT 565 lm - 2700K/CRI 80 - 110-240V / 12W - 1170 lm ≠ FIXT 613 lm - 3000K/CRI 80 - 110-240V / 12W - 1260 lm ≠ FIXT 660 lm - 4000K/CRI 80 - 110-240V

**2700K**

H 250 mm - Non Dimmable
- F1230001
- F1230006
- F1230012
- F1230018
- F1230030
- F1230033

1-10V
- F1230001-310
- F1230006-310
- F1230012-310
- F1230018-310
- F1230030-310
- F1230033-310

Dali
- F1230001-300
- F1230006-300
- F1230012-300
- F1230018-300
- F1230030-300
- F1230033-300

**3000K**

H 250 mm - Non Dimmable
- F1231001
- F1231006
- F1231012
- F1231018
- F1231030
- F1231033

1-10V
- F1231001-310
- F1231006-310
- F1231012-310
- F1231018-310
- F1231030-310
- F1231033-310

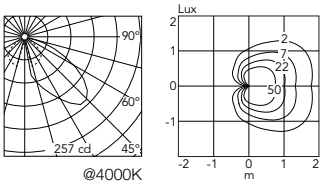
Dali
- F1231001-300
- F1231006-300
- F1231012-300
- F1231018-300
- F1231030-300
- F1231033-300

**4000K**

H 250 mm - Non Dimmable
- F1232001
- F1232006
- F1232012
- F1232018
- F1232030
- F1232033

1-10V
- F1232001-310
- F1232006-310
- F1232012-310
- F1232018-310
- F1232030-310
- F1232033-310

Dali
- F1232001-300
- F1232006-300
- F1232012-300
- F1232018-300
- F1232030-300
- F1232033-300



@4000K

**2700K**

H 500 mm - Non Dimmable
- F1233001
- F1233006
- F1233012
- F1233018
- F1233030
- F1233033

1-10V
- F1233001-310
- F1233006-310
- F1233012-310
- F1233018-310
- F1233030-310
- F1233033-310

Dali
- F1233001-300
- F1233006-300
- F1233012-300
- F1233018-300
- F1233030-300
- F1233033-300

**3000K**

H 500 mm - Non Dimmable
- F1234001
- F1234006
- F1234012
- F1234018
- F1234030
- F1234033

1-10V
- F1234001-310
- F1234006-310
- F1234012-310
- F1234018-310
- F1234030-310
- F1234033-310

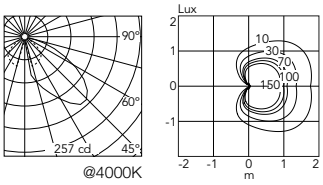
Dali
- F1234001-300
- F1234006-300
- F1234012-300
- F1234018-300
- F1234030-300
- F1234033-300

**4000K**

H 500 mm - Non Dimmable
- F1235001
- F1235006
- F1235012
- F1235018
- F1235030
- F1235033

1-10V
- F1235001-310
- F1235006-310
- F1235012-310
- F1235018-310
- F1235030-310
- F1235033-310

Dali
- F1235001-300
- F1235006-300
- F1235012-300
- F1235018-300
- F1235030-300
- F1235033-300



@4000K

**2700K**

H 850 mm - Non Dimmable
- F1236001
- F1236006
- F1236012
- F1236018
- F1236030
- F1236033

1-10V
- F1236001-310
- F1236006-310
- F1236012-310
- F1236018-310
- F1236030-310
- F1236033-310

Dali
- F1236001-300
- F1236006-300
- F1236012-300
- F1236018-300
- F1236030-300
- F1236033-300

**3000K**

H 850 mm - Non Dimmable
- F1237001
- F1237006
- F1237012
- F1237018
- F1237030
- F1237033

1-10V
- F1237001-310
- F1237006-310
- F1237012-310
- F1237018-310
- F1237030-310
- F1237033-310

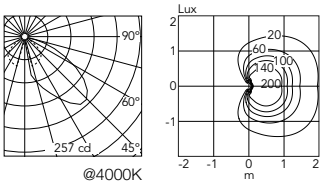
Dali
- F1237001-300
- F1237006-300
- F1237012-300
- F1237018-300
- F1237030-300
- F1237033-300

**4000K**

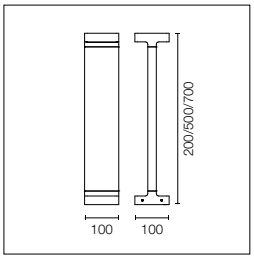
H 850 mm - Non Dimmable
- F1238001
- F1238006
- F1238012
- F1238018
- F1238030
- F1238033

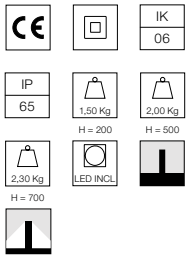
1-10V
- F1238001-310
- F1238006-310
- F1238012-310
- F1238018-310
- F1238030-310
- F1238033-310

Dali
- F1238001-300
- F1238006-300
- F1238012-300
- F1238018-300
- F1238030-300
- F1238033-300



@4000K




110/240V power supply integrated.

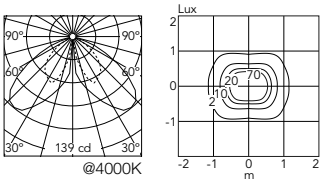
2200K available on request.

Fuente de alimentación 110/240V integrada.

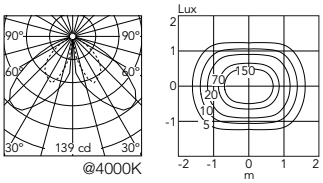
2200K disponible bajo pedido.

**Power Led:** 12W - 2x540 lm ≠ FIXT 2x272 lm - 2700K/CRI 80 - 110-240V / 12W - 2x585 lm ≠ FIXT 2x295 lm - 3000K/CRI 80 - 110-240V / 12W - 2x630 lm ≠ FIXT 2x317 lm - 4000K/CRI 80 - 110-240V

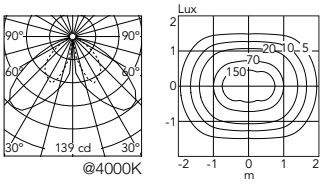
| 2700K | 3000K | 4000K |
|---|---|---|
| H 200 mm | H 200 mm | H 200 mm |
| ○ F1250001 | ○ F1251001 | ○ F1252001 |
| ● F1250006 | ● F1251006 | ● F1252006 |
| ● F1250012 | ● F1251012 | ● F1252012 |
| ● F1250018 | ● F1251018 | ● F1252018 |
| ● F1250030 | ● F1251030 | ● F1252030 |
| ● F1250033 | ● F1251033 | ● F1252033 |
| H 500 mm | H 500 mm | H 500 mm |
| ○ F1253001 | ○ F1254001 | ○ F1255001 |
| ● F1253006 | ● F1254006 | ● F1255006 |
| ● F1253012 | ● F1254012 | ● F1255012 |
| ● F1253018 | ● F1254018 | ● F1255018 |
| ● F1253030 | ● F1254030 | ● F1255030 |
| ● F1253033 | ● F1254033 | ● F1255033 |
| H 700 mm | H 700 mm | H 700 mm |
| ○ F1256001 | ○ F1257001 | ○ F1258001 |
| ● F1256006 | ● F1257006 | ● F1258006 |
| ● F1256012 | ● F1257012 | ● F1258012 |
| ● F1256018 | ● F1257018 | ● F1258018 |
| ● F1256030 | ● F1257030 | ● F1258030 |
| ● F1256033 | ● F1257033 | ● F1258033 |




@4000K

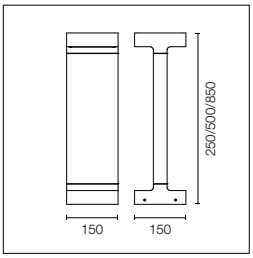


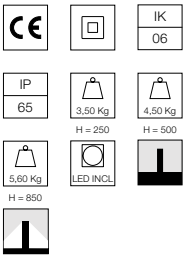

@4000K




@4000K

## Casting T 150




220/240V power supply integrated. Version 110V upon request.

2200K available on request.

Fuente de alimentación 220/240V integrada. Versión de 110V bajo pedido.

2200K disponible bajo pedido.

**Power Led:** 21W - 2x1080 lm ≠ FIXT 2x565 lm - 2700K/CRI 80 - 220-240V / 21W - 2x1170 lm ≠ FIXT 2x613 lm - 3000K/CRI 80 - 220-240V / 21W - 2x1260 lm ≠ FIXT 2x660 lm - 4000K/CRI 80 - 220-240V

### 2700K

H 250 mm - Non Dimmable

- F1270001
- F1270006
- F1270012
- F1270018
- F1270030
- F1270033

1-10V

- F1270001-310
- F1270006-310
- F1270012-310
- F1270018-310
- F1270030-310
- F1270033-310

Dali

- F1270001-300
- F1270006-300
- F1270012-300
- F1270018-300
- F1270030-300
- F1270033-300

### 3000K

H 250 mm - Non Dimmable

- F1271001
- F1271006
- F1271012
- F1271018
- F1271030
- F1271033

1-10V

- F1271001-310
- F1271006-310
- F1271012-310
- F1271018-310
- F1271030-310
- F1271033-310

Dali

- F1271001-300
- F1271006-300
- F1271012-300
- F1271018-300
- F1271030-300
- F1271033-300

### 4000K

H 250 mm - Non Dimmable

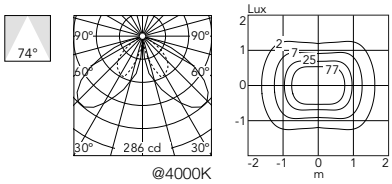
- F1272001
- F1272006
- F1272012
- F1272018
- F1272030
- F1272033

1-10V

- F1272001-310
- F1272006-310
- F1272012-310
- F1272018-310
- F1272030-310
- F1272033-310

Dali

- F1272001-300
- F1272006-300
- F1272012-300
- F1272018-300
- F1272030-300
- F1272033-300




### 2700K

H 500 mm - Non Dimmable

- F1273001
- F1273006
- F1273012
- F1273018
- F1273030
- F1273033

1-10V

- F1273001-310
- F1273006-310
- F1273012-310
- F1273018-310
- F1273030-310
- F1273033-310

Dali

- F1273001-300
- F1273006-300
- F1273012-300
- F1273018-300
- F1273030-300
- F1273033-300

### 3000K

H 500 mm - Non Dimmable

- F1274001
- F1274006
- F1274012
- F1274018
- F1274030
- F1274033

1-10V

- F1274001-310
- F1274006-310
- F1274012-310
- F1274018-310
- F1274030-310
- F1274033-310

Dali

- F1274001-300
- F1274006-300
- F1274012-300
- F1274018-300
- F1274030-300
- F1274033-300

### 4000K

H 500 mm - Non Dimmable

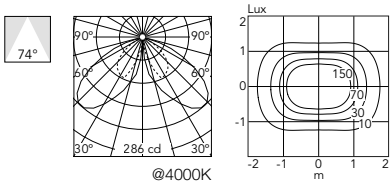
- F1275001
- F1275006
- F1275012
- F1275018
- F1275030
- F1275033

1-10V

- F1275001-310
- F1275006-310
- F1275012-310
- F1275018-310
- F1275030-310
- F1275033-310

Dali

- F1275001-300
- F1275006-300
- F1275012-300
- F1275018-300
- F1275030-300
- F1275033-300




### 2700K

H 850 mm - Non Dimmable

- F1276001
- F1276006
- F1276012
- F1276018
- F1276030
- F1276033

1-10V

- F1276001-310
- F1276006-310
- F1276012-310
- F1276018-310
- F1276030-310
- F1276033-310

Dali

- F1276001-300
- F1276006-300
- F1276012-300
- F1276018-300
- F1276030-300
- F1276033-300

### 3000K

H 850 mm - Non Dimmable

- F1277001
- F1277006
- F1277012
- F1277018
- F1277030
- F1277033

1-10V

- F1277001-310
- F1277006-310
- F1277012-310
- F1277018-310
- F1277030-310
- F1277033-310

Dali

- F1277001-300
- F1277006-300
- F1277012-300
- F1277018-300
- F1277030-300
- F1277033-300

### 4000K

H 850 mm - Non Dimmable

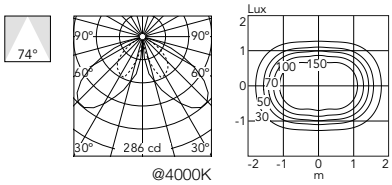
- F1278001
- F1278006
- F1278012
- F1278018
- F1278030
- F1278033

1-10V

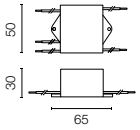
- F1278001-310
- F1278006-310
- F1278012-310
- F1278018-310
- F1278030-310
- F1278033-310

Dali

- F1278001-300
- F1278006-300
- F1278012-300
- F1278018-300
- F1278030-300
- F1278033-300



## Casting T/C: Accessories / Accesorios

| | | | |
|---|---|---|---|
| Base plate with bolt. | Placa con tirafondos. | Casting 100<br>F1208000<br>Casting 150<br>F1207000 | |
| 3/4 way terminal block 4 poles IP68 H2O Stop. (ø5,5÷12mm cable). | Bloque de terminales IP68 H2O Stop anticondensación con 3/4 vías y 4 polos. (Cable ø5,5÷12 mm). | F990C010000 | |
| Surge protection device. 275Vac. Maximum discharge current 10KA (8/20us). Maximum operating current 5A. Suitable for series connection. IP66. | Dispositivo de protección contra sobrecargas. 275 Vac. Corriente de descarga máxima 10KA (8/20us). Corriente máxima de funcionamiento 5A. Apta para conexión en serie. IP66. | F990E00A000 |   |

## Walkstick / Wallstick

Designed by Antonio Citterio

Walkstick 2 Double

Walkstick Pipe

## Family / Familia

Wallstick

**Power Led**
2,5W
185 lm - 2700K/CRI 80
199 lm - 3000K/CRI 80
212 lm - 4000K/CRI 80
2200K available on request.

Walkstick Pipe

**Power Led**
7W
483 lm - 2700K/CRI 80
496 lm - 3000K/CRI 80
529 lm - 4000K/CRI 80
2200K available on request.

Walkstick

**Power Led**
6W
333 lm - 2700K/CRI 80
358 lm - 3000K/CRI 80
382 lm - 4000K/CRI 80
2200K available on request.

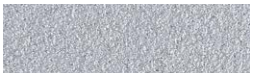
Walkstick Double

**Power Led**
8,5W
333+185 lm - 2700K/CRI 80
358+199 lm - 3000K/CRI 80
382+212 lm - 4000K/CRI 80
2200K available on request.

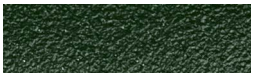
## Colours / Colores



01 White



06 Grey



12 Forest Green

18 Deep Brown

30 Black

33 Anthracite

**Walkstick Pipe**
Collection of outdoor poles with LED light source and tubular head that can be adjusted 350° on the vertical and horizontal axes. Available in two different heights.
The stem and head are made of extruded aluminium; the base is made of die-cast aluminium with low copper content.
Available in different finishes with a double layer of powder coating according to the QUALICOAT standard. The first layer of epoxy powder confers chemical and mechanical resistance. The second layer, a polyester powder finish, ensures resistance to UV rays and corrosive atmospheric agents. The painted surfaces are treated with alkiline and acid washes, rinsed with demineralized water, and subjected to chemical conversion treatment to protect against rust.
The anchoring hardware is made of AISI 316L stainless steel.
Diffuser made of acid-etched glass to guarantee a uniform wash of light on the ground.
The unit is supplied with a length of neoprene cable.
The unit may be easily installed on any flooring on the ground with anchors, or with the dedicated installation box to completely integrate the base of the product with the pavement.

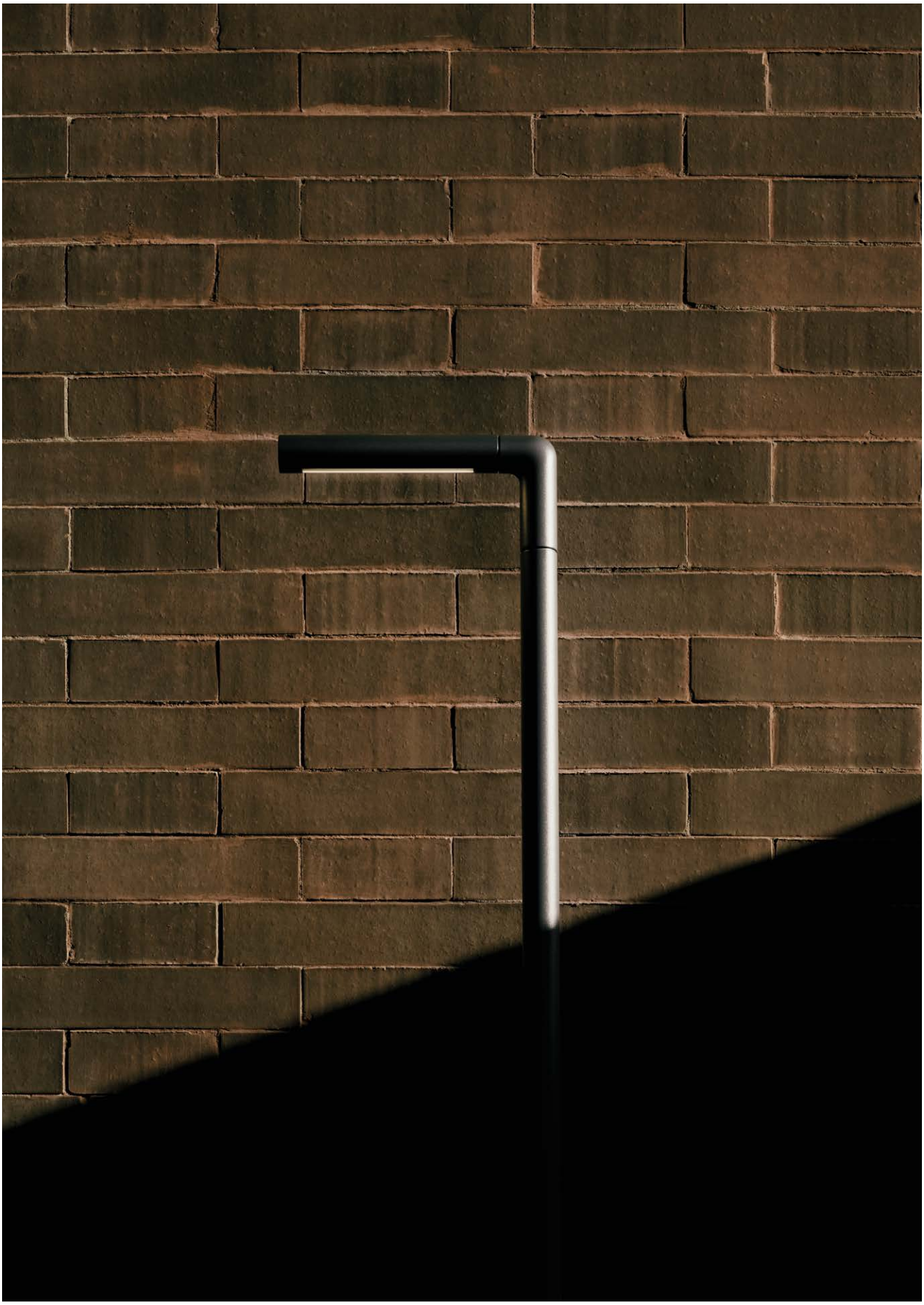
**Walkstick**
Collection of outdoor poles with LED light source and tubular head that can be adjusted vertically 350°. Available in two different heights combined with the one- or two-light version.
The stem is made of extruded aluminium; the base and head are made of EN AB-47100 die-cast aluminium with low copper content.
Available in different finishes with a double layer of powder coating according to the QUALICOAT standard. The first layer of epoxy powder confers chemical and mechanical resistance. The second layer, a polyester powder finish, ensures resistance to UV rays and corrosive atmospheric agents. The painted surfaces are treated with alkiline and acid washes, rinsed with demineralized water, and subjected to chemical conversion treatment to protect against rust.
The anchoring hardware is made of AISI 316L stainless steel.
Diffuser in micro-textured glass to guarantee uniform light distribution on the ground.
The unit may be easily installed on any flooring on the ground with anchors, or with the dedicated installation box to completely integrate the base of the product with the pavement.

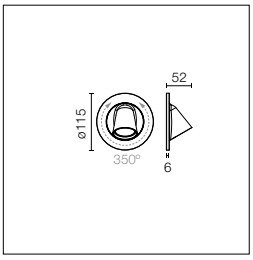
**Wallstick**
Wall-mounted outdoor footpath lights with LED light source and flared head that can be adjusted vertically 350°. The body is made of die-cast aluminium with low copper content.
Available in different finishes with a double layer of powder coating according to the QUALICOAT standard. The first layer of epoxy powder confers chemical and mechanical resistance. The second layer, a polyester powder finish, ensures resistance to UV rays and corrosive atmospheric agents. The painted surfaces are treated with alkiline and acid washes, rinsed with demineralized water, and subjected to chemical conversion treatment to protect against rust.
The anchoring hardware is made of AISI 316L stainless steel.
Diffuser in micro-textured glass to guarantee uniform light distribution on the ground.
The light comes with two 2-m power cables and with a kit for IP-rated connection.
The 24V electrical power supply can be installed remotely.
For easier installation, an optional box (sold separately) is available (3-module junction box, model 503).

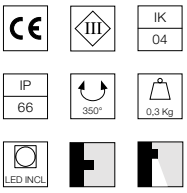
**Walkstick Pipe**
Colección de postes para exteriores con fuente luminosa de LED y cabezal tubular orientable 350 ° en el eje vertical y 350 ° en el eje horizontal. Disponibles en dos alturas distintas.
El tallo y el cabezal están hechos de aluminio extruido, la base de aluminio fundido con bajo contenido en cobre.
Disponible en diferentes acabados con un revestimiento de doble capa con polvos de conformidad con el estándar QUALICOAT. La primera capa de polvo epoxídico proporciona resistencia química y mecánica; la segunda capa de acabado de polvo de poliéster garantiza la resistencia a los rayos UV y a los agentes atmosféricos corrosivos. Las superficies lacadas están tratadas con lavados alcalinos y ácidos, enjuagadas con agua desmineralizada y sometidas a un tratamiento de conversión química para protegerlas de la oxidación.
Los tornillos de fijación son de acero inoxidable AISI 316L.
Difusor de vidrio esmerilado para garantizar una difusión uniforme de la luz en el suelo.
El dispositivo está dotado de un fragmento de cable de salida en neopreno.
Se puede instalar de manera sencilla en cualquier tipo de pavimento con tacos de expansión, o bien utilizando el accesorio para encofrado adapto para hacer que la base del producto se integre totalmente con el suelo.

**Walkstick**
Colección de estacas para exteriores con fuente luminosa de LED y cabezal avellanado orientable 350° en el eje vertical. Disponible en dos alturas distintas combinadas con la versión con una o dos luces.
El tallo está hecho de aluminio extruido, la base y el cabezal de aluminio fundido EN AB-47100 con bajo contenido en cobre.
Disponible en diferentes acabados con un revestimiento de doble capa con polvos de conformidad con el estándar QUALICOAT. La primera capa de polvo epoxídico proporciona resistencia química y mecánica; la segunda capa de acabado de polvo de poliéster garantiza la resistencia a los rayos UV y a los agentes atmosféricos corrosivos. Las superficies lacadas están tratadas con lavados alcalinos y ácidos, enjuagadas con agua desmineralizada y sometidas a un tratamiento de conversión química para protegerlas de la oxidación.
Los tornillos de fijación son de acero inoxidable AISI 316L.
Difusor de vidrio microtexturizado para garantizar una distribución homogénea de la luz en el suelo.
Se puede instalar de manera sencilla en el suelo sobre una superficie sólida con tacos de expansión, o bien utilizando el accesorio para encofrado adapto para hacer que la base del producto se integre totalmente con el suelo.

**Wallstick**
Señalizador de pared para exteriores con fuente luminosa de LED y cabezal avellanado orientable 350 ° en el eje vertical. El cuerpo del dispositivo está hecho de aluminio fundido con bajo contenido en cobre.
Disponible en diferentes acabados con un revestimiento de doble capa con polvos de conformidad con el estándar QUALICOAT. La primera capa de polvo epoxídico proporciona resistencia química y mecánica; la segunda capa de acabado de polvo de poliéster garantiza la resistencia a los rayos UV y a los agentes atmosféricos corrosivos. Las superficies lacadas están tratadas con lavados alcalinos y ácidos, enjuagadas con agua desmineralizada y sometidas a un tratamiento de conversión química para protegerlas de la oxidación.
Los tornillos de fijación son de acero inoxidable AISI 316L.
Difusor de vidrio microtexturizado para garantizar una distribución homogénea de la luz en el suelo.
El dispositivo está equipado con dos cables de alimentación salientes de 200 mm de longitud y con un kit para la conexión con sellado IP.
El alimentador eléctrico de 24V se puede instalar de forma remota. La caja de derivación (3 módulos modelo 503) es opcional y permite una fácil instalación .






LED light source included. Head adjustable 350º on the vertical axis. Remote 24V electrical power unit sold separately. Unit comes with two 200-mm-long outgoing power cables and a kit for IP-rated connection. The power supply may be installed remotely (installation box not necessary) or housed behind the unit with the optional installation box.

2200K available on request.

Fuente luminosa LED incluida. Cabezal orientable 350° sobre el eje vertical. Opción de fuente de alimentación remota de 24V bajo pedido. La luminaria se suministra con dos cables salientes de alimentación L200mm y un kit de conexión estanco. La fuente de alimentación puede instalarse a distancia (no se requiere encofrado) o alojarse detrás de la luminaria mediante un encofrado opcional.

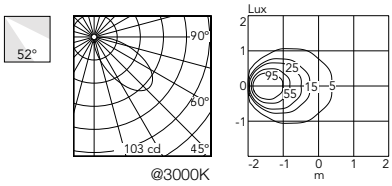
2200K disponible bajo pedido.

**Power Led:** 2,5W - 264 lm ≠ FIXT 185 lm - 2700K/CRI 80 - 24V / 2,5W - 283 lm ≠ FIXT 199 lm - 3000K/CRI 80 - 24V / 2,5W - 303 lm ≠ FIXT 212 lm - 4000K/CRI 80 - 24V

**2700K**
PWM Dimmable
- F010A20H001
- F010A20H006
- F010A20H012
- F010A20H018
- F010A20H030
- F010A20H033

**3000K**
PWM Dimmable
- F010A30H001
- F010A30H006
- F010A30H012
- F010A30H018
- F010A30H030
- F010A30H033

**4000K**
PWM Dimmable
- F010A40H001
- F010A40H006
- F010A40H012
- F010A40H018
- F010A40H030
- F010A40H033




* Maximum number of luminaires per power supply / Número máximo de luminarias por fuente de alimentación.

Maximum number of luminaires per power supply. (220÷240 V). These data must be checked taking into account the specific installation conditions.

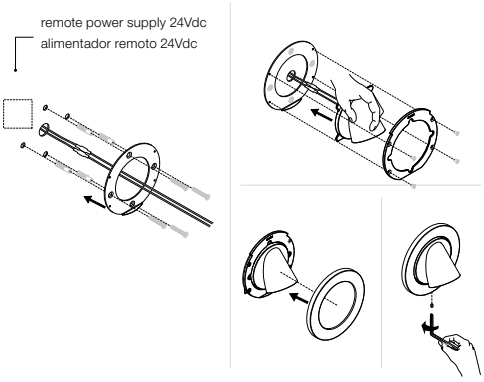
Número máximo de luminarias por fuente de alimentación (220÷240 V). Estos datos deben ser comprobados teniendo en cuenta las condiciones específicas de instalación.

| Non Dimmable | | Dimmable | |
|---|---|---|---|
| Acc. RF25754 | 1 | Acc. F990B02A000 | 7 |
| Acc. RF25748 | 1 | Acc. F990B03A000 | 7 |
| Acc. RF25747 | 2 | Acc. F990B16A000 | 7 |
| Acc. RF25757 | 2 | Acc. F990B04A000 | 13 |
| Acc. F990B23AZ00 | 7 | Acc. F990B05A000 | 13 |
| Acc. F990B28A000 | 9 | Acc. F990B17A000 | 13 |
| Acc. F990B27A000 | 13 | | |

## Installation on Wall / Instalación en Pared

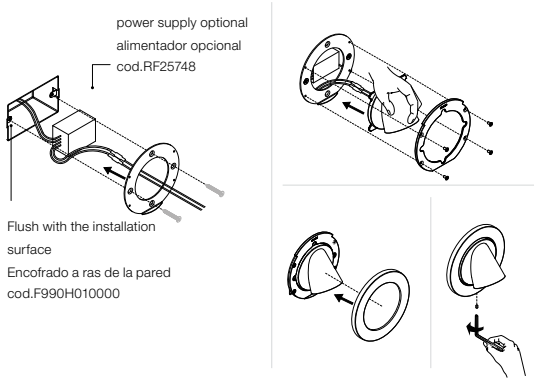
Option 1

Without recessed box installation. / Sin encofrado




Option 2

Recessed box installation / Con encofrado

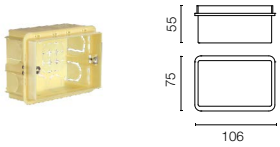



## Wallstick: Accessories / Accesorios

Recessed 3-module junction box (model 503) 106 mm x 75 mm H 55 mm.

Caja de conexiones para empotrar 3 módulos (modelo 503) 106x75mm H 55mm.

F990H010000




2 way terminal block 2 poles IP68. (Ø4÷6,9mm cable).

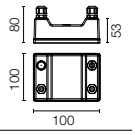
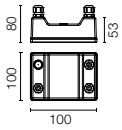
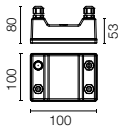
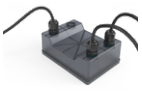
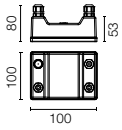
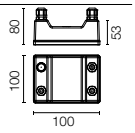
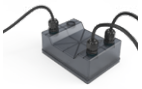
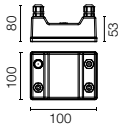
It can't be placed in the recessed box for installation.

Bloque de terminales IP68 con 2 vías y 2 polos. (Cable Ø4÷6,9mm).

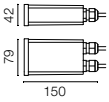
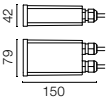
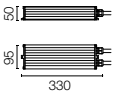
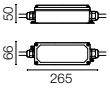
No se puede alojar en la caja para empotrar.

F990C050000

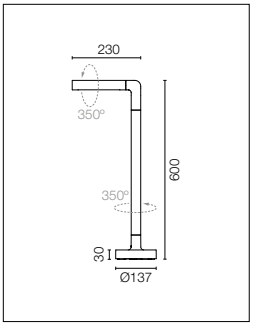
## Wallstick: Power Supply Dimmable

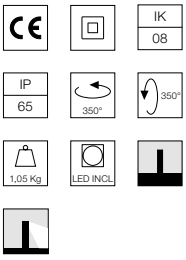
| | | | | |
|---|---|---|---|---|
| Power supply 24V PWM with 1-10V control interface IP67 Class II. Vin 120-270 Vac. | Fuente de alimentación 24V PWM con interfaz de control 1-10V / IP67 Clase II. Vin 120-270 Vac. | 35W<br>*F990B02A000<br>70W<br>*F990B04A000 | |   |
| Power supply 24V PWM with 1-10V control interface IP67 Class II. Vin 120-270 Vac. | Fuente de alimentación 24V PWM con interfaz de control 1-10V / IP67 Clase II. Vin 120-270 Vac. | 35W<br>*F990B03A000<br>70W<br>*F990B05A000 | |   |
| Power supply 24v PWM with PUSH control interface IP67 Class II. Vin 120-270 Vac. | Fuente de alimentación 24v PWM con interfaz de control PUSH / IP67 Clase II. Vin 120-270 Vac. | 35W<br>*F990B16A000<br>70W<br>*F990B17A000 | |   |
| Control interface 24V PWM - 1-10V IP67 Class III. Vin 24Vdc 120W (Power supply not included). | Interfaz de control 24V PWM - 1-10V IP67 Class III. Vin 24Vdc 120W (Fuente de alimentación no incluida). | F990B00A000 |  |   |
| Control interface 24V PWM Dali IP67 Class III. Vin 24Vdc 120W (Power supply not included). | Interfaz de control 24V PWM - Dali IP67 Class III. Vin 24Vdc 120W (Fuente de alimentación no incluida). | F990B01A000 | |   |
| Control interface 24V PWM Push IP67 Class III. Vin 24Vdc 120W (Power supply not included). | Interfaz de control 24V PWM - Push IP67 Class III. Vin 24Vdc 120W (Fuente de alimentación no incluida). | F990B18A000 |  |   |

## Wallstick: Power Supply Non Dimmable

| | | | | |
|---|---|---|---|---|
| Power supply 24V 8W / 110-240V IP20 Class II selv. | Transformador 24V 8W / 110-240V IP20 Clase II selv. | *RF25754 | | |
| Power supply 24V 8W / 110-240V IP65 Class II selv. | Transformador 24V 8W / 110-240V IP65 Clase II selv. | *RF25748 | | |
| Power supply 24V 10W /110-240V IP20 Class II selv. | Transformador 24V 10W / 110-240V IP20 Clase II selv. | *RF25747 | | |
| Power supply 24V 10W / 110-240V IP67 Class II selv. | Transformador 24V 10W / 110-240V IP67 Clase II selv. | *RF25757 | |   |
| Power supply 24Vdc 35W / 120-270V IP67 Class II selv. | Fuente de alimentación 24Vdc 35W / 120-270V IP67 Clase II selv. | *F990B23AZ00 | |   |
| Power supply 24Vdc 50W / 120-240V IP67 Class II selv. | Transformador 24Vdc 50W / 120-240V IP67 Clase II selv. | *F990B28A000 | |   |
| Power supply 24Vdc 70W / 220-240V IP67 Class II selv. | Transformador 24Vdc 70W / 220-240V IP67 Clase II selv. | *F990B27A000 | |   |

## Walkstick Pipe 1




220-240V power supply included. Ready for installation on solid surface. Box for ground installation to be ordered separately. Included 2 way terminal block 4 poles IP68 $H_2O$ Stop.
Version 110V upon request.

2200K available on request.

Fuente de alimentación 220-240V incluida. Listo para instalaciones sobre base rígida. Caja para instalaciones en el suelo disponible bajo pedido. Incluye un bloque de terminales IP68 $H_2O$ Stop anticondensación con 2 vías y 4 polos.
Versión de 110V bajo pedido.

2200K disponible bajo pedido.

**Power Led:** 7W - 622 lm ≠ FIXT 483 lm - 2700K/CRI 80 - 220-240V / 7W - 648 lm ≠ FIXT 496 lm - 3000K/CRI 80 - 220-240V / 7W - 693 lm ≠ FIXT 529 lm - 4000K/CRI 80 - 220-240V

**2700K**
Non Dimmable
- F010H21A001
- F010H21A006
- F010H21A012
- F010H21A018
- F010H21A030
- F010H21A033

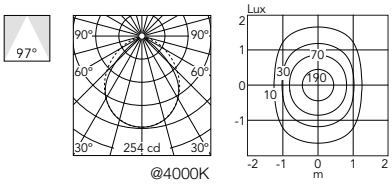
1-10V
- F010H21B001
- F010H21B006
- F010H21B012
- F010H21B018
- F010H21B030
- F010H21B033

**3000K**
Non Dimmable
- F010H31A001
- F010H31A006
- F010H31A012
- F010H31A018
- F010H31A030
- F010H31A033

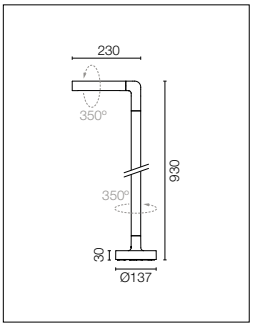
1-10V
- F010H31B001
- F010H31B006
- F010H31B012
- F010H31B018
- F010H31B030
- F010H31B033

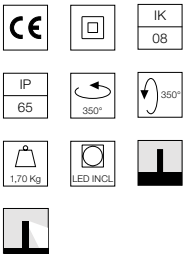
**4000K**
Non Dimmable
- F010H41A001
- F010H41A006
- F010H41A012
- F010H41A018
- F010H41A030
- F010H41A033

1-10V
- F010H41B001
- F010H41B006
- F010H41B012
- F010H41B018
- F010H41B030
- F010H41B033




## Walkstick Pipe 2




220-240V power supply included. Ready for installation on solid surface. Box for ground installation to be ordered separately. Included 2 way terminal block 4 poles IP68 $H_2O$ Stop.
Version 110V upon request.

2200K available on request.

Fuente de alimentación 220-240V incluida. Listo para instalaciones sobre base rígida. Caja para instalaciones en el suelo disponible bajo pedido. Incluye un bloque de terminales IP68 $H_2O$ Stop anticondensación con 2 vías y 4 polos.
Versión de 110V bajo pedido.

2200K disponible bajo pedido.

**Power Led:** 7W - 622 lm ≠ FIXT 483 lm - 2700K/CRI 80 - 220-240V / 7W - 648 lm ≠ FIXT 496 lm - 3000K/CRI 80 - 220-240V / 7W - 693 lm ≠ FIXT 529 lm - 4000K/CRI 80 - 220-240V

**2700K**
Non Dimmable
- F010J21A001
- F010J21A006
- F010J21A012
- F010J21A018
- F010J21A030
- F010J21A033

1-10V
- F010J21B001
- F010J21B006
- F010J21B012
- F010J21B018
- F010J21B030
- F010J21B033

Dali
- F010J21D001
- F010J21D006
- F010J21D012
- F010J21D018
- F010J21D030
- F010J21D033

**3000K**
Non Dimmable
- F010J31A001
- F010J31A006
- F010J31A012
- F010J31A018
- F010J31A030
- F010J31A033

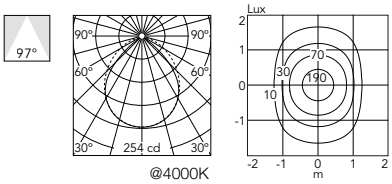
1-10V
- F010J31B001
- F010J31B006
- F010J31B012
- F010J31B018
- F010J31B030
- F010J31B033

Dali
- F010J31D001
- F010J31D006
- F010J31D012
- F010J31D018
- F010J31D030
- F010J31D033

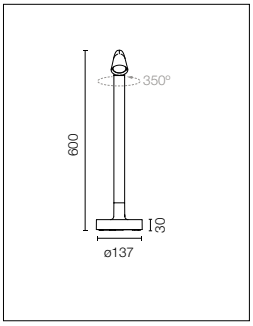
**4000K**
Non Dimmable
- F010J41A001
- F010J41A006
- F010J41A012
- F010J41A018
- F010J41A030
- F010J41A033

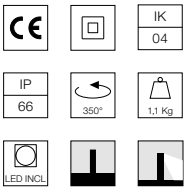
1-10V
- F010J41B001
- F010J41B006
- F010J41B012
- F010J41B018
- F010J41B030
- F010J41B033

Dali
- F010J41D001
- F010J41D006
- F010J41D012
- F010J41D018
- F010J41D030
- F010J41D033



## Walkstick 1




LED light source included. Head adjustable 350° on both the vertical and horizontal axes. Integrated 220-240V ON/OFF electrical power. Equipped with a length of neoprene cable and an IP68 2-way anti-condensation $H_2O$ stop seal system. Box for ground installation sold separately. 110V version by request.

2200K available on request.

Fuente luminosa LED incluida. Cabezal orientable 350° sobre el eje vertical u horizontal. Fuente de alimentación integrada de 220-240V ON/OFF. Equipado con un cable de salida en neopreno y un empalme anticondensación de dos vías IP68 H20 Stop . Encofrado opcional para la instalación en el suelo bajo pedido.
Versión 110V bajo pedido.

2200K disponible bajo pedido.

**Power Led:** 6W - 502 lm ≠ FIXT 333 lm - 2700K/CRI 80 - 220-240V / 6W - 539 lm ≠ FIXT 358 lm - 3000K/CRI 80 - 220-240V / 6W - 577 lm ≠ FIXT 382 lm - 4000K/CRI 80 - 220-240V

**2700K**
Non Dimmable
- ○ F010B21A001
- ● F010B21A006
- ● F010B21A012
- ● F010B21A018
- ● F010B21A030
- ● F010B21A033

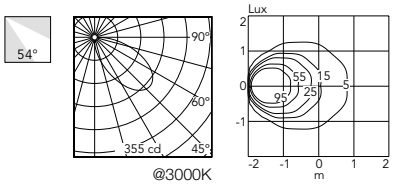
1-10V
- ○ F010B21B001
- ● F010B21B006
- ● F010B21B012
- ● F010B21B018
- ● F010B21B030
- ● F010B21B033

**3000K**
Non Dimmable
- ○ F010B31A001
- ● F010B31A006
- ● F010B31A012
- ● F010B31A018
- ● F010B31A030
- ● F010B31A033

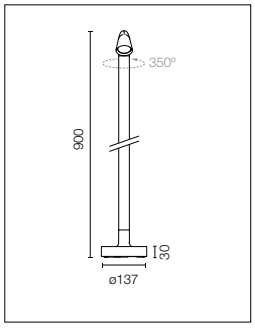
1-10V
- ○ F010B31B001
- ● F010B31B006
- ● F010B31B012
- ● F010B31B018
- ● F010B31B030
- ● F010B31B033

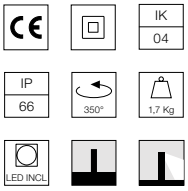
**4000K**
Non Dimmable
- ○ F010B41A001
- ● F010B41A006
- ● F010B41A012
- ● F010B41A018
- ● F010B41A030
- ● F010B41A033

1-10V
- ○ F010B41B001
- ● F010B41B006
- ● F010B41B012
- ● F010B41B018
- ● F010B41B030
- ● F010B41B033




## Walkstick 2




LED light source included. Head adjustable 350° on both the vertical and horizontal axes. Integrated 220-240V ON/OFF and 1-10V or DALI dimmable electrical power. Equipped with a length of neoprene cable and an IP68 2-way anti-condensation $H_2O$ stop seal system. Box for ground installation sold separately. 110V version by request.

2200K available on request.

Fuente luminosa LED incluida. Cabezal orientable 350° sobre el eje vertical u horizontal. Fuente de alimentación 220-240V ON/OFF y regulable 1-10V o DALI integrado. Equipado con un cable de salida en neopreno y un empalme anticondensación de dos vías IP68 H20 Stop . Encofrado opcional para la instalación en el suelo bajo pedido.
Versión 110V bajo pedido.

2200K disponible bajo pedido.

**Power Led:** 6W - 502 lm ≠ FIXT 333 lm - 2700K/CRI 80 - 220-240V / 6W - 539 lm ≠ FIXT 358 lm - 3000K/CRI 80 - 220-240V / 6W - 577 lm ≠ FIXT 382 lm - 4000K/CRI 80 - 220-240V

**2700K**
Non Dimmable
- ○ F010B22A001
- ● F010B22A006
- ● F010B22A012
- ● F010B22A018
- ● F010B22A030
- ● F010B22A033

1-10V
- ○ F010B22B001
- ● F010B22B006
- ● F010B22B012
- ● F010B22B018
- ● F010B22B030
- ● F010B22B033

Dali
- ○ F010B22D001
- ● F010B22D006
- ● F010B22D012
- ● F010B22D018
- ● F010B22D030
- ● F010B22D033

**3000K**
Non Dimmable
- ○ F010B32A001
- ● F010B32A006
- ● F010B32A012
- ● F010B32A018
- ● F010B32A030
- ● F010B32A033

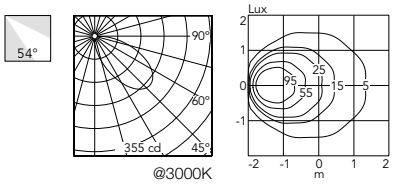
1-10V
- ○ F010B32B001
- ● F010B32B006
- ● F010B32B012
- ● F010B32B018
- ● F010B32B030
- ● F010B32B033

Dali
- ○ F010B32D001
- ● F010B32D006
- ● F010B32D012
- ● F010B32D018
- ● F010B32D030
- ● F010B32D033

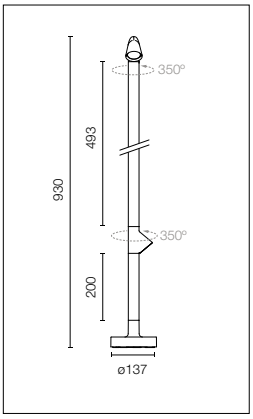
**4000K**
Non Dimmable
- ○ F010B42A001
- ● F010B42A006
- ● F010B42A012
- ● F010B42A018
- ● F010B42A030
- ● F010B42A033

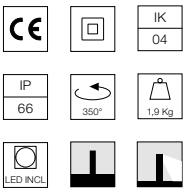
1-10V
- ○ F010B42B001
- ● F010B42B006
- ● F010B42B012
- ● F010B42B018
- ● F010B42B030
- ● F010B42B033

Dali
- ○ F010B42D001
- ● F010B42D006
- ● F010B42D012
- ● F010B42D018
- ● F010B42D030
- ● F010B42D033



## Walkstick 2 Double




Dual LED light source included. Heads independently adjustable 350° on both the vertical and horizontal axes. Integrated 220-240V ON/OFF and 1-10V or DALI dimmable electrical power. Equipped with a length of neoprene cable and an IP68 2-way anti-condensation $H_2O$ stop seal system. Box for ground installation sold separately.
110V version by request.

2200K available on request.

Doble fuente de iluminación LED. Cabezales orientables independientemente 350° en el eje vertical y 350° en el eje horizontal. Fuente de alimentación 220-240V ON/OFF y regulable 1-10V o DALI integrado. Equipado con un cable de salida en neopreno y un empalme anticondensación de dos vías IP68 H20 Stop . Encofrado opcional para la instalación en el suelo bajo pedido.
Versión 110V bajo pedido.

2200K disponible bajo pedido.

**Power Led:** 8,5W - 502+264 lm ≠ FIXT 333+185 lm - 2700K/CRI 80 - 220-240V / 8,5W - 539+283 lm ≠ FIXT 358+199 lm - 3000K/CRI 80 - 220-240V / 8,5W - 577+303 lm ≠ FIXT 382+212 lm - 4000K/CRI 80 - 220-240V

**2700K**

Non Dimmable
- ○ F010C22A001
- ● F010C22A006
- ● F010C22A012
- ● F010C22A018
- ● F010C22A030
- ● F010C22A033

1-10V
- ○ F010C22B001
- ● F010C22B006
- ● F010C22B012
- ● F010C22B018
- ● F010C22B030
- ● F010C22B033

Dali
- ○ F010C22D001
- ● F010C22D006
- ● F010C22D012
- ● F010C22D018
- ● F010C22D030
- ● F010C22D033

**3000K**

Non Dimmable
- ○ F010C32A001
- ● F010C32A006
- ● F010C32A012
- ● F010C32A018
- ● F010C32A030
- ● F010C32A033

1-10V
- ○ F010C32B001
- ● F010C32B006
- ● F010C32B012
- ● F010C32B018
- ● F010C32B030
- ● F010C32B033

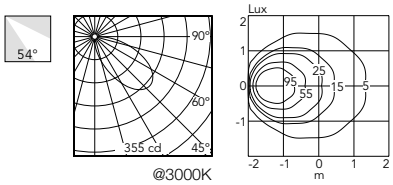
Dali
- ○ F010C32D001
- ● F010C32D006
- ● F010C32D012
- ● F010C32D018
- ● F010C32D030
- ● F010C32D033

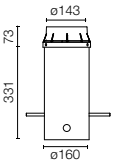
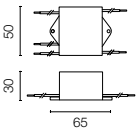
**4000K**

Non Dimmable
- ○ F010C42A001
- ● F010C42A006
- ● F010C42A012
- ● F010C42A018
- ● F010C42A030
- ● F010C42A033

1-10V
- ○ F010C42B001
- ● F010C42B006
- ● F010C42B012
- ● F010C42B018
- ● F010C42B030
- ● F010C42B033

Dali
- ○ F010C42D001
- ● F010C42D006
- ● F010C42D012
- ● F010C42D018
- ● F010C42D030
- ● F010C42D033



| | | | | |
|---|---|---|---|---|
| Box for ground installation. | Caja para instalación en el suelo. | F001Z020000 | |  |
| Surge protection device. 275Vac. Maximum discharge current 10KA (8/20us). Maximum operating current 5A. Suitable for series connection. IP66. | Dispositivo de protección contra sobrecargas. 275 Vac. Corriente de descarga máxima 10KA (8/20us). Corriente máxima de funcionamiento 5A. Apta para conexión en serie. IP66. | F990E00A000 | |  |

# Belvedere

Designed by Antonio Citterio assistant Toan Nguyen

Belvedere Clove

Belvedere  Spot

## Family / Familia

Belvedere Clove

**Power Led**
8,4W
631 lm - 2700K/CRI 80
657 lm - 3000K/CRI 80
703 lm - 4000K/CRI 80
2200K available on request.

Belvedere Spot

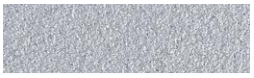
**Power Led**
6W
425 lm - 2700K/CRI 80
440 lm - 3000K/CRI 80
473 lm - 4000K/CRI 80
Floor 1
2200K available on request.

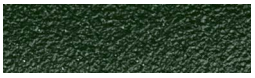
Belvedere Spot Wall

**Power Led**
6W
425 lm - 2700K/CRI 80
440 lm - 3000K/CRI 80
473 lm - 4000K/CRI 80

## Colours / Colores


01 White


06 Grey


12 Forest Green

18 Deep Brown

30 Black

33 Anthracite

**Belvedere Spot**
Family of adjustable outdoor LED lighting luminaires (double rotation, vertical and horizontal axle) suitable for floor installations (ground or buried) and with integrated power supply box.

**Belvedere Spot Wall**
Outdoor luminaire consisting of an adjustable projector for up to 350°±5º on the horizontal axle suitable for wall installations and with integrated power supply box.

**Belvedere Clove**
Family of outdoor products consisting of luminaires with a pole of two different heights and suitable for floor installations (ground or buried) and with integrated power supply box.

We recommend using a connection system with a degree of protection greater than or equal to the degree of protection of the luminaire.

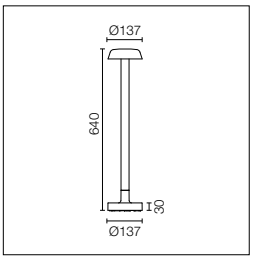
**Belvedere Spot**
Familia de luminarias LED para exterior orientables (rotación doble, eje vertical y horizontal) para instalación en el suelo (sobre pavimento o enterrado) y con caja de alimentación integrada.

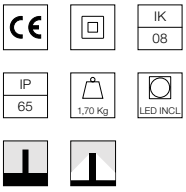
**Belvedere Spot Wall**
Luminarias para exterior compuestas por un proyector orientable de 350°±5º sobre el eje horizontal para montaje mural y con caja de alimentación integrada.

**Belvedere Clove**
Familia de luminarias para exterior compuesta por aparatos con poste de dos alturas distintas para instalación en el suelo (sobre pavimento o enterrado) y con caja de alimentación integrada.

Se recomienda utilizar un sistema de conexión con un grado de protección superior o equivalente al grado de protección del dispositivo.

## Belvedere Clove 1




220-240V power supply included. Ready for installation on solid surface. Box for ground installation to be ordered separately.
Included 2 way terminal block 4 poles IP68 H2O Stop.
Version 110V upon request.

2200K available on request.

Fuente de alimentación 220-240V incluida. Listo para instalaciones sobre base rígida. Caja para instalaciones en el suelo disponible bajo pedido.
Incluye un bloque de terminales IP68 H2O Stop anticondensación con 2 vías y 4 polos.
Versión de 110V bajo pedido.

2200K disponible bajo pedido.

**Power Led:** 8,4W - 783 lm ≠ FIXT 631 lm - 2700K/CRI 80 - 220-240V / 8,4W - 816 lm ≠ FIXT 657 lm - 3000K/CRI 80 - 220-240V / 8,4W - 873 lm ≠ FIXT 703 lm - 4000K/CRI 80 - 220-240V

**2700K**

Non Dimmable
- ○ F001A21A001
- ● F001A21A006
- ● F001A21A012
- ● F001A21A018
- ● F001A21A030
- ● F001A21A033

1-10V
- ○ F001A21B001
- ● F001A21B006
- ● F001A21B012
- ● F001A21B018
- ● F001A21B030
- ● F001A21B033

Dali
- ○ F001A21D001
- ● F001A21D006
- ● F001A21D012
- ● F001A21D018
- ● F001A21D030
- ● F001A21D033

**3000K**

Non Dimmable
- ○ F001A31A001
- ● F001A31A006
- ● F001A31A012
- ● F001A31A018
- ● F001A31A030
- ● F001A31A033

1-10V
- ○ F001A31B001
- ● F001A31B006
- ● F001A31B012
- ● F001A31B018
- ● F001A31B030
- ● F001A31B033

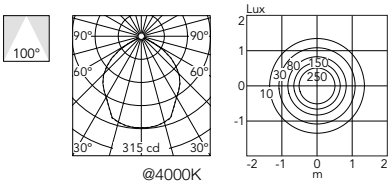
Dali
- ○ F001A31D001
- ● F001A31D006
- ● F001A31D012
- ● F001A31D018
- ● F001A31D030
- ● F001A31D033

**4000K**

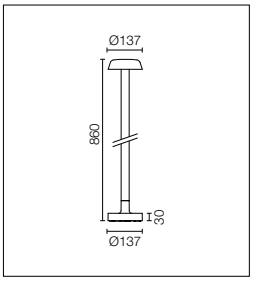
Non Dimmable
- ○ F001A41A001
- ● F001A41A006
- ● F001A41A012
- ● F001A41A018
- ● F001A41A030
- ● F001A41A033

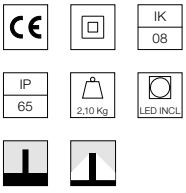
1-10V
- ○ F001A41B001
- ● F001A41B006
- ● F001A41B012
- ● F001A41B018
- ● F001A41B030
- ● F001A41B033

Dali
- ○ F001A41D001
- ● F001A41D006
- ● F001A41D012
- ● F001A41D018
- ● F001A41D030
- ● F001A41D033




## Belvedere Clove 2




220-240V power supply included. Ready for installation on solid surface. Box for ground installation to be ordered separately.
Included 2 way terminal block 4 poles IP68 H2O Stop.
Version 110V upon request.

2200K available on request.

Fuente de alimentación 220-240V incluida. Listo para instalaciones sobre base rígida. Caja para instalaciones en el suelo disponible bajo pedido.
Incluye un bloque de terminales IP68 H2O Stop anticondensación con 2 vías y 4 polos.
Versión de 110V bajo pedido.

2200K disponible bajo pedido.

**Power Led:** 8,4W - 783 lm ≠ FIXT 631 lm - 2700K/CRI 80 - 220-240V / 8,4W - 816 lm ≠ FIXT 657 lm - 3000K/CRI 80 - 220-240V / 8,4W - 873 lm ≠ FIXT 703 lm - 4000K/CRI 80 - 220-240V

**2700K**

Non Dimmable
- ○ F001B21A001
- ● F001B21A006
- ● F001B21A012
- ● F001B21A018
- ● F001B21A030
- ● F001B21A033

1-10V
- ○ F001B21B001
- ● F001B21B006
- ● F001B21B012
- ● F001B21B018
- ● F001B21B030
- ● F001B21B033

Dali
- ○ F001B21D001
- ● F001B21D006
- ● F001B21D012
- ● F001B21D018
- ● F001B21D030
- ● F001B21D033

**3000K**

Non Dimmable
- ○ F001B31A001
- ● F001B31A006
- ● F001B31A012
- ● F001B31A018
- ● F001B31A030
- ● F001B31A033

1-10V
- ○ F001B31B001
- ● F001B31B006
- ● F001B31B012
- ● F001B31B018
- ● F001B31B030
- ● F001B31B033

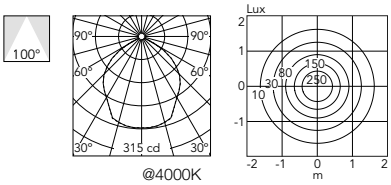
Dali
- ○ F001B31D001
- ● F001B31D006
- ● F001B31D012
- ● F001B31D018
- ● F001B31D030
- ● F001B31D033

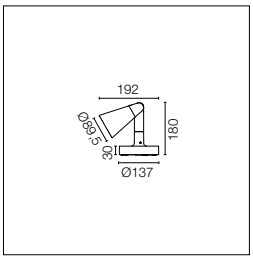
**4000K**

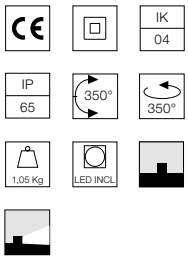
Non Dimmable
- ○ F001B41A001
- ● F001B41A006
- ● F001B41A012
- ● F001B41A018
- ● F001B41A030
- ● F001B41A033

1-10V
- ○ F001B41B001
- ● F001B41B006
- ● F001B41B012
- ● F001B41B018
- ● F001B41B030
- ● F001B41B033

Dali
- ○ F001B41D001
- ● F001B41D006
- ● F001B41D012
- ● F001B41D018
- ● F001B41D030
- ● F001B41D033






220-240V power supply included. Ready for installation on solid surface. Box for ground installation to be ordered separately.
Included 2 way terminal block 4 poles IP68 H2O Stop.
24V Dimmable version available on request.

2200K available on request.

Fuente de alimentación 220-240V incluida. Listo para instalaciones sobre base rígida. Caja para instalaciones en el suelo disponible bajo pedido.
Incluye un bloque de terminales IP68 H2O Stop anticondensación con 2 vías y 4 polos.
Versión regulable 24V disponible bajo pedido.

2200K disponible bajo pedido.

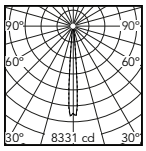
**Power Led:** 6W - 513 lm ≠ *FIXT 425 lm - 2700K/CRI 80 - 220-240V / 6W - 530 lm ≠ *FIXT 440 lm - 3000K/CRI 80 - 220-240V / 6W - 570 lm ≠ *FIXT 473 lm - 4000K/CRI 80 - 220-240V
*FIXT lm = Spot Optic

**2700K**
Non Dimmable
- ○ F001C21A001.A
- ● F001C21A006.A
- ● F001C21A012.A
- ● F001C21A018.A
- ● F001C21A030.A
- ● F001C21A033.A

**3000K**
Non Dimmable
- ○ F001C31A001
- ● F001C31A006
- ● F001C31A012
- ● F001C31A018
- ● F001C31A030
- ● F001C31A033

**4000K**
Non Dimmable
- ○ F001C41A001
- ● F001C41A006
- ● F001C41A012
- ● F001C41A018
- ● F001C41A030
- ● F001C41A033

9°
SPOT




@4000K

Beam Angle: 9°

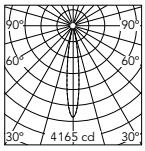
| h(m) | E(lx) | D(m) |
|---|---|---|
| 1 | 8330 | 0.16 |
| 2 | 2083 | 0.32 |
| 3 | 926 | 0.48 |
| 4 | 521 | 0.64 |
| 5 | 333 | 0.80 |

**2700K**
Non Dimmable
- ○ F001C22A001.A
- ● F001C22A006.A
- ● F001C22A012.A
- ● F001C22A018.A
- ● F001C22A030.A
- ● F001C22A033.A

**3000K**
Non Dimmable
- ○ F001C32A001
- ● F001C32A006
- ● F001C32A012
- ● F001C32A018
- ● F001C32A030
- ● F001C32A033

**4000K**
Non Dimmable
- ○ F001C42A001
- ● F001C42A006
- ● F001C42A012
- ● F001C42A018
- ● F001C42A030
- ● F001C42A033

15°
MEDIUM




@4000K

Beam Angle: 15°

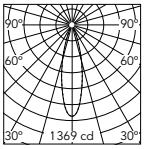
| h(m) | E(lx) | D(m) |
|---|---|---|
| 1 | 4165 | 0.26 |
| 2 | 1041 | 0.52 |
| 3 | 463 | 0.79 |
| 4 | 260 | 1.05 |
| 5 | 167 | 1.31 |

**2700K**
Non Dimmable
- ○ F001C23A001.A
- ● F001C23A006.A
- ● F001C23A012.A
- ● F001C23A018.A
- ● F001C23A030.A
- ● F001C23A033.A

**3000K**
Non Dimmable
- ○ F001C33A001
- ● F001C33A006
- ● F001C33A012
- ● F001C33A018
- ● F001C33A030
- ● F001C33A033

**4000K**
Non Dimmable
- ○ F001C43A001
- ● F001C43A006
- ● F001C43A012
- ● F001C43A018
- ● F001C43A030
- ● F001C43A033

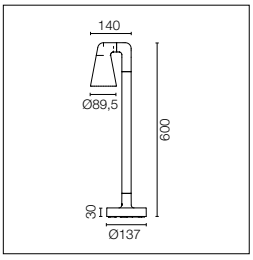
26°
FLOOD

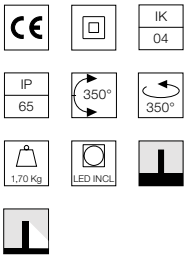



@4000K

Beam Angle: 26°

| h(m) | E(lx) | D(m) |
|---|---|---|
| 1 | 1369 | 0.46 |
| 2 | 342 | 0.93 |
| 3 | 152 | 1.39 |
| 4 | 86 | 1.85 |
| 5 | 55 | 2.31 |




220-240V power supply included. Ready for installation on solid surface. Box for ground installation to be ordered separately.
Included 2 way terminal block 4 poles IP68 H2O Stop.
Version 110V upon request.

Fuente de alimentación 220-240V incluida. Listo para instalaciones sobre base rígida. Caja para instalaciones en el suelo disponible bajo pedido.
Incluye un bloque de terminales IP68 H2O Stop anticondensación con 2 vías y 4 polos.
Versión de 110V bajo pedido.

**Power Led:** 6W - 513 lm ≠ *FIXT 425 lm - 2700K/CRI 80 - 220-240V / 6W - 530 lm ≠ *FIXT 440 lm - 3000K/CRI 80 - 220-240V / 6W - 570 lm ≠ *FIXT 473 lm - 4000K/CRI 80 - 220-240V
*FIXT lm = Spot Optic

**2700K**

Non Dimmable
- F001D21A001.A
- F001D21A006.A
- F001D21A012.A
- F001D21A018.A
- F001D21A030.A
- F001D21A033.A

1-10V
- F001D21B001.A
- F001D21B006.A
- F001D21B012.A
- F001D21B018.A
- F001D21B030.A
- F001D21B033.A

**3000K**

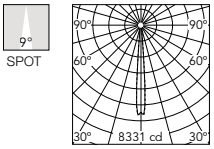
Non Dimmable
- F001D31A001
- F001D31A006
- F001D31A012
- F001D31A018
- F001D31A030
- F001D31A033

1-10V
- F001D31B001
- F001D31B006
- F001D31B012
- F001D31B018
- F001D31B030
- F001D31B033

**4000K**

Non Dimmable
- F001D41A001
- F001D41A006
- F001D41A012
- F001D41A018
- F001D41A030
- F001D41A033

1-10V
- F001D41B001
- F001D41B006
- F001D41B012
- F001D41B018
- F001D41B030
- F001D41B033




@4000K

Beam Angle: 9°

| h(m) | E(lx) | D(m) |
|---|---|---|
| 1 | 8330 | 0.16 |
| 2 | 2083 | 0.32 |
| 3 | 926 | 0.48 |
| 4 | 521 | 0.64 |
| 5 | 333 | 0.80 |

**2700K**

Non Dimmable
- F001D22A001.A
- F001D22A006.A
- F001D22A012.A
- F001D22A018.A
- F001D22A030.A
- F001D22A033.A

1-10V
- F001D22B001.A
- F001D22B006.A
- F001D22B033.A
- F001D22B030.A
- F001D22B018.A
- F001D22B012.A

**3000K**

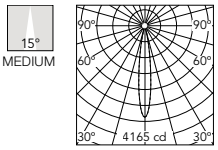
Non Dimmable
- F001D32A001
- F001D32A006
- F001D32A012
- F001D32A018
- F001D32A030
- F001D32A033

1-10V
- F001D32B001
- F001D32B006
- F001D32B012
- F001D32B018
- F001D32B030
- F001D32B033

**4000K**

Non Dimmable
- F001D42A001
- F001D42A006
- F001D42A012
- F001D42A018
- F001D42A030
- F001D42A033

1-10V
- F001D42B001
- F001D42B006
- F001D42B012
- F001D42B018
- F001D42B030
- F001D42B033




@4000K

Beam Angle: 15°

| h(m) | E(lx) | D(m) |
|---|---|---|
| 1 | 4165 | 0.26 |
| 2 | 1041 | 0.52 |
| 3 | 463 | 0.79 |
| 4 | 260 | 1.05 |
| 5 | 167 | 1.31 |

**2700K**

Non Dimmable
- F001D23A001.A
- F001D23A006.A
- F001D23A012.A
- F001D23A018.A
- F001D23A030.A
- F001D23A033.A

1-10V
- F001D23B001.A
- F001D23B006.A
- F001D23B012.A
- F001D23B018.A
- F001D23B030.A
- F001D23B033.A

**3000K**

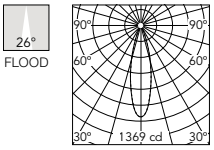
Non Dimmable
- F001D33A001
- F001D33A006
- F001D33A012
- F001D33A018
- F001D33A030
- F001D33A033

1-10V
- F001D33B001
- F001D33B006
- F001D33B012
- F001D33B018
- F001D33B030
- F001D33B033

**4000K**

Non Dimmable
- F001D43A001
- F001D43A006
- F001D43A012
- F001D43A018
- F001D43A030
- F001D43A033

1-10V
- F001D43B001
- F001D43B006
- F001D43B012
- F001D43B018
- F001D43B030
- F001D43B033

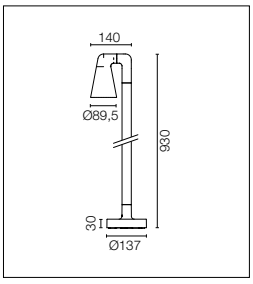


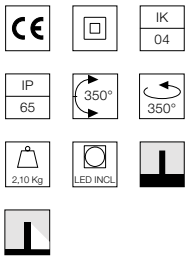

@4000K

Beam Angle: 26°

| h(m) | E(lx) | D(m) |
|---|---|---|
| 1 | 1369 | 0.46 |
| 2 | 342 | 0.93 |
| 3 | 152 | 1.39 |
| 4 | 86 | 1.85 |
| 5 | 55 | 2.31 |

# Belvedere Spot Floor 3




220-240V power supply included. Ready for installation on solid surface. Box for ground installation to be ordered separately.
Included 2 way terminal block 4 poles IP68 H2O Stop.
Version 110V upon request.

Fuente de alimentación 220-240V incluida. Listo para instalaciones sobre base rígida. Caja para instalaciones en el suelo disponible bajo pedido.
Incluye un bloque de terminales IP68 H2O Stop anticondensación con 2 vías y 4 polos.
Versión de 110V bajo pedido.

**Power Led:** 6W - 513 lm ≠ *FIXT 425 lm - 2700K/CRI 80 - 220-240V / 6W - 530 lm ≠ *FIXT 440 lm - 3000K/CRI 80 - 220-240V / 6W - 570 lm ≠ *FIXT 473 lm - 4000K/CRI 80 - 220-240V
*FIXT lm = Spot Optic

### 2700K

Non Dimmable
- ○ F001E21A001.A
- ● F001E21A006.A
- ● F001E21A012.A
- ● F001E21A018.A
- ● F001E21A030.A
- ● F001E21A033.A

1-10V
- ○ F001E21B001.A
- ● F001E21B006.A
- ● F001E21B012.A
- ● F001E21B018.A
- ● F001E21B030.A
- ● F001E21B033.A

Dali
- ○ F001E21D001.A
- ● F001E21D006.A
- ● F001E21D012.A
- ● F001E21D018.A
- ● F001E21D030.A
- ● F001E21D033.A

### 3000K

Non Dimmable
- ○ F001E31A001
- ● F001E31A006
- ● F001E31A012
- ● F001E31A018
- ● F001E31A030
- ● F001E31A033

1-10V
- ○ F001E31B001
- ● F001E31B006
- ● F001E31B012
- ● F001E31B018
- ● F001E31B030
- ● F001E31B033

Dali
- ○ F001E31D001
- ● F001E31D006
- ● F001E31D012
- ● F001E31D018
- ● F001E31D030
- ● F001E31D033

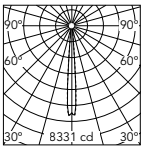
### 4000K

Non Dimmable
- ○ F001E41A001
- ● F001E41A006
- ● F001E41A012
- ● F001E41A018
- ● F001E41A030
- ● F001E41A033

1-10V
- ○ F001E41B001
- ● F001E41B006
- ● F001E41B012
- ● F001E41B018
- ● F001E41B030
- ● F001E41B033

Dali
- ○ F001E41D001
- ● F001E41D006
- ● F001E41D012
- ● F001E41D018
- ● F001E41D030
- ● F001E41D033

9°
SPOT




@4000K

Beam Angle: 9°

| h(m) | E(lx) | D(m) |
|---|---|---|
| 1 | 8330 | 0.16 |
| 2 | 2083 | 0.32 |
| 3 | 926 | 0.48 |
| 4 | 521 | 0.64 |
| 5 | 333 | 0.80 |

### 2700K

Non Dimmable
- ○ F001E22A001.A
- ● F001E22A006.A
- ● F001E22A012.A
- ● F001E22A018.A
- ● F001E22A030.A
- ● F001E22A033.A

1-10V
- ○ F001E22B001.A
- ● F001E22B006.A
- ● F001E22B012.A
- ● F001E22B018.A
- ● F001E22B030.A
- ● F001E22B033.A

Dali
- ○ F001E22D001.A
- ● F001E22D006.A
- ● F001E22D012.A
- ● F001E22D018.A
- ● F001E22D030.A
- ● F001E22D033.A

### 3000K

Non Dimmable
- ○ F001E32A001
- ● F001E32A006
- ● F001E32A012
- ● F001E32A018
- ● F001E32A030
- ● F001E32A033

1-10V
- ○ F001E32B001
- ● F001E32B006
- ● F001E32B012
- ● F001E32B018
- ● F001E32B030
- ● F001E32B033

Dali
- ○ F001E32D001
- ● F001E32D006
- ● F001E32D012
- ● F001E32D018
- ● F001E32D030
- ● F001E32D033

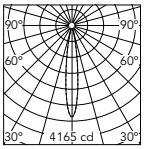
### 4000K

Non Dimmable
- ○ F001E42A001
- ● F001E42A006
- ● F001E42A012
- ● F001E42A018
- ● F001E42A030
- ● F001E42A033

1-10V
- ○ F001E42B001
- ● F001E42B006
- ● F001E42B012
- ● F001E42B018
- ● F001E42B030
- ● F001E42B033

Dali
- ○ F001E42D001
- ● F001E42D006
- ● F001E42D012
- ● F001E42D018
- ● F001E42D030
- ● F001E42D033

15°
MEDIUM




@4000K

Beam Angle: 15°

| h(m) | E(lx) | D(m) |
|---|---|---|
| 1 | 4165 | 0.26 |
| 2 | 1041 | 0.52 |
| 3 | 463 | 0.79 |
| 4 | 260 | 1.05 |
| 5 | 167 | 1.31 |

### 2700K

Non Dimmable
- ○ F001E23A001.A
- ● F001E23A006.A
- ● F001E23A012.A
- ● F001E23A018.A
- ● F001E23A030.A
- ● F001E23A033.A

1-10V
- ○ F001E23B001.A
- ● F001E23B006.A
- ● F001E23B012.A
- ● F001E23B018.A
- ● F001E23B030.A
- ● F001E23B033.A

Dali
- ○ F001E23D001.A
- ● F001E23D006.A
- ● F001E23D012.A
- ● F001E23D018.A
- ● F001E23D030.A
- ● F001E23D033.A

### 3000K

Non Dimmable
- ○ F001E33A001
- ● F001E33A006
- ● F001E33A012
- ● F001E33A018
- ● F001E33A030
- ● F001E33A033

1-10V
- ○ F001E33B001
- ● F001E33B006
- ● F001E33B012
- ● F001E33B018
- ● F001E33B030
- ● F001E33B033

Dali
- ○ F001E33D001
- ● F001E33D006
- ● F001E33D012
- ● F001E33D018
- ● F001E33D030
- ● F001E33D033

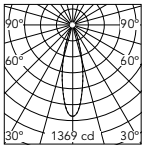
### 4000K

Non Dimmable
- ○ F001E43A001
- ● F001E43A006
- ● F001E43A012
- ● F001E43A018
- ● F001E43A030
- ● F001E43A033

1-10V
- ○ F001E43B001
- ● F001E43B006
- ● F001E43B012
- ● F001E43B018
- ● F001E43B030
- ● F001E43B033

Dali
- ○ F001E43D001
- ● F001E43D006
- ● F001E43D012
- ● F001E43D018
- ● F001E43D030
- ● F001E43D033

26°
FLOOD

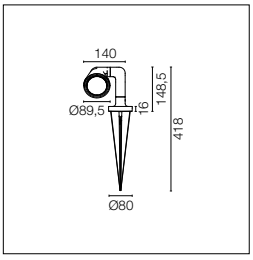


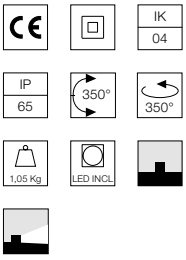

@4000K

Beam Angle: 26°

| h(m) | E(lx) | D(m) |
|---|---|---|
| 1 | 1369 | 0.46 |
| 2 | 342 | 0.93 |
| 3 | 152 | 1.39 |
| 4 | 86 | 1.85 |
| 5 | 55 | 2.31 |

## Belvedere Spot Pick




220-240V power supply included. Included 2 way terminal block 4 poles IP68 H2O Stop.
24V Dimmable version available on request.
Version 110V upon request.

Fuente de alimentación 220-240V incluida.
Incluye un bloque de terminales IP68 H2O Stop anticondensación con 2 vías y 4 polos.
Versión regulable 24V disponible bajo pedido.
Versión de 110V bajo pedido.

**Power Led:** 6W - 513 lm ≠ *FIXT 425 lm - 2700K/CRI 80 - 220-240V / 6W - 530 lm ≠ *FIXT 440 lm - 3000K/CRI 80 - 220-240V / 6W - 570 lm ≠ *FIXT 473 lm - 4000K/CRI 80 - 220-240V
*FIXT lm = Spot Optic

**2700K**

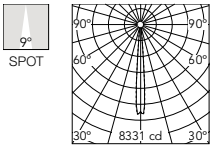
Non Dimmable
- ○ F001F21A001.A
- ● F001F21A006.A
- ● F001F21A012.A
- ● F001F21A018.A
- ● F001F21A030.A
- ● F001F21A033.A

**3000K**

Non Dimmable
- ○ F001F31A001
- ● F001F31A006
- ● F001F31A012
- ● F001F31A018
- ● F001F31A030
- ● F001F31A033

**4000K**

Non Dimmable
- ○ F001F41A001
- ● F001F41A006
- ● F001F41A012
- ● F001F41A018
- ● F001F41A030
- ● F001F41A033




Beam Angle: 9°

| h(m) | E(lx) | D(m) |
|---|---|---|
| 1 | 8330 | 0.16 |
| 2 | 2083 | 0.32 |
| 3 | 926 | 0.48 |
| 4 | 521 | 0.64 |
| 5 | 333 | 0.80 |

@4000K

**2700K**

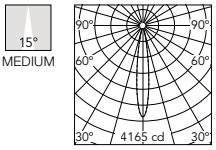
Non Dimmable
- ○ F001F22A001.A
- ● F001F22A006.A
- ● F001F22A012.A
- ● F001F22A018.A
- ● F001F22A030.A
- ● F001F22A033.A

**3000K**

Non Dimmable
- ○ F001F32A001
- ● F001F32A006
- ● F001F32A012
- ● F001F32A018
- ● F001F32A030
- ● F001F32A033

**4000K**

Non Dimmable
- ○ F001F42A001
- ● F001F42A006
- ● F001F42A012
- ● F001F42A018
- ● F001F42A030
- ● F001F42A033




Beam Angle: 15°

| h(m) | E(lx) | D(m) |
|---|---|---|
| 1 | 4165 | 0.26 |
| 2 | 1041 | 0.52 |
| 3 | 463 | 0.79 |
| 4 | 260 | 1.05 |
| 5 | 167 | 1.31 |

@4000K

**2700K**

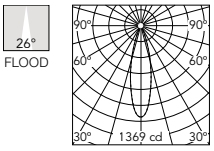
Non Dimmable
- ○ F001F23A001.A
- ● F001F23A006.A
- ● F001F23A012.A
- ● F001F23A018.A
- ● F001F23A030.A
- ● F001F23A033.A

**3000K**

Non Dimmable
- ○ F001F33A001
- ● F001F33A006
- ● F001F33A012
- ● F001F33A018
- ● F001F33A030
- ● F001F33A033

**4000K**

Non Dimmable
- ○ F001F43A001
- ● F001F43A006
- ● F001F43A012
- ● F001F43A018
- ● F001F43A030
- ● F001F43A033

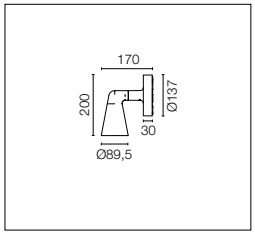


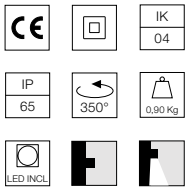

Beam Angle: 26°

| h(m) | E(lx) | D(m) |
|---|---|---|
| 1 | 1369 | 0.46 |
| 2 | 342 | 0.93 |
| 3 | 152 | 1.39 |
| 4 | 86 | 1.85 |
| 5 | 55 | 2.31 |

@4000K

## Belvedere Spot Wall




Direct wall installation. 220-240V power supply included.
Included 2 way terminal block 4 poles IP68 H2O Stop.
24V Dimmable version available on request.

Sujeción directa a pared.
Fuente de alimentación 220-240V incluida. Incluye un bloque de terminales IP68 H2O Stop anticondensación con 2 vías y 4 polos.
Versión regulable 24V disponible bajo pedido.

**Power Led:** 6W - 513 lm ≠ *FIXT 425 lm - 2700K/CRI 80 - 220-240V / 6W - 530 lm ≠ *FIXT 440 lm - 3000K/CRI 80 - 220-240V / 6W - 570 lm ≠ *FIXT 473 lm - 4000K/CRI 80 - 220-240V
*FIXT lm = Spot Optic

**2700K**

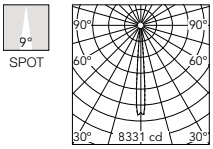
Non Dimmable
- ○ F001G21A001.A
- ● F001G21A006.A
- ● F001G21A012.A
- ● F001G21A018.A
- ● F001G21A030.A
- ● F001G21A033.A

**3000K**

Non Dimmable
- ○ F001G31A001
- ● F001G31A006
- ● F001G31A012
- ● F001G31A018
- ● F001G31A030
- ● F001G31A033

**4000K**

Non Dimmable
- ○ F001G41A001
- ● F001G41A006
- ● F001G41A012
- ● F001G41A018
- ● F001G41A030
- ● F001G41A033




Beam Angle: 9°

| h(m) | E(lx) | D(m) |
|---|---|---|
| 1 | 8330 | 0.16 |
| 2 | 2083 | 0.32 |
| 3 | 926 | 0.48 |
| 4 | 521 | 0.64 |
| 5 | 333 | 0.80 |

@4000K

**2700K**

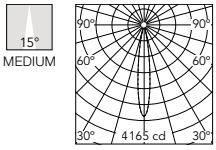
Non Dimmable
- ○ F001G22A001.A
- ● F001G22A006.A
- ● F001G22A012.A
- ● F001G22A018.A
- ● F001G22A030.A
- ● F001G22A033.A

**3000K**

Non Dimmable
- ○ F001G32A001
- ● F001G32A006
- ● F001G32A012
- ● F001G32A018
- ● F001G32A030
- ● F001G32A033

**4000K**

Non Dimmable
- ○ F001G42A001
- ● F001G42A006
- ● F001G42A012
- ● F001G42A018
- ● F001G42A030
- ● F001G42A033




Beam Angle: 15°

| h(m) | E(lx) | D(m) |
|---|---|---|
| 1 | 4165 | 0.26 |
| 2 | 1041 | 0.52 |
| 3 | 463 | 0.79 |
| 4 | 260 | 1.05 |
| 5 | 167 | 1.31 |

@4000K

**2700K**

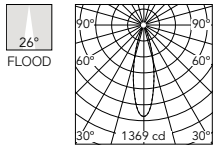
Non Dimmable
- ○ F001G23A001.A
- ● F001G23A006.A
- ● F001G23A012.A
- ● F001G23A018.A
- ● F001G23A030.A
- ● F001G23A033.A

**3000K**

Non Dimmable
- ○ F001G33A001
- ● F001G33A006
- ● F001G33A012
- ● F001G33A018
- ● F001G33A030
- ● F001G33A033

**4000K**

Non Dimmable
- ○ F001G43A001
- ● F001G43A006
- ● F001G43A012
- ● F001G43A018
- ● F001G43A030
- ● F001G43A033

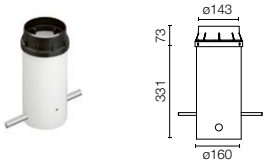
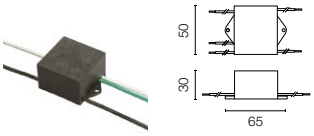



Beam Angle: 26°

| h(m) | E(lx) | D(m) |
|---|---|---|
| 1 | 1369 | 0.46 |
| 2 | 342 | 0.93 |
| 3 | 152 | 1.39 |
| 4 | 86 | 1.85 |
| 5 | 55 | 2.31 |

@4000K

## Belvedere Spot: Accessories / Accesorios

| | | | |
|---|---|---|---|
| Box for ground installation. | Caja para instalación en el suelo. | Bellvedere Spot / Clove<br>F001Z020000 |  |
| Spot visor. | Visera Spot. | Bellvedere Spot<br>F001Z010000 | |
| Spot visor with honeycomb. | Visera Spot con honeycomb. | Bellvedere Spot<br>F001Z030000 | |
| Spot visor with flood lens. | Visera Spot con lente flood. | Bellvedere Spot<br>F001Z040000 | |
| Surge protection device. 275Vac. Maximum discharge current 10KA (8/20us). Maximum operating current 5A. Suitable for series connection. IP66. | Dispositivo de protección contra sobrecargas. 275 Vac. Corriente de descarga máxima 10KA (8/20us). Corriente máxima de funcionamiento 5A. Apta para conexión en serie. IP66. | Bellvedere Spot / Clove / Wall<br>F990E00A000 |  |

# Klein Pro

Designed by Flos Outdoor

Klein Pro

## Family / Familia

Klein Pro

**Power Led**
11W
294 lm - 2700K/CRI 80
304 lm - 3000K/CRI 80
325 lm - 4000K/CRI 80

## Colours / Colores

01 White

06 Grey

12 Forest Green

18 Deep Brown

30 Black

33 Anthracite

70 Anodized Natural

71 Anodized Black

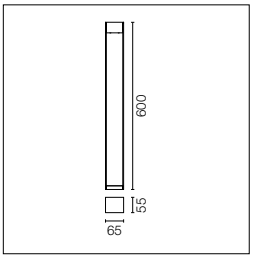
73 Anodized Gold*

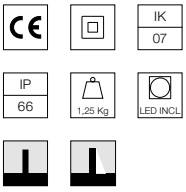
* Only for pole screen. / Solo para la pantalla.

## Description / Descripción

The body of Klein Pro bollard is made of extruded aluminium, base and diffuser in die-cast aluminium EN AB-47100 with a low copper content.
High-resistance coating: the external coating is applied with a double layer with epoxy powders according to the QUALICOAT standard. The first layer of epoxy powder gives chemical and mechanical resistance, the second finishing layer of polyester powder ensures resistance.
Also available in anodized finishes.

El cuerpo del bolardo Klein Pro está hecho de aluminio extruido, la base y el difusor de aluminio fundido según la norma EN AB-47100 con un bajo contenido en cobre.
Revestimiento de alta resistencia: se aplica el revestimiento externo con una capa doble con polvos epoxídicos, de conformidad con el estándar QUALICOAT. La primera capa de polvo epoxídico proporciona resistencia química y mecánica, mientras que la segunda capa de acabado de polvo de poliéster garantiza la resistencia.
También está disponible en acabados anodizados.
Klein Pro es compatible con la placa de fijación "Klein" existente.




220-240V power supply integrated. Solid surface or ground installation accessories to be ordered separately.
Each luminaire is equipped with 1000 mm lenght outgoing cable and a wiring kit.

Suministro eléctrico de 220-240V integrado. Instalación sobre una superficie sólida o en el suelo; los accesorios se tienen que pedir por separado.
Cada luminaria está dotada de un segmento de 1000 mm de cable saliente y de un kit de cableado.

**Power Led:** 11W - 1089 lm ≠ FIXT 294 lm - 2700K/CRI 80 - 220-240V / 11W - 1126 lm ≠ FIXT 304 lm - 3000K/CRI 80 - 220-240V / 11W - 1211 lm ≠ FIXT 325 lm - 4000K/CRI 80 - 220-240V

**2700K**

Non Dimmable
- ○ F002A20A001.B
- ● F002A20A006.B
- ● F002A20A012.B
- ● F002A20A018.B
- ● F002A20A030.B
- ● F002A20A033.B
- ● F002A21A070.B
- ● F002A21A071.B

1-10V
- ○ F002A20B001.B
- ● F002A20B006.B
- ● F002A20B012.B
- ● F002A20B018.B
- ● F002A20B030.B
- ● F002A20B033.B
- ● F002A21B070.B
- ● F002A21B071.B

Dali
- ○ F002A20D001.B
- ● F002A20D006.B
- ● F002A20D012.B
- ● F002A20D018.B
- ● F002A20D030.B
- ● F002A20D033.B
- ● F002A21D070.B
- ● F002A21D071.B

**3000K**

Non Dimmable
- ○ F002A30A001.B
- ● F002A30A006.B
- ● F002A30A012.B
- ● F002A30A018.B
- ● F002A30A030.B
- ● F002A30A033.B
- ● F002A31A070.B
- ● F002A31A071.B

1-10V
- ○ F002A30B001.B
- ● F002A30B006.B
- ● F002A30B012.B
- ● F002A30B018.B
- ● F002A30B030.B
- ● F002A30B033.B
- ● F002A31B070.B
- ● F002A31B071.B

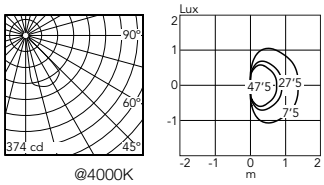
Dali
- ○ F002A30D001.B
- ● F002A30D006.B
- ● F002A30D012.B
- ● F002A30D018.B
- ● F002A30D030.B
- ● F002A30D033.B
- ● F002A31D070.B
- ● F002A31D071.B

**4000K**

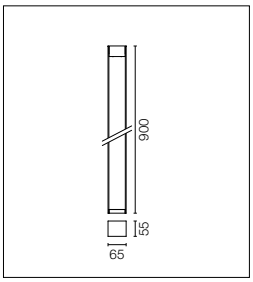
Non Dimmable
- ○ F002A40A001.A
- ● F002A40A006.A
- ● F002A40A012.A
- ● F002A40A018.A
- ● F002A40A030.A
- ● F002A40A033.A
- ● F002A41A070.A
- ● F002A41A071.A

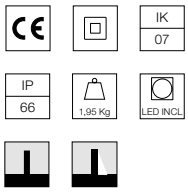
1-10V
- ○ F002A40B001.A
- ● F002A40B006.A
- ● F002A40B012.A
- ● F002A40B018.A
- ● F002A40B030.A
- ● F002A40B033.A
- ● F002A41B070.A
- ● F002A41B071.A

Dali
- ○ F002A40D001.A
- ● F002A40D006.A
- ● F002A40D012.A
- ● F002A40D018.A
- ● F002A40D030.A
- ● F002A40D033.A
- ● F002A41D070.A
- ● F002A41D071.A



@4000K




220-240V power supply integrated. Solid surface or ground installation accessories to be ordered separately.
Each luminaire is equipped with 1000 mm lenght outgoing cable and a wiring kit.

Suministro eléctrico de 220-240V integrado. Instalación sobre una superficie sólida o en el suelo; los accesorios se tienen que pedir por separado. Cada luminaria está dotada de un segmento de 1000 mm de cable saliente y de un kit de cableado.

**Power Led:** 11W - 1089 lm ≠ FIXT 294 lm - 2700K/CRI 80 - 220-240V / 11W - 1126 lm ≠ FIXT 304 lm - 3000K/CRI 80 - 220-240V / 11W - 1211 lm ≠ FIXT 325 lm - 4000K/CRI 80 - 220-240V

**2700K**

Non Dimmable
- ○ F002B20A001.B
- ● F002B20A006.B
- ● F002B20A012.B
- ● F002B20A018.B
- ● F002B20A030.B
- ● F002B20A033.B
- ● F002B21A070.B
- ● F002B21A071.B

1-10V
- ○ F002B20B001.B
- ● F002B20B006.B
- ● F002B20B012.B
- ● F002B20B018.B
- ● F002B20B030.B
- ● F002B20B033.B
- ● F002B21B070.B
- ● F002B21B071.B

Dali
- ○ F002B20D001.B
- ● F002B20D006.B
- ● F002B20D012.B
- ● F002B20D018.B
- ● F002B20D030.B
- ● F002B20D033.B
- ● F002B21D070.B
- ● F002B21D071.B

**3000K**

Non Dimmable
- ○ F002B30A001.B
- ● F002B30A006.B
- ● F002B30A012.B
- ● F002B30A018.B
- ● F002B30A030.B
- ● F002B30A033.B
- ● F002B31A070.B
- ● F002B31A071.B

1-10V
- ○ F002B30B001.B
- ● F002B30B006.B
- ● F002B30B012.B
- ● F002B30B018.B
- ● F002B30B030.B
- ● F002B30B033.B
- ● F002B31B070.B
- ● F002B31B071.B

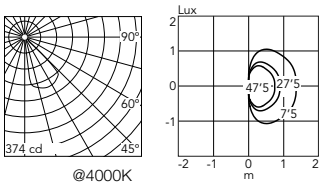
Dali
- ○ F002B30D001.B
- ● F002B30D006.B
- ● F002B30D012.B
- ● F002B30D018.B
- ● F002B30D030.B
- ● F002B30D033.B
- ● F002B31D070.B
- ● F002B31D071.B

**4000K**

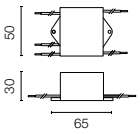
Non Dimmable
- ○ F002B40A001.A
- ● F002B40A006.A
- ● F002B40A012.A
- ● F002B40A018.A
- ● F002B40A030.A
- ● F002B40A033.A
- ● F002B41A070.A
- ● F002B41A071.A

1-10V
- ○ F002B40B001.A
- ● F002B40B006.A
- ● F002B40B012.A
- ● F002B40B018.A
- ● F002B40B030.A
- ● F002B40B033.A
- ● F002B41B070.A
- ● F002B41B071.A

Dali
- ○ F002B40D001.A
- ● F002B40D006.A
- ● F002B40D012.A
- ● F002B40D018.A
- ● F002B40D030.A
- ● F002B40D033.A
- ● F002B41D070.A
- ● F002B41D071.A

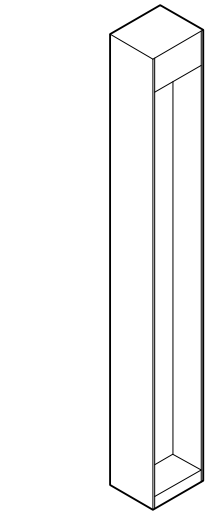


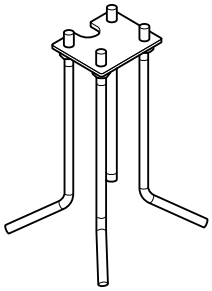
## Klein Pro: Accessories / Accesorios

| | | | |
|---|---|---|---|
| Fixing base for solid surfaces. | Base de fijación para superficies sólidas. | ○ F002Z010001.A<br>● F002Z010006.A<br>● F002Z010012.A<br>● F002Z010018.A<br>● F002Z010030.A<br>● F002Z010033.A | |
| Minimal Klein Pro ground fixation plate, 47x57xH160 mm. | Placa minimalista del Klein Pro de fijación para el suelo, 47x57x160 (Alt.) mm. | F002Z030000.A | |
| Klein Pro base plate and fixing bolts 85x85xH160 mm. | Placa de fijación al suelo y tirafondos Klein Pro 85x85x160 (Alt) mm. | F002Z020000 | |
| Anodized aestetical pole screen. | Difusor estético anodizado del poste. | H 600 mm<br>● F002Z040070<br>● F002Z040071<br>● F002Z040073<br>H 900 mm<br>● F002Z050070<br>● F002Z050071<br>● F002Z050073 | |
| Surge protection device. 275Vac. Maximum discharge current 10KA (8/20us). Maximum operating current 5A. Suitable for series connection. IP66. | Dispositivo de protección contra sobrecargas. 275 Vac. Corriente de descarga máxima 10KA (8/20us). Corriente máxima de funcionamiento 5A. Apta para conexión en serie. IP66. | F990E00A000 |   |

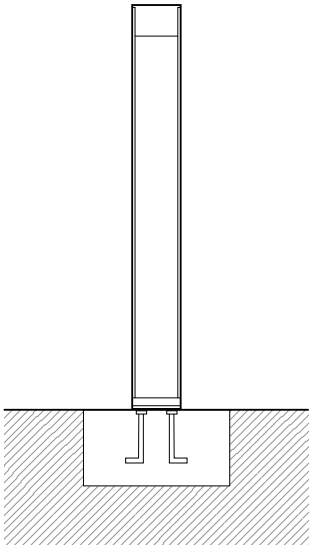
## Installation Options / Opciones de Montaje

Option 1
Fixing anchor bolts /
Con tirafondos

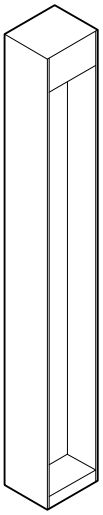


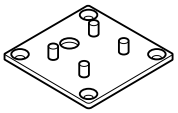


cod. F002Z030000.A

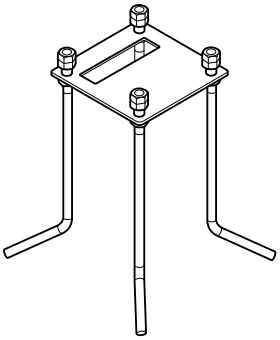


Option 2
With base and fixing anchor bolts /
Con base y tirafondos

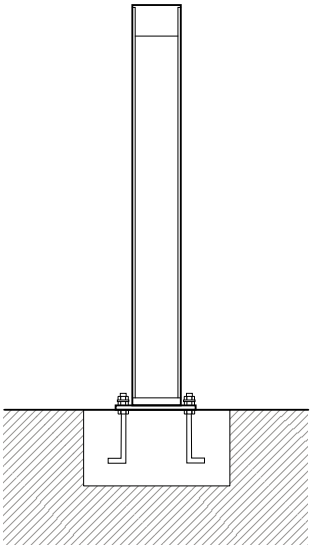




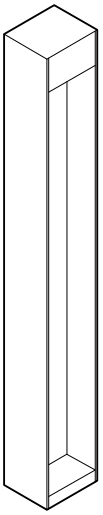
cod. F002Z0100.A

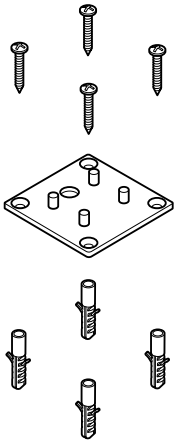


cod. F002Z020000

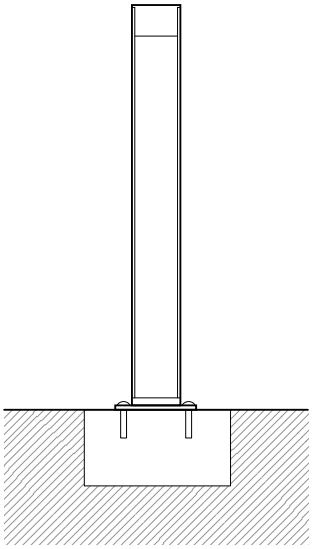


Option 3
With base for bolts (not included) /
Pase para fijación con tacos de expansión
(no incluidos)





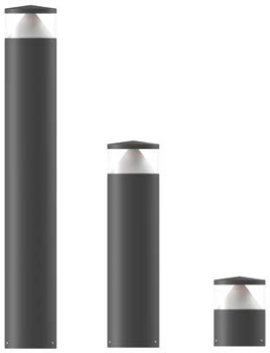
cod. F002Z0100.A



## Zefiro

## Family / Familia

Zefiro



**Mid - Power Led**
up to 14,5W
up to 1357 lm - 2700K/CRI 80
up to 1423 lm - 3000K/CRI 80
up to 1494 lm - 4000K/CRI 80
* Net lumen output

## Colours / Colores

01 White

06 Grey

12 Forest Green

18 Deep Brown

30 Black

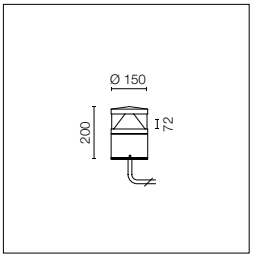
33 Anthracite

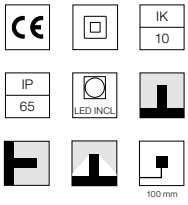
## Description / Descripción

Outdoor bollard with LED light source. Available in three heights. Cylindrical, extruded aluminium body, die-cast aluminium cap, polycarbonate, transparent and UV-stabilized diffuser. The light source integrated in the cap allows a radial and asymmetrical light emission oriented towards the base, which can be combined to the painted aluminium, conical reflector to contain the direct reflection upwards. Available in different finishes with a double layer coating and a chemical conversion surface treatment to guarantee high resistance to corrosion. The bollard can be easily installed on any kind of ground surface, directly with studs or through the dedicated fixing plate and bolts which solidly attach the luminaire to the ground. The fixing screws are made of AISI 316L stainless steel.

Baliza para exteriores con fuente luminosa LED, disponible en tres alturas. Cuerpo cilíndrico de aluminio extruido, cabeza de aluminio fundido, difusor de policarbonato transparente y resistente a los rayos UV. La fuente luminosa integrada en la cabeza permite una emisión luminosa asimétrica radial, orientada hacia la base, que se combina con el reflector cónico de aluminio pintado para contener la reflexión directa hacia arriba. Disponible en diferentes acabados con recubrimiento de polvo de doble capa y tratamiento superficial de conversión química para garantizar una elevada resistencia ante la corrosión. La baliza se puede instalar fácilmente en el suelo sobre cualquier pavimento, mediante tacos o bien utilizando la placa de anclaje específica y los tirafondos que fijan sólidamente la luminaria en el pavimento. Los tornillos de fijación son de acero inoxidable AISI 316L.

## Zefiro 200




LED source included. Integrated electric power supply 220-240V ON/OFF and adjustable light intensity from 1 to 10V or DALI. Equipped with a protruding, neoprene, one meter cable and a 2-way IP68 H2O connection system. It can be installed on any ground using studs or a recessed fixing plate with mortar, to be ordered separately.

Fuente LED incluida. Fuente de alimentación eléctrica 220-240V ON/OFF e intensidad regulable entre 1 y 10V o DALI integrada. Dotada de una sección de cable de neopreno que sobresale 1 m y sistema de unión IP68 H2O Stop a 2 vías. Se puede instalar con tacos sobre cualquier pavimento o con placa de anclaje empotrable con mortero, que se debe pedir por separado.

**Mid - Power Led:** 14,5W - 1716 lm ≠ OUTPUT 1357 lm - 2700K/CRI 80 - 220÷240V / 14,5W - 1845 lm ≠ OUTPUT 1423 lm - 3000K/CRI 80 - 220÷240V / 14,5W - 1937 lm ≠ OUTPUT 1494 lm - 4000K/CRI 80 - 220÷240V

**2700K**

Non Dimmable
- FA53201401.A
- FA53201406.A
- FA53201412.A
- FA53201418.A
- FA53201430.A
- FA53201433.A

1-10V
- FA53201401-310.A
- FA53201406-310.A
- FA53201412-310.A
- FA53201418-310.A
- FA53201430-310.A
- FA53201433-310.A

Dali
- FA53201401-300.B
- FA53201406-300.B
- FA53201412-300.B
- FA53201418-300.B
- FA53201430-300.B
- FA53201433-300.B

**3000K**

Non Dimmable
- FA53200301.A
- FA53200306.A
- FA53200312.A
- FA53200318.A
- FA53200330.A
- FA53200333.A

1-10V
- FA53200301-310.A
- FA53200306-310.A
- FA53200312-310.A
- FA53200318-310.A
- FA53200330-310.A
- FA53200333-310.A

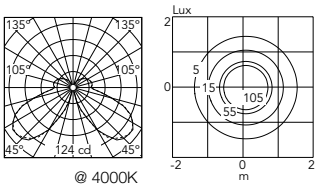
Dali
- FA53200301-300.B
- FA53200306-300.B
- FA53200312-300.B
- FA53200318-300.B
- FA53200330-300.B
- FA53200333-300.B

**4000K**

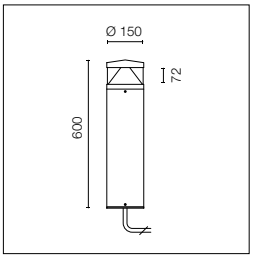
Non Dimmable
- FA53200201.A
- FA53200206.A
- FA53200212.A
- FA53200218.A
- FA53200230.A
- FA53200233.A

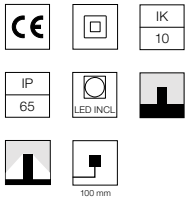
1-10V
- FA53200201-310.A
- FA53200206-310.A
- FA53200212-310.A
- FA53200218-310.A
- FA53200230-310.A
- FA53200233-310.A

Dali
- FA53200201-300.B
- FA53200206-300.B
- FA53200212-300.B
- FA53200218-300.B
- FA53200230-300.B
- FA53200233-300.B




## Zefiro 600




LED source included. Integrated electric power supply 220-240V ON/OFF and adjustable light intensity from 1 to 10V or DALI. Equipped with a protruding, neoprene, one meter cable and a 2-way IP68 H2O connection system. It can be installed on any ground using studs or a recessed fixing plate with mortar, to be ordered separately. Mid-Night version available upon request.

Fuente LED incluida. Fuente de alimentación eléctrica 220-240V ON/OFF e intensidad regulable entre 1 y 10V o DALI integrada. Dotada de una sección de cable de neopreno que sobresale 1 m y sistema de unión IP68 H2O Stop a 2 vías. Se puede instalar con tacos sobre cualquier pavimento o con placa de anclaje empotrable con mortero, que se debe pedir por separado. Versión Mid-Night disponible bajo pedido.

**Mid - Power Led:** 14,5W - 1716 lm ≠ OUTPUT 1357 lm - 2700K/CRI 80 - 220÷240V / 14,5W - 1845 lm ≠ OUTPUT 1423 lm - 2700K/CRI 80 - 220÷240V / 14,5W - 1937 lm ≠ OUTPUT 1494 lm - 4000K/CRI 80 - 220÷240V

**2700K**

Non Dimmable
- FA53201701.A
- FA53201706.A
- FA53201712.A
- FA53201718.A
- FA53201730.A
- FA53201733.A

1-10V
- FA53201701-310.A
- FA53201706-310.A
- FA53201712-310.A
- FA53201718-310.A
- FA53201730-310.A
- FA53201733-310.A

Dali
- FA53201701-300.B
- FA53201706-300.B
- FA53201712-300.B
- FA53201718-300.B
- FA53201730-300.B
- FA53201733-300.B

**3000K**

Non Dimmable
- FA53200601.A
- FA53200606.A
- FA53200612.A
- FA53200618.A
- FA53200630.A
- FA53200633.A

1-10V
- FA53200601-310.A
- FA53200606-310.A
- FA53200612-310.A
- FA53200618-310.A
- FA53200630-310.A
- FA53200633-310.A

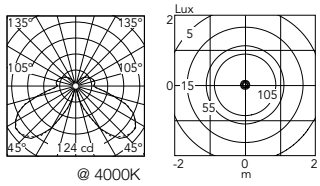
Dali
- FA53200601-300.B
- FA53200606-300.B
- FA53200612-300.B
- FA53200618-300.B
- FA53200630-300.B
- FA53200633-300.B

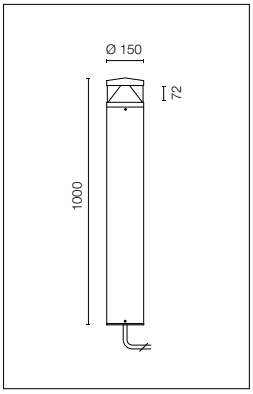
**4000K**

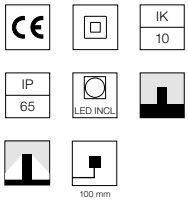
Non Dimmable
- FA53200501.A
- FA53200506.A
- FA53200512.A
- FA53200518.A
- FA53200530.A
- FA53200533.A

1-10V
- FA53200501-310.A
- FA53200506-310.A
- FA53200512-310.A
- FA53200518-310.A
- FA53200530-310.A
- FA53200533-310.A

Dali
- FA53200501-300.B
- FA53200506-300.B
- FA53200512-300.B
- FA53200518-300.B
- FA53200530-300.B
- FA53200533-300.B






LED source included. Integrated electric power supply 220-240V ON/OFF and adjustable light intensity from 1 to 10V or DALI. Equipped with a protruding, neoprene, one meter cable and a 2-way IP68 H2O connection system. It can be installed on any ground using studs or a recessed fixing plate with mortar, to be ordered separately. Mid-Night version available upon request.

Fuente LED incluida. Fuente de alimentación eléctrica 220-240V ON/OFF e intensidad regulable entre 1 y 10V o DALI integrada. Dotada de una sección de cable de neopreno que sobresale 1 m y sistema de unión IP68 H2O Stop a 2 vías. Se puede instalar con tacos sobre cualquier pavimento o con placa de anclaje empotrable con mortero, que se debe pedir por separado. Versión Mid-Night disponible bajo pedido.

**Mid - Power Led:** 14,5W - 1716 lm ≠ OUTPUT 1357 lm - 2700K/CRI 80 - 220÷240V / 14,5W - 1845 lm ≠ OUTPUT 1423 lm - 2700K/CRI 80 - 220÷240V / 14,5W - 1937 lm ≠ OUTPUT 1494 lm - 4000K/CRI 80 - 220÷240V

**2700K**

Non Dimmable
- ○ FA53202001.A
- ● FA53202006.A
- ● FA53202012.A
- ● FA53202018.A
- ● FA53202030.A
- ● FA53202033.A

1-10V
- ○ FA53202001-310.A
- ● FA53202006-310.A
- ● FA53202012-310.A
- ● FA53202018-310.A
- ● FA53202030-310.A
- ● FA53202033-310.A

Dali
- ○ FA53202001-300.B
- ● FA53202006-300.B
- ● FA53202012-300.B
- ● FA53202018-300.B
- ● FA53202030-300.B
- ● FA53202033-300.B

**3000K**

Non Dimmable
- ○ FA53200901.A
- ● FA53200906.A
- ● FA53200912.A
- ● FA53200918.A
- ● FA53200930.A
- ● FA53200933.A

1-10V
- ○ FA53200901-310.A
- ● FA53200906-310.A
- ● FA53200912-310.A
- ● FA53200918-310.A
- ● FA53200930-310.A
- ● FA53200933-310.A

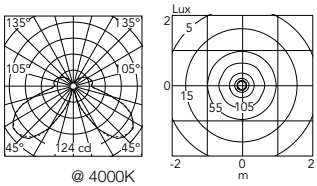
Dali
- ○ FA53200901-300.B
- ● FA53200906-300.B
- ● FA53200912-300.B
- ● FA53200918-300.B
- ● FA53200930-300.B
- ● FA53200933-300.B

**4000K**

Non Dimmable
- ○ FA53200801.A
- ● FA53200806.A
- ● FA53200812.A
- ● FA53200818.A
- ● FA53200830.A
- ● FA53200833.A

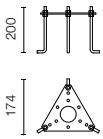
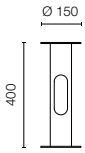
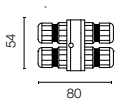
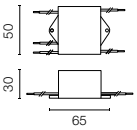
1-10V
- ○ FA53200801-310.A
- ● FA53200806-310.A
- ● FA53200812-310.A
- ● FA53200818-310.A
- ● FA53200830-310.A
- ● FA53200833-310.A

Dali
- ○ FA53200801-300.B
- ● FA53200806-300.B
- ● FA53200812-300.B
- ● FA53200818-300.B
- ● FA53200830-300.B
- ● FA53200833-300.B



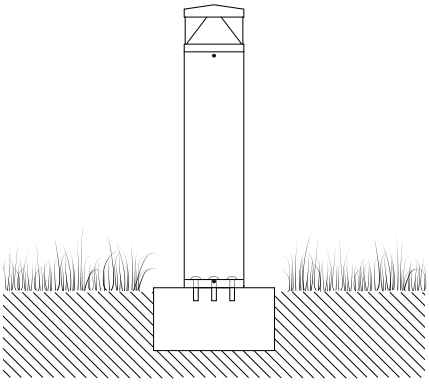
@ 4000K

## Zefiro: Accessories / Accesorios

| | | | | |
|---|---|---|---|---|
| Base plate with bolt. | Placa base de anclaje y tirafondos. | FA21 | |   |
| High resistance in-ground box for installation | Base de fijación a tierra de alta resistencia. | FA185.A | |   |
| 3/4 way terminal block 4 poles IP68 $H_2O$ Stop. (ø5,5÷12mm cable). | Bloque de terminales IP68 $H_2O$ Stop anticondensación con 3/4 vías y 4 polos. (Cable ø5,5÷12 mm). | F990C010000 | |   |
| Surge protection device. 275Vac. Maximum discharge current 10KA (8/20µs). Maximum operating current 5A. Suitable for series connection. IP66. | Dispositivo de protección contra sobrecargas. 275 Vac. Corriente de descarga máxima 10KA (8/20µs). Corriente máxima de funcionamiento 5A. Apta para conexión en serie. IP66. | F990E00A000 | |   |

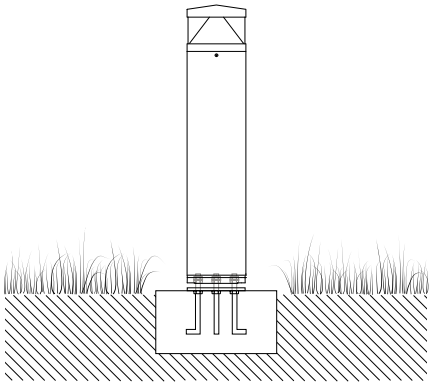
**Correct Fixing Method.**
Bollard fixed on plinth + plug.

**Método de fijación correcto.**
Pasador fijado con cemento sobre plinto + tornillos de fijación adecuados.



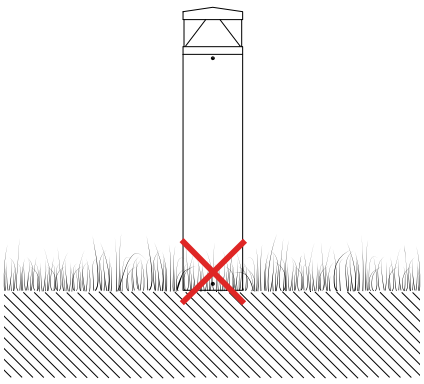
**Correct Fixing Method.**
Bollard fixed on plinth + fixing bolts.

**Método de fijación correcto.**
Pasador fijado con cemento + placa de anclaje y tirafondos.



**Incorrect Fixing Method.**
Do not fix the bollard directly on the ground.

**Método de fijación incorrecto.**
No fijar el pasador directamente sobre el terreno.

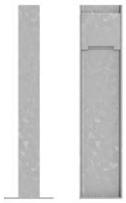


# I-Ron

I-Ron

## Family / Familia

I-Ron



**Power Led**
up to 9W
up to 391 lm - 2700K/CRI 80
up to 420 lm - 3000K/CRI 80
up to 448 lm - 4000K/CRI 80
2200K available on request.

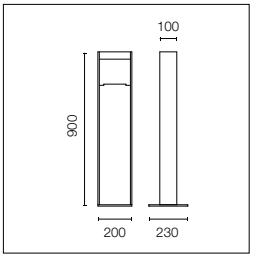
## Colours / Colores

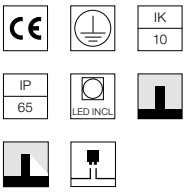
90 Zinc

## Description / Descripción

Outdoor bollard with hot-dip zinc-coated IPE steel bar H-frame structure for high resistance to corrosion. Thanks to its unique design, the fixture can also be used as a fixed architectural bollard. The LED light source is located at the back of the fixture and is protected by a plastic diffuser covered by zinc, which is located on the upper part of the bar. The electric components are located at the back of the luminaire. The bollard can be easily installed on any kind of ground surface, directly with studs or through the dedicated fixing plate and bolts which solidly attach the luminaire to the ground. The fixing screws are made of AISI 316L stainless steel.

Baliza para exteriores con estructura de viga IPE con perfil en H, en acero zincado por inmersión en caliente que le proporciona una alta resistencia ante la corrosión. Gracias a su particular diseño, la luminaria se puede utilizar también como bolardo arquitectónico fijo. La fuente de luz LED está situada en la parte posterior y está protegida por un difusor de plástico recubierto de zinc, situado en la parte superior de la barra. Los componentes eléctricos se encuentran en la parte posterior de la luminaria. La baliza se puede instalar fácilmente en el suelo sobre cualquier pavimento, mediante tacos o bien utilizando la placa de anclaje específica y los tirafondos que fijan sólidamente la luminaria en el pavimento. Los tornillos de fijación son de acero inoxidable AISI 316L.




LED source included. Integrated electric power supply 220-240V ON/OFF. Equipped with two rubber cable guides (8<ø<13mm cables) for inlet-outlet connections. It can be installed on any ground using studs or a recessed fixing plate with mortar, to be ordered separately.

2200K available on request.

Fuente LED incluida. Fuente de alimentación eléctrica 220-240V ON/OFF integrada. Dotada de dos pasacables para cables 8mm<ø<13mm para conexiones entrada-salida. Se puede instalar con tacos sobre cualquier pavimento o con placa de anclaje para empotrar con mortero, que se debe pedir por separado.

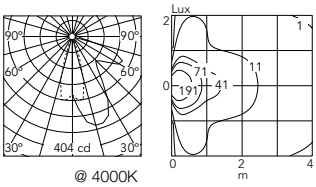
2200K disponible bajo pedido.

**Power Led:** 9W - 1011 lm ≠ OUTPUT 391 lm - 2700K/CRI 80 - 220-240V / 9W - 1087 lm ≠ OUTPUT 420 lm - 3000K/CRI 80 - 220-240V / 9W - 1162 lm ≠ OUTPUT 448 lm - 4000K/CRI 80 - 220-240V

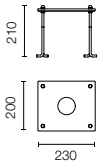
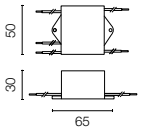
**2700K**
- FA1041060090

**3000K**
- FA1041040090

**4000K**
- FA1041970090

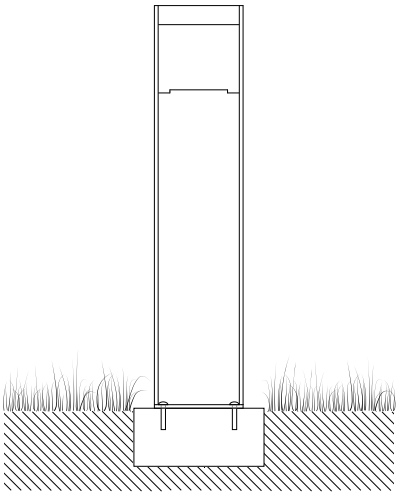



@ 4000K

| | | | | |
|---|---|---|---|---|
| Base plate with bolt. | Placa con tirafondos. | FA109 | |   |
| Surge protection device. 275Vac. Maximum discharge current 10KA (8/20us). Maximum operating current 5A. Suitable for series connection. IP66. | Dispositivo de protección contra sobrecargas. 275 Vac. Corriente de descarga máxima 10KA (8/20us). Corriente máxima de funcionamiento 5A. Apta para conexión en serie. IP66. | F990E00A000 | |   |

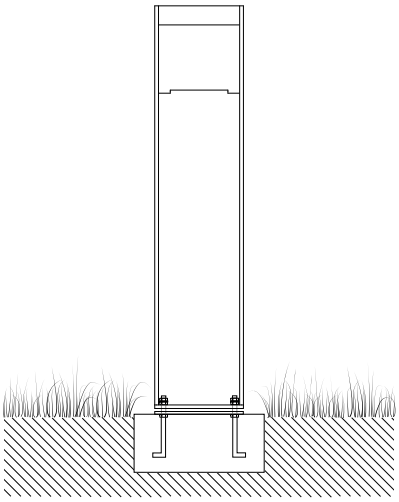
**Correct Fixing Method.**
Bollard fixed on plinth + plug.

**Método de fijación correcto.**
Pasador fijado con cemento sobre plinto + tornillos de fijación adecuados.



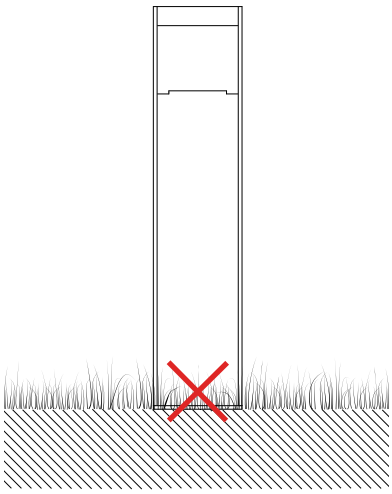
**Correct Fixing Method.**
Bollard fixed on plinth + fixing bolts.

**Método de fijación correcto.**
Pasador fijado con cemento + placa de anclaje y tirafondos.

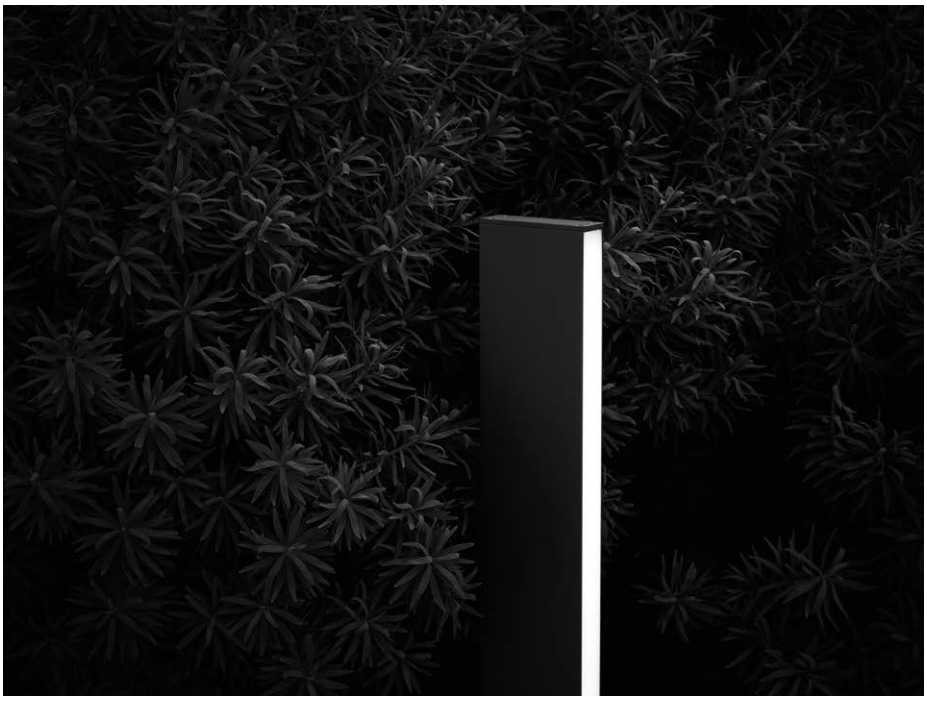


**Incorrect Fixing Method.**
Do not fix the bollard directly on the ground.

**Método de fijación incorrecto.**
No fijar el pasador directamente sobre el terreno.



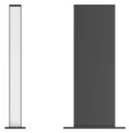
## Talia



Talia

## Family / Familia

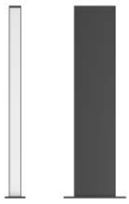
Talia 360



**Low - Power Led**
up to 4W
up to 73 lm - 2700K/CRI 80
up to 73 lm - 3000K/CRI 80
up to 73 lm - 4000K/CRI 80
* Net lumen output

**Low - Power Led**
up to 7W
up to 2x73 lm - 2700K/CRI 80
up to 2x73 lm - 3000K/CRI 80
up to 2x73 lm - 4000K/CRI 80
* Net lumen output

Talia 560



**Low - Power Led**
up to 6W
up to 123 lm - 2700K/CRI 80
up to 123 lm - 3000K/CRI 80
up to 123 lm - 4000K/CRI 80
* Net lumen output

**Low - Power Led**
up to 11W
up to 2x123 lm - 2700K/CRI 80
up to 2x123 lm - 3000K/CRI 80
up to 2x123 lm - 4000K/CRI 80
* Net lumen output

## Colours / Colores



01 White

06 Grey

12 Forest Green

18 Deep Brown

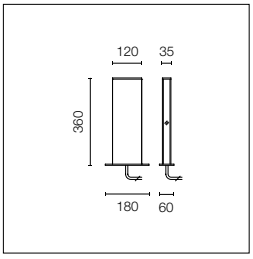
30 Black

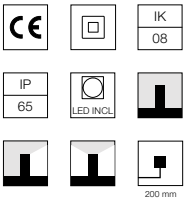
33 Anthracite

## Description / Descripción

Outdoor bollard with LED light source. Available in two heights and monodirectional or bidirectional light emission. Extruded aluminium body. Die-cast aluminium cap. UV-stabilized, opal polycarbonate diffuser. The linear LED module is housed in a sealed transparent polycarbonate cylinder with compensation valve. Available in different finishes with a double layer coating and a chemical conversion surface treatment to guarantee high resistance to corrosion. The bollard can be easily installed on any kind of ground surface, directly with studs or through the dedicated fixing plate and bolts which solidly attach the luminaire to the ground. The fixing screws are made of AISI 316L stainless steel.

Baliza para exteriores con fuente LED. Disponible en dos alturas y en versión con emisión luminosa monodireccional o bidireccional. Cuerpo de aluminio extruido, cabeza de aluminio fundido, difusor de policarbonato opal y resistente a los rayos UV. El módulo LED lineal está situado en un cilindro de protección sellado con policarbonato transparente y dotado de válvula de compensación. Disponible en diferentes acabados, con recubrimiento de polvo de doble capa y tratamiento superficial de conversión química para garantizar una elevada resistencia ante la corrosión. La baliza se puede instalar fácilmente en el suelo sobre cualquier pavimento, mediante tacos o bien utilizando la placa de anclaje específica y los tirafondos que fijan sólidamente la luminaria en el pavimento. Los tornillos de fijación son de acero inoxidable AISI 316L.



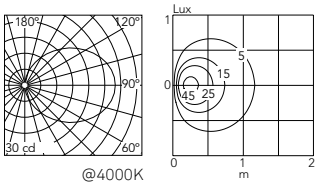

LED source included. Integrated electric power supply 220-240V ON/OFF. The luminaire is equipped with a protruding, neoprene, two meter cable and a wiring kit with crimp connectors and adhesive heat-shrink tubing guaranteeing the water tightness of the connection. It can be installed on any ground using studs or a recessed fixing plate with mortar, to be ordered separately.

Fuente LED incluida. Fuente de alimentación eléctrica 220-240V ON/OFF integrada. Dotada de una sección de cable de neopreno de 2 m que sobresale y kit con conectores crimpables y fundas termoretráctiles adhesivas que garantizan la estanqueidad de la conexión. Se puede instalar con tacos sobre cualquier pavimento o con placa de anclaje para empotrar con mortero, que se debe pedir por separado.

**Single Emission**

**Power Led:** 4W - 216 lm ≠ OUTPUT 73 lm - 2700K/CRI 80 - 220÷240V / 4W - 216 lm ≠ OUTPUT 73 lm - 3000K / CRI 80 - 220÷240V / 4W - 216 lm ≠ OUTPUT 73 lm - 4000K/CRI 80 - 220÷240V

| 2700K | 3000K | 4000K |
|---|---|---|
| ○ FA50320601 | ○ FA50300601 | ○ FA50301101 |
| ● FA50320606 | ● FA50300606 | ● FA50301106 |
| ● FA50320612 | ● FA50300612 | ● FA50301112 |
| ● FA50320618 | ● FA50300618 | ● FA50301118 |
| ● FA50320630 | ● FA50300630 | ● FA50301130 |
| ● FA50320633 | ● FA50300633 | ● FA50301133 |

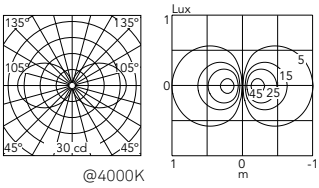


@4000K

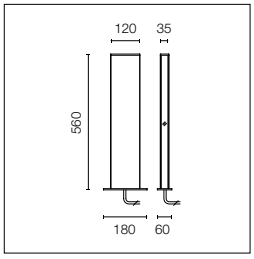
**Double Emission**

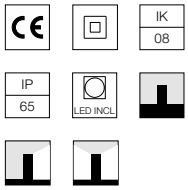
**Power Led:** 7W - 2x216 lm ≠ OUTPUT 2x73 lm - 2700K/CRI 80 - 220÷240V / 7W - 2x216 lm ≠ OUTPUT 2x73 lm - 4000K/CRI 80 - 220÷240V / 7W - 2x216 lm ≠ OUTPUT 2x73 lm - 4000K/CRI 80 - 220÷240V

| 2700K | 3000K | 4000K |
|---|---|---|
| ○ FA50320801 | ○ FA50300801 | ○ FA50301201 |
| ● FA50320806 | ● FA50300806 | ● FA50301206 |
| ● FA50320812 | ● FA50300812 | ● FA50301212 |
| ● FA50320818 | ● FA50300818 | ● FA50301218 |
| ● FA50320830 | ● FA50300830 | ● FA50301230 |
| ● FA50320833 | ● FA50300833 | ● FA50301233 |



@4000K



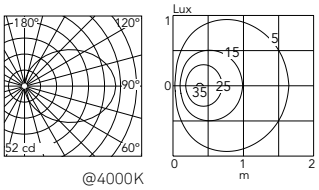

LED source included. Integrated electric power supply 220-240V ON/OFF. The luminaire is equipped with a protruding, neoprene, two meter cable and a wiring kit with crimp connectors and adhesive heat-shrink tubing guaranteeing the water tightness of the connection. It can be installed on any ground using studs or a recessed fixing plate with mortar, to be ordered separately.

Fuente LED incluida. Fuente de alimentación eléctrica 220-240V ON/OFF integrada. Dotada de una sección de cable de neopreno de 2 m que sobresale y kit con conectores crimpables y fundas termoretráctiles adhesivas que garantizan la estanqueidad de la conexión. Se puede instalar con tacos sobre cualquier pavimento o con placa de anclaje para empotrar con mortero, que se debe pedir por separado.

**Single Emission**

**Power Led:** 6W - 360 lm ≠ OUTPUT 123 lm - 2700K/CRI 80 - 220÷240V / 6W - 360 lm ≠ OUTPUT 123 lm - 3000K/CRI 80 - 220÷240V / 6W - 360 lm ≠ OUTPUT 123 lm - 4000K/CRI 80 - 220÷240V

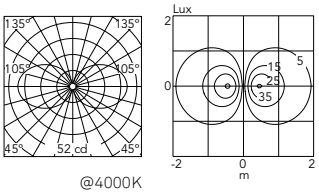
| 2700K | 3000K | 4000K |
|---|---|---|
| ○ FA50320201 | ○ FA50300201 | ○ FA50300901 |
| ● FA50320206 | ● FA50300206 | ● FA50300906 |
| ● FA50320212 | ● FA50300212 | ● FA50300912 |
| ● FA50320218 | ● FA50300218 | ● FA50300918 |
| ● FA50320230 | ● FA50300230 | ● FA50300930 |
| ● FA50320233 | ● FA50300233 | ● FA50300933 |



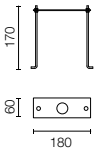
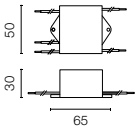

**Double Emission**

**Power Led:** 11W - 2x360 lm ≠ OUTPUT 2x123 lm - 2700K/CRI 80 - 220÷240V / 11W - 2x360 lm ≠ OUTPUT 2x123 lm - 3000K/CRI 80 - 220÷240V / 11W - 2x360 lm ≠ OUTPUT 2x123 lm - 4000K/CRI 80 - 220÷240V

| 2700K | 3000K | 4000K |
|---|---|---|
| ○ FA50320401 | ○ FA50300401 | ○ FA50301001 |
| ● FA50320406 | ● FA50300406 | ● FA50301006 |
| ● FA50320412 | ● FA50300412 | ● FA50301012 |
| ● FA50320418 | ● FA50300418 | ● FA50301018 |
| ● FA50320430 | ● FA50300430 | ● FA50301030 |
| ● FA50320433 | ● FA50300433 | ● FA50301033 |

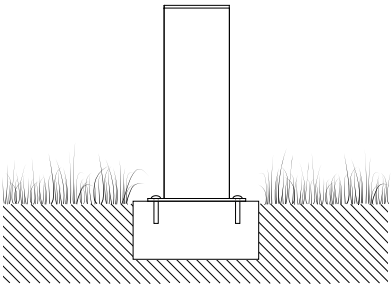


## Talia: Accessories / Accesorios

| | | | | |
|---|---|---|---|---|
| Base plate with bolt. | Placa con tirafondos. | FA139 | |   |
| Surge protection device. 275Vac. Maximum discharge current 10KA (8/20µs). Maximum operating current 5A. Suitable for series connection. IP66. | Dispositivo de protección contra sobrecargas. 275 Vac. Corriente de descarga máxima 10KA (8/20µs). Corriente máxima de funcionamiento 5A. Apta para conexión en serie. IP66. | F990E00A000 | |   |
| 2 way terminal block 4 poles IP68. (ø7÷12mm cable). | Bloque de terminales IP68 con 2 vías y 4 polos. (Cable ø7÷12 mm). | F990C040000 | | |

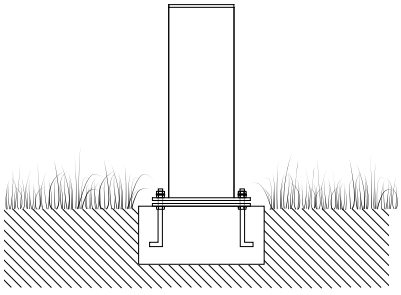
**Correct Fixing Method.**
Bollard fixed on plinth + plug.

**Método de fijación correcto.**
Pasador fijado con cemento sobre plinto + tornillos de fijación adecuados.



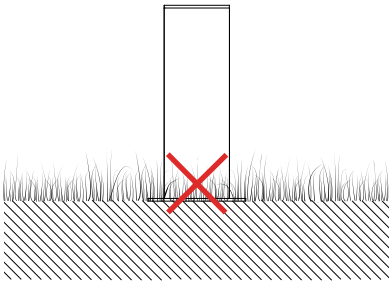
**Correct Fixing Method.**
Bollard fixed on plinth + fixing bolts.

**Método de fijación correcto.**
Pasador fijado con cemento + placa de anclaje y tirafondos.



**Incorrect Fixing Method.**
Do not fix the bollard directly on the ground.

**Método de fijación incorrecto.**
No fijar el pasador directamente sobre el terreno.



# Real Matter

Designed by Piero Lissoni

Real Matter

## Family / Familia

Real Matter

**Low - Power Led**
3W
71 lm - 2700K/CRI 80
82 lm - 3000K/CRI 80
2200K available on request.

## Colours / Colores

44 Brushed Gold

47 Brushed Bronze

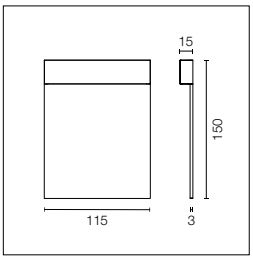
55 Brushed Stainless Steel

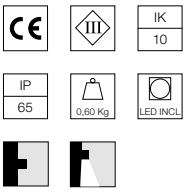
66 Polished Copper

## Description / Descripción

Luminaire for outdoor use for built-in installation on the wall with LED light source.
Body made of stainless steel AISI 316L treated with the PVD process (Physical Vapour Deposition). Thanks to this innovative treatment, after the polishing or brushing process, according to the finishing choice, the surfaces of Real Matter are coated with a thin film of metals such as zirconium and titanium which, combining with the steel at the molecular level, increase the characteristics of resistance to both mechanical and to atmospheric agents, allowing the realization of elegant and durable finishings.
UV-stabilized polycarbonate diffuser.
The luminaire is provided with two L 200 mm lenght outgoing power cables and with a kit for the hermetic IP connection. It is necessary to use an installation box, to be ordered separately.
24V power supply may be installed remotely or housed at the back of the luminaire in the box for installation.
3 version available select the model suitable for your type of installation:
- in concrete surface with recessed box to.
- in plasterboard surface supplied with springs.
- on solid surface no recessed box needed, the fixtures is directly glued on the surface.

Luminarias para exteriores empotrables en pared provistas de fuente de luz LED.
Cuerpo de acero inoxidable AISI 316L tratado con proceso PVD (Physical Vapour Deposition). Gracias a este innovador tratamiento, después del proceso de pulido o satinado según el acabado elegido, las superficies del Real Matter se recubren de una sutil película de metales como circonio y titanio que, combinándose con el acero a escala molecular, aumentan sus características de resistencia, tanto mecánica como a los agentes atmosféricos, permitiendo la realización de valiosos y duraderos acabados.
Difusor en policarbonato estabilizado contra los rayos UV.
El dispositivo está dotado de dos cables de alimentación que sobresalen de longitud de 200 mm y de un kit para la conexión hermética IP. Es preciso utilizar un encofrado, que se tiene que pedir por separado.
El transformador de 24V se puede instalar en remoto o alojarse posteriormente en el encofrado del aparato.
Producto en tres versiones distintas en función de la modalidad de instalación:
- en mampostería o en cemento con el correspondiente encofrado para empotrar.
- en pared de yeso con los correspondientes resortes.
- en mampostería o en cemento sin encofrado para empotrar: el dispositivo se pega directamente a la superficie.




Remote power supply 24V to be separately ordered.
The fixture is prewired with 200mm cable and an IP connection kit.
3 version available (select the model suitable for your type of installation):
- in concrete surface with recessed box to be ordered separately.
- in plasterboard surface (surface thickness min 5mm-max20mm) model supplied with springs.
- on solid surface no recessed box needed, the fixtures is directly glued on the surface (type of gluing to be select by the operator based on the type of surface).

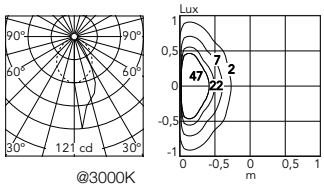
2200K available on request.

Alimentación remota 24V bajo pedido. Dispositivo equipado con dos cables de alimentación de 200 mm y de un kit para la conexión IP.
Producto en tres versiones distintas (encargue el código correcto en función de la modalidad de instalación):
- en mampostería o en cemento con el correspondiente encofrado para empotrar, bajo pedido.
- en pared de yeso con los correspondientes resortes incluidos (para un revestimiento de pared con un espesor mín. de 5 mm y un máx. de 20 mm).
- en mampostería o en cemento sin encofrado para empotrar: el dispositivo se pega directamente a la superficie (la elección del adhesivo corre a cargo del instalador en función del material sobre el que se instalará el dispositivo).

2200K disponible bajo pedido.

**Low-Power Led:** 3W - 180 lm ≠ FIXT 71 lm - 2700K/CRI 80 - 24V / 3W - 200 lm ≠ FIXT 82 lm - 3000K/CRI 80 - 24V

| 2700K | 3000K |
|---|---|
| Installation in masonry with box for installation/ Instalación en mampostería con encofrado | |
| F5960044 | F5961044 |
| F5960047 | F5961047 |
| F5960055 | F5961055 |
| F5960066 | F5961066 |
| Installation in plasterboard wall (min 5mm - max 20mm)/ Instalación en pared de yeso | |
| F5980044 | F5981044 |
| F5980047 | F5981047 |
| F5980055 | F5981055 |
| F5980066 | F5981066 |
| Installation in masonry without box for installation/ Instalación en mampostería sin encofrado | |
| F5970044 | F5971044 |
| F5970047 | F5971047 |
| F5970055 | F5971055 |
| F5970066 | F5971066 |

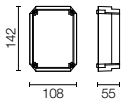


@3000K

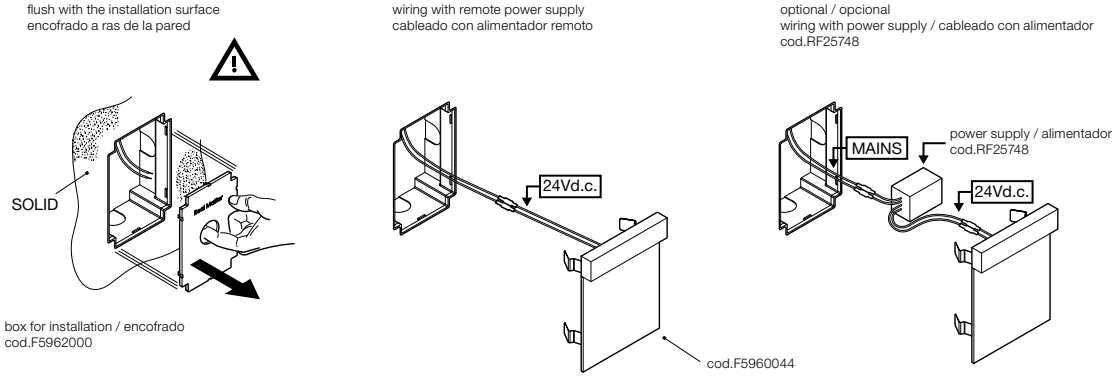
Box for installation for masonry or concrete wall.

Caja de instalación para mampostería o pared de hormigón.

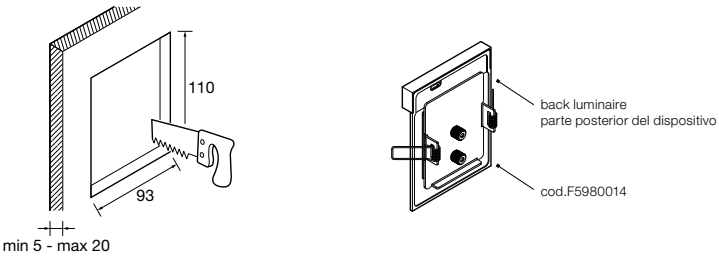
F5962000

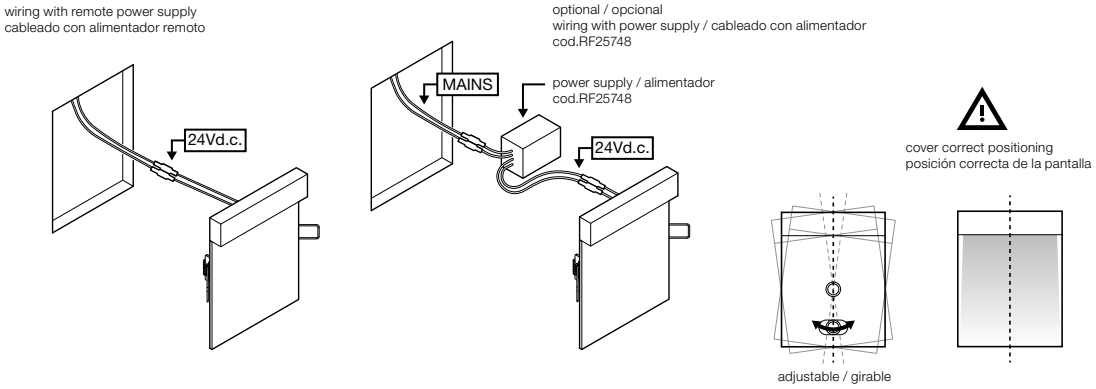



## Installation in Masonry with Box for Installation / Instalación en Mampostería con Encofrado

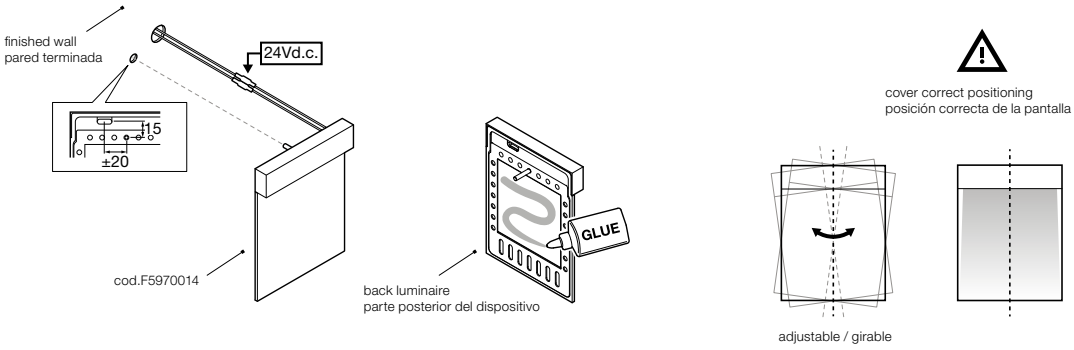



## Installation in Plasterboard Wall / Instalación en Pared de Yeso

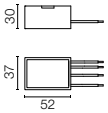
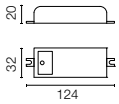
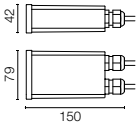
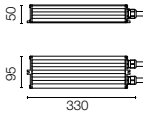
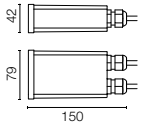
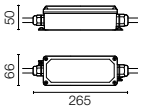
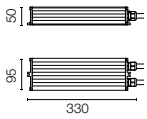



## Installation in Masonry without Box for Installation / Instalación en Mampostería sin Encofrado



## Real Matter: Drivers / Equipos

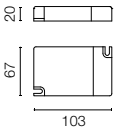
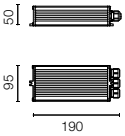
| | | | | |
|---|---|---|---|---|
| Power supply 24Vdc 8W / 110-240V IP65 Class II selv.<br><br>It can be housed in installation box F5962000. | Transformador de 24Vdc 8W / 110-240V IP65 Clase II selv.<br><br>Se puede alojar en el encofrado F5962000. | *RF25748 | |  |
| Power supply for remote installation 24Vdc 10W /110-240V IP20 Class II selv. | Transformador para instalación remota 24Vdc 10W / 110-240V IP20 Clase II selv. | *RF25747 | |  |
| Power supply for remote installation 24Vdc 20W / 220-240V IP67 Class II selv. | Transformador para instalación remota 24Vdc 20W / 220-240V IP67 Clase II selv. | *RF25752 | |  |
| Power supply for remote installation 24Vdc 50W / 120-240V IP67 Class II selv. | Transformador para instalación remota 24Vdc 50W / 120-240V IP67 Clase II selv. | *F990B28A000 | |  |
| Power supply 24Vdc 35W / 120-270V IP67 Class II selv. | Fuente de alimentación 24Vdc 35W / 120-270V IP67 Clase II selv. | *F990B23AZ00 | |  |
| Power supply for remote installation 24Vdc 70W / 220-240V IP67 Class II selv. | Transformador para instalación remota 24Vdc 70W / 220-240V IP67 Clase II selv. | *F990B27A000 | |  |
| Power supply for remote installation 24Vdc 96W / 120-240V IP67 Class II selv. | Transformador para instalación remota 24Vdc 96W / 120-240V IP67 Clase II selv. | *F990B29A000 | |  |

* Maximum number of luminaires per power supply / Número máximo de luminarias por fuente de alimentación.

Maximum number of luminaires per power supply. (220÷240 V). These data must be checked taking into account the specific installation conditions.

Número máximo de luminarias por fuente de alimentación (220÷240 V). Estos datos deben ser comprobados teniendo en cuenta las condiciones específicas de instalación.

| | |
|---|---|
| Acc. RF25748 | 2 |
| Acc. RF25747 | 3 |
| Acc. RF25757 | 3 |
| Acc. RF25752 | 5 |
| Acc. F990B23AZ00 | 9 |
| Acc. F990B28A000 | 13 |
| Acc. F990B27A000 | 19 |
| Acc. F990B29A000 | 27 |

| | | | | |
|---|---|---|---|---|
| Power supply for remote installation 24Vdc 17W / 110-240V (15W@110V) IP20 Class II selv. | Transformador para instalación remota 24Vdc 17W / 110-240V (15W@110V) IP20 Clase II selv. | *RF25750<br>Dimmable 1-10V | |  |
| Power supply for remote installation 24Vdc 20W / 110-240Vdc (15W@110V) IP67 Class II selv. | Transformador para instalación remota 24Vdc 20W / 110-240Vdc (15W@110V) IP67 Clase II selv. | *RF26387.A<br>Dimmable DALI | |  |

* Maximum number of luminaires per power supply / Número máximo de luminarias por fuente de alimentación.

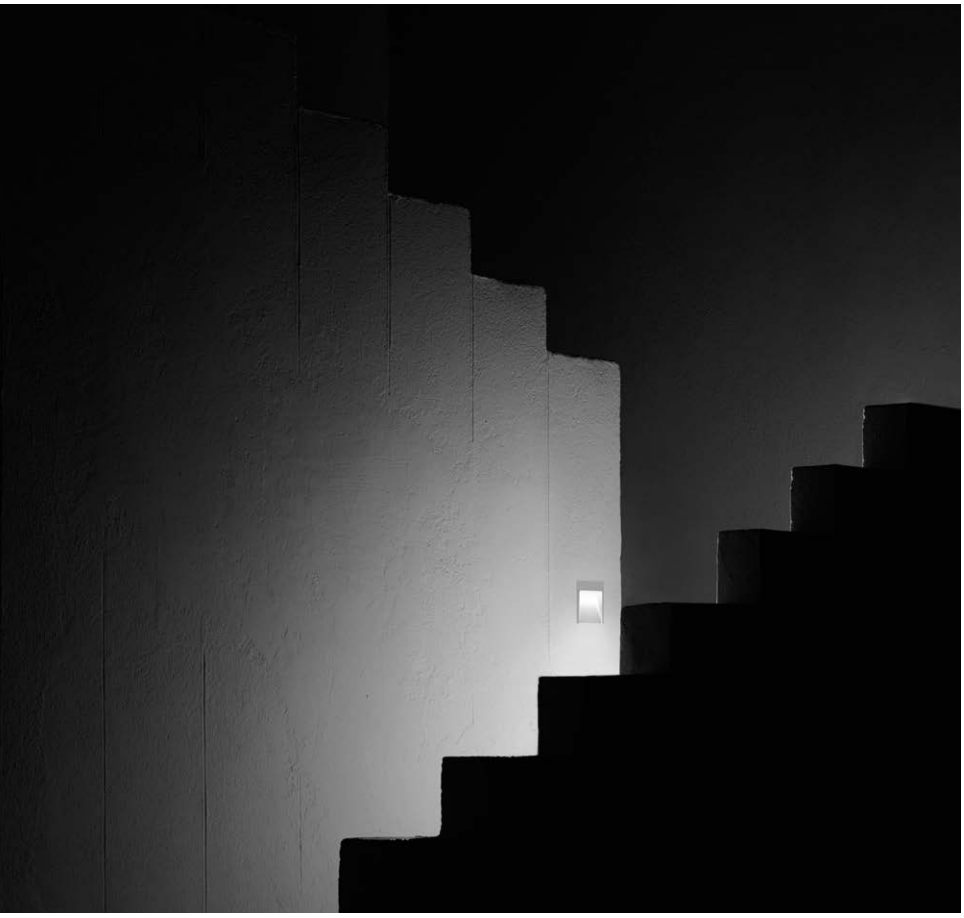
Maximum number of luminaires per power supply. (220÷240 V). These data must be checked taking into account the specific installation conditions.

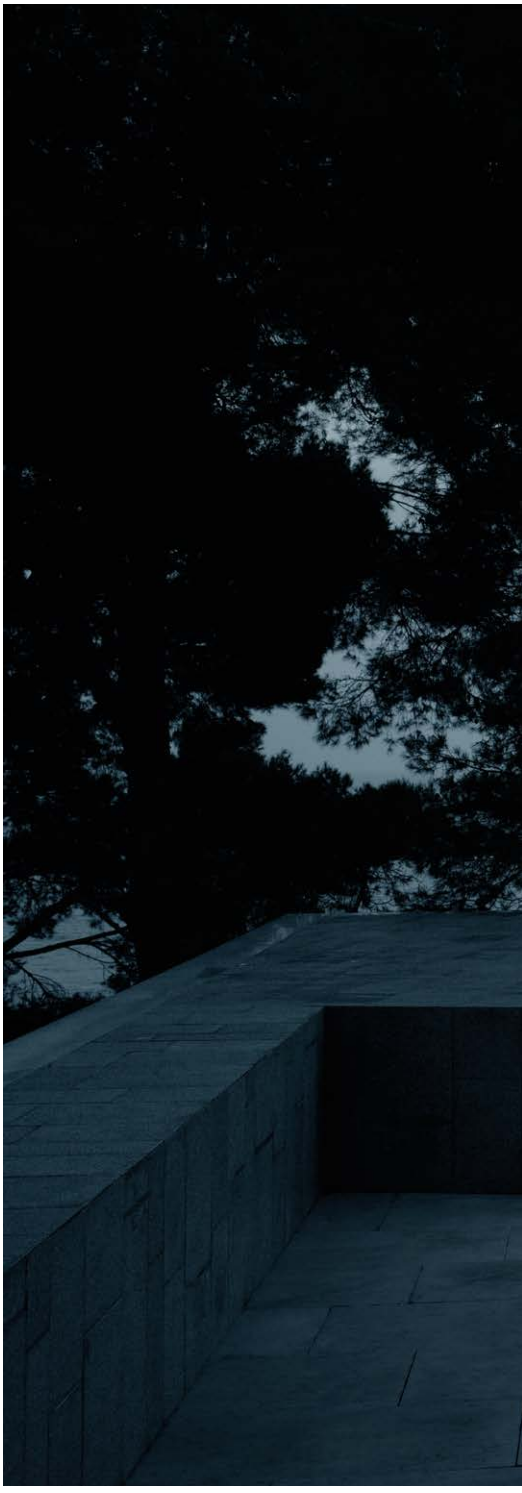
Número máximo de luminarias por fuente de alimentación (220÷240 V). Estos datos deben ser comprobados teniendo en cuenta las condiciones específicas de instalación.

| | |
|---|---|
| Acc. RF25750 | 4 |
| Acc. RF26387.A | 5 |

## My Way

Designed by Piero Lissoni





## Family / Familia

My Way 110 x 100

**Mid - Power Led**
5W
188 lm - 2700K/CRI 80
211 lm - 3000K/CRI 80
221 lm - 4000K/CRI 80

My Way 110 x 200

**Mid - Power Led**
13W
657 lm - 2700K/CRI 80
763 lm - 3000K/CRI 80
801 lm - 4000K/CRI 80

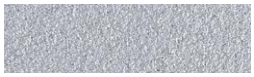
My Way 210 x 200

**Mid - Power Led**
13W
669 lm - 2700K/CRI 80
777 lm - 3000K/CRI 80
817 lm - 4000K/CRI 80

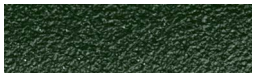
## Colours / Colores



01 White



06 Grey



12 Forest Green

18 Deep Brown

30 Black

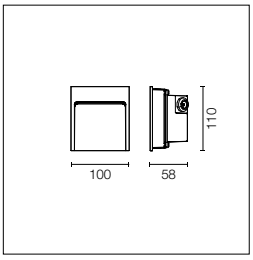
33 Anthracite

## Description / Descripción

Luminaire for outdoor use for built-in installation on the wall with LED light source.
Aluminum die-cast body EN AB-47100 (low copper content).
High-resistance coating: after a sandblasting treatment of all components to make the surface porous and ensure a greater adhesion of the paint, the external coating is applied with a double layer with epoxy powders according to the QUALICOAT standard. The first layer of epoxy powder gives chemical and mechanical resistance, the second finishing layer of polyester powder ensures resistance to UV rays and atmospheric agents.
The painted surfaces are treated with alkaline and acidic washes, then rinsed with demineralized water, subjected to a chemical conversion treatment to protect against oxidation.
Frosted polycarbonate diffuser, UV-stabilised, glued to the head of the product to ensure a watertight seal.

Luminarias para exterior empotrables en pared provistas de fuente de luz LED.
Cuerpo de aluminio fundido EN AB-47100 (con bajo contenido en cobre).
Revestimiento de alta resistencia: después de un tratamiento de arenado de todos los componentes para hacer que la superficie sea porosa y garantizar una mayor adhesión de la pintura, se aplica el revestimiento externo con una doble capa de polvo según la norma QUALICOAT. La primera capa de polvo epoxídico confiere resistencia química y mecánica, la segunda capa de acabado de polvo de poliéster garantiza la resistencia a los rayos UV y a los agentes atmosféricos.
Las superficies pintadas están tratadas con lavados alcalinos y ácidos, enjuagadas con agua desmineralizada y sometidas a un tratamiento de conversión química para protegerlas contra la oxidación.
Difusor de policarbonato satinado, estabilizado contra los rayos UV, adherido al cabezal del producto para garantizar el sellado hermético.

## My Way 110x100




IK 07 · IP 65 · 0,52 Kg · LED INCL

Integrated 110/240V power supply. Supplied with a 120 mm lenght outgoing neoprene cable and IP67 cable connection system.
Dimmable version on request.

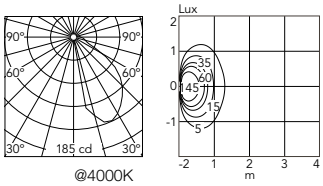
Fuente de alimentación de 110/240V integrada. Dotada de una sección de cable de neopreno que sobresale de 120 mm y de un sistema de conexión con un cable IP67.
Versión con regulación de intensidad bajo pedido.

**Mid-Power Led:** 5W - 421 lm ≠ FIXT 188 lm - 2700K/CRI 80 - 100-240V / 5W - 490 lm ≠ FIXT 211 lm - 3000K/CRI 80 - 100-240V / 5W - 514 lm ≠ FIXT 221 lm - 4000K/CRI 80 - 100-240V

**2700K**
- ○ F4350001
- ● F4350006
- ● F4350012
- ● F4350018
- ● F4350030
- ● F4350033

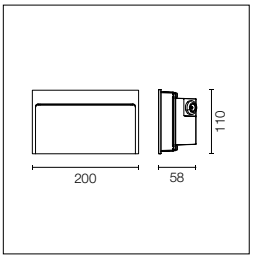
**3000K**
- ○ F4351001
- ● F4351006
- ● F4351012
- ● F4351018
- ● F4351030
- ● F4351033

**4000K**
- ○ F4352001
- ● F4352006
- ● F4352012
- ● F4352018
- ● F4352030
- ● F4352033



@4000K

## My Way 110x200




IK 08 · IP 65 · 0,95 Kg · LED INCL

Integrated 220/240V power supply. Supplied with a 120 mm lenght outgoing neoprene cable and IP67 cable connection system.

Fuente de alimentación de 220/240V integrada. Dotada de una sección de cable de neopreno que sobresale de 120 mm y de un sistema de conexión con un cable IP67.

**Mid-Power Led:** 13W - 1357 lm ≠ FIXT 657 lm - 2700K/CRI 80 - 220-240V / 13W - 1577 lm ≠ FIXT 763 lm - 3000K/CRI 80 - 220-240V / 13W - 1656 lm ≠ FIXT 801 lm - 4000K/CRI 80 - 220-240V

**2700K**

Non Dimmable
- ○ F4353001
- ● F4353006
- ● F4353012
- ● F4353018
- ● F4353030
- ● F4353033

1-10V
- ○ F4353001-310
- ● F4353006-310
- ● F4353012-310
- ● F4353018-310
- ● F4353030-310
- ● F4353033-310

Dali
- ○ F4353001-300
- ● F4353006-300
- ● F4353012-300
- ● F4353018-300
- ● F4353030-300
- ● F4353033-300

**3000K**

Non Dimmable
- ○ F4354001
- ● F4354006
- ● F4354012
- ● F4354018
- ● F4354030
- ● F4354033

1-10V
- ○ F4354001-310
- ● F4354006-310
- ● F4354012-310
- ● F4354018-310
- ● F4354030-310
- ● F4354033-310

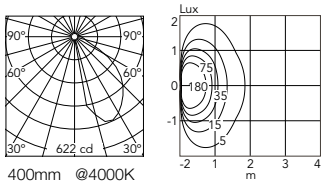
Dali
- ○ F4354001-300
- ● F4354006-300
- ● F4354012-300
- ● F4354018-300
- ● F4354030-300
- ● F4354033-300

**4000K**

Non Dimmable
- ○ F4355001
- ● F4355006
- ● F4355012
- ● F4355018
- ● F4355030
- ● F4355033

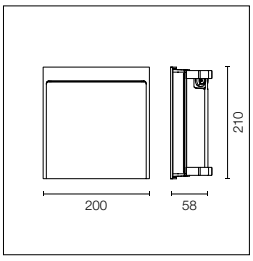
1-10V
- ○ F4355001-310
- ● F4355006-310
- ● F4355012-310
- ● F4355018-310
- ● F4355030-310
- ● F4355033-310

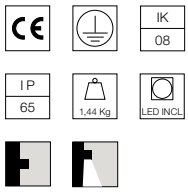
Dali
- ○ F4355001-300
- ● F4355006-300
- ● F4355012-300
- ● F4355018-300
- ● F4355030-300
- ● F4355033-300



400mm @4000K

## My Way 210x200




Integrated 220/240V power supply. Supplied with a double lenght in plastic material for 7.5<ø<9.5 mm section cables.

Fuente de alimentación de 220/240V integrada. Dotada de un prensacables doble de material plástico para secciones de cables de 7,5<ø<9,5 mm.

**Mid-Power Led:** 13W - 1357 lm ≠ FIXT 669 lm - 2700K/CRI 80 - 220-240V / 13W - 1577 lm ≠ FIXT 777 lm - 3000K/CRI 80 - 220-240V / 13W - 1656 lm ≠ FIXT 817 lm - 4000K/CRI 80 - 220-240V

**2700K**

Non Dimmable
- ○ F4356001
- ● F4356006
- ● F4356012
- ● F4356018
- ● F4356030
- ● F4356033

1-10V
- ○ F4356001-310
- ● F4356006-310
- ● F4356012-310
- ● F4356018-310
- ● F4356030-310
- ● F4356033-310

Dali
- ○ F4356001-300
- ● F4356006-300
- ● F4356012-300
- ● F4356018-300
- ● F4356030-300
- ● F4356033-300

**3000K**

Non Dimmable
- ○ F4357001
- ● F4357006
- ● F4357012
- ● F4357018
- ● F4357030
- ● F4357033

1-10V
- ○ F4357001-310
- ● F4357006-310
- ● F4357012-310
- ● F4357018-310
- ● F4357030-310
- ● F4357033-310

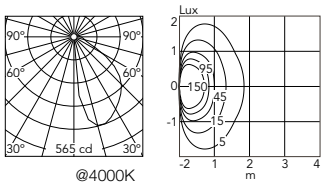
Dali
- ○ F4357001-300
- ● F4357006-300
- ● F4357012-300
- ● F4357018-300
- ● F4357030-300
- ● F4357033-300

**4000K**

Non Dimmable
- ○ F4358001
- ● F4358006
- ● F4358012
- ● F4358018
- ● F4358030
- ● F4358033

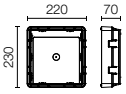
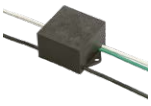
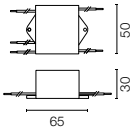
1-10V
- ○ F4358001-310
- ● F4358006-310
- ● F4358012-310
- ● F4358018-310
- ● F4358030-310
- ● F4358033-310

Dali
- ○ F4358001-300
- ● F4358006-300
- ● F4358012-300
- ● F4358018-300
- ● F4358030-300
- ● F4358033-300



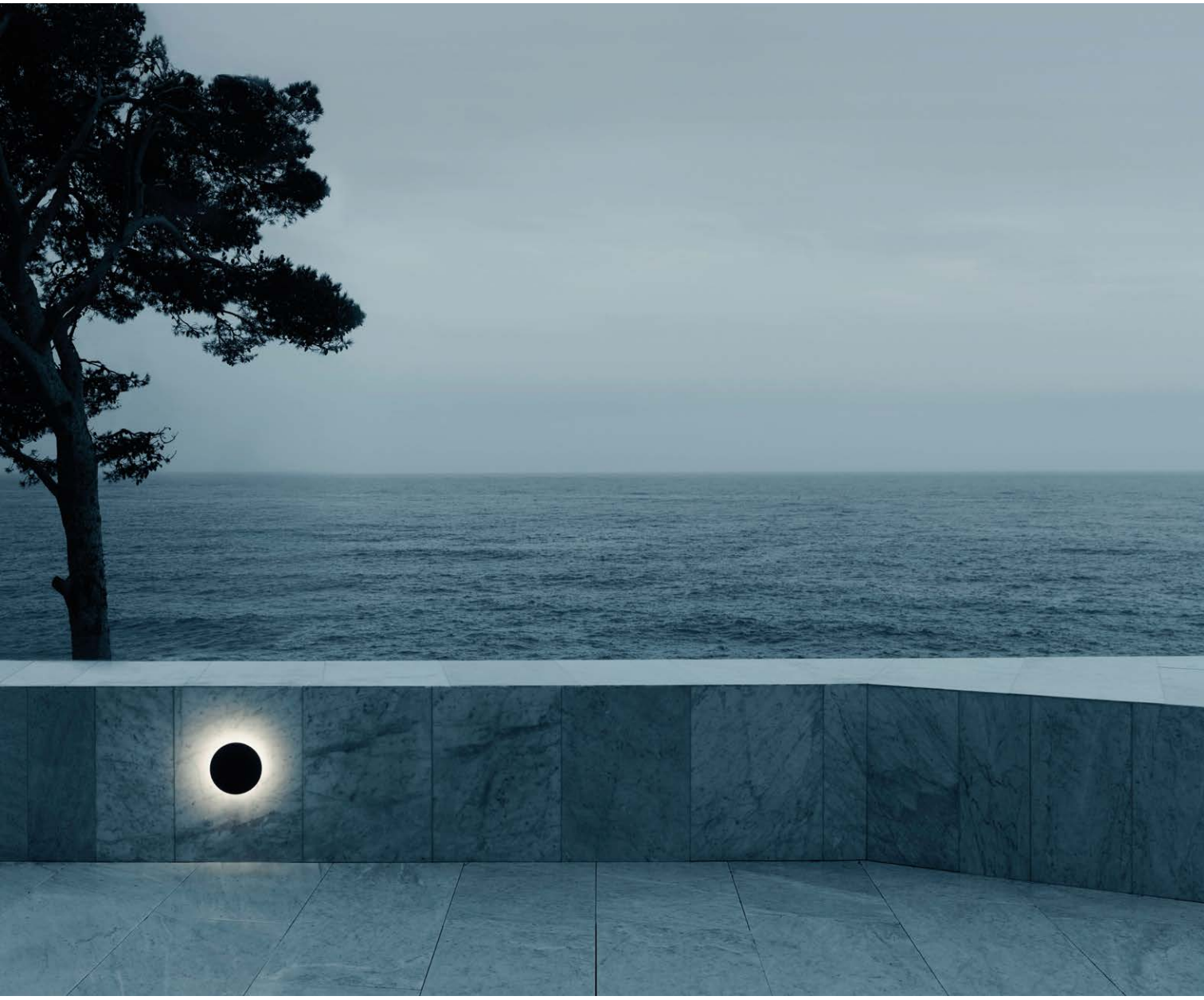
@4000K

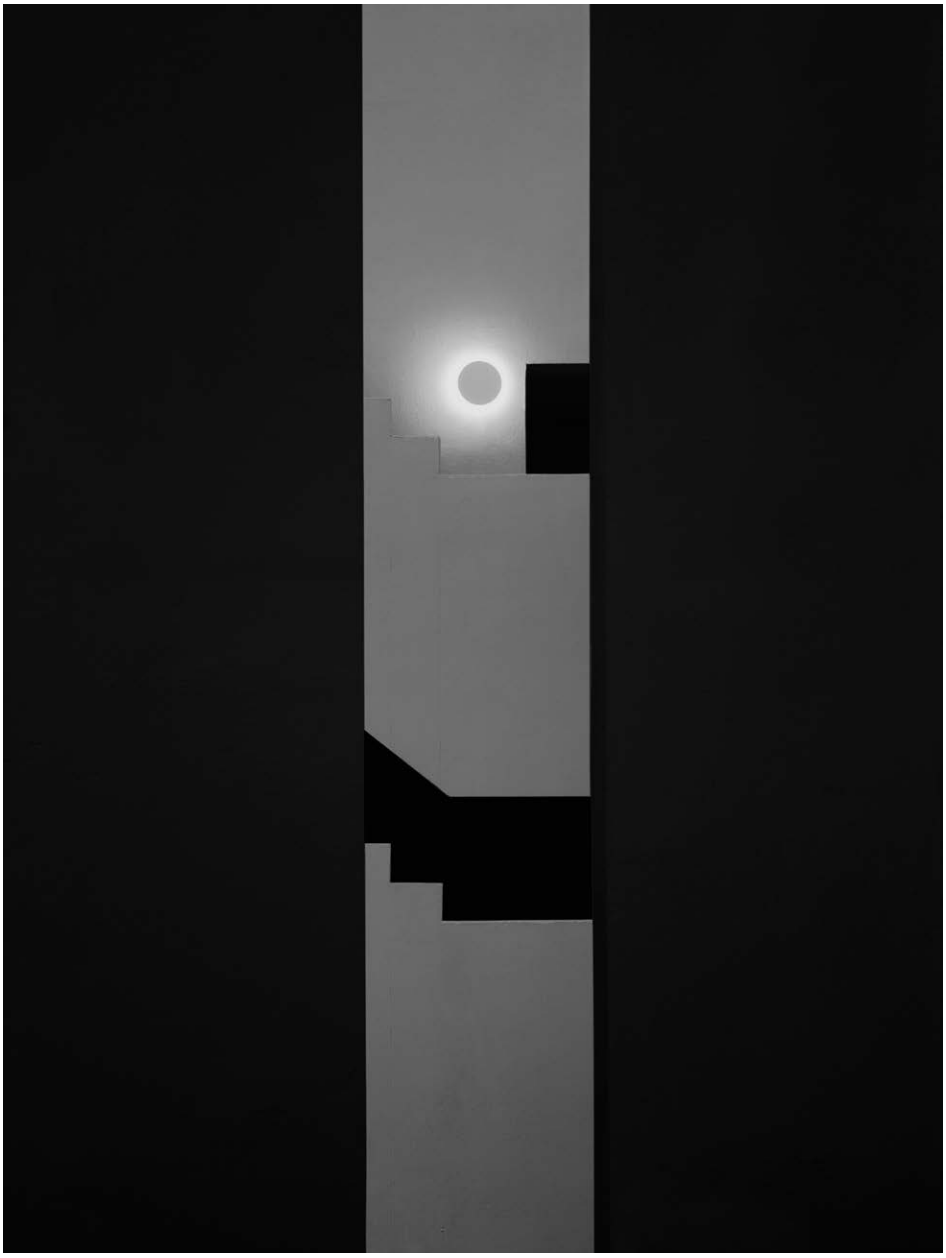
## My Way: Accessories / Accesorios

| | | | | |
|---|---|---|---|---|
| Box for installation. | Encofrado. | My Way 100x110<br>F4301000 | | |
| Box for installation. | Encofrado. | My Way 200x110<br>F4302000 | | |
| Box for installation. | Encofrado. | My Way 200x210<br>F4303000 | |   |
| 2 way terminal block 4 poles IP68 H2O Stop. (ø5,5÷12mm cable). | Bloque de terminales IP68 H2O Stop anticondensación con 2 vías y 4 polos. (Cable ø5,5÷12 mm). | F990C00A000 | | |
| Surge protection device. 275Vac. Maximum discharge current 10KA (8/20us). Maximum operating current 5A. Suitable for series connection. IP66. | Dispositivo de protección contra sobrecargas. 275 Vac. Corriente de descarga máxima 10KA (8/20us). Corriente máxima de funcionamiento 5A. Apta para conexión en serie. IP66. | F990E00A000 |  |   |

# Camouflage

Designed by Piero Lissoni





Camouflage

## Family / Familia

Camouflage 140

**Mid - Power Led**
8W
474 lm - 2700K/CRI 80
551 lm - 3000K/CRI 80
579 lm - 4000K/CRI 80

Camouflage 240

**Mid - Power Led**
12W
773 lm - 2700K/CRI 80
898 lm - 3000K/CRI 80
944 lm - 4000K/CRI 80

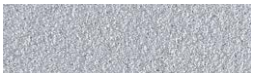
## Colours / Colores



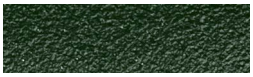
00 Primer



01 White



06 Grey



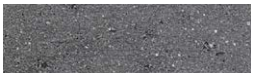
12 Forest Green

18 Deep Brown

30 Black

33 Anthracite

Camouflage Stone



87 Basaltina Stone

89 Concrete

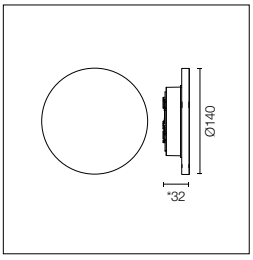
90 Crema d'Orcia Stone

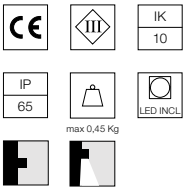
## Description / Descripción

Collection of products for outdoor use, for wall installation with LED light source
Dissipating aluminum body with diffuser in transparent polycarbonate.
The Crema d'Orcia and Basaltina stone finishes are made by fastening high-strength, high-resistance adhesive to a stone plate created by means of mechanical machining from a solid block.
The concrete finishing is made by fastening a poured cement plate reinforced with fiberglass using a single component high strength, high-resistance adhesive. The Primer version is painted after installation with normal water-based colors (tempera, stucco, water-based paints) to ensure maximum uniformity with the architecture.
The aluminum versions are finished with a high-resistance coating: after a sandblasting treatment of all components to make the surface porous and ensure a greater adhesion of the paint, the external coating is applied with a double layer with epoxy powders according to the QUALICOAT standard. The first layer of epoxy powder gives chemical and mechanical resistance, the second finishing layer of polyester powder ensures resistance to UV rays and atmospheric agents.
The painted surfaces are treated with alkaline and acidic washes, then rinsed with demineralized water, subjected to a chemical conversion treatment to protect against oxidation.
Upon commercial and technical evaluation, it is possible to create customized versions with other materials on request.

Colección de luminarias para exterior, para montaje mural provista de fuente de luz LED.
Cuerpo disipador de aluminio con difusor en policarbonato transparente.
Los acabados piedra Crema D'Orcia y Basaltina se realizan fijando mediante un aglutinante de altísima resistencia una placa de piedra fabricada a través de un proceso de mecanizado.
El acabado en hormigón se realiza adheriendo mediante un aglutinante monocomponente de altísima resistencia una placa hecha de cemento colado reforzado con fibra de vidrio. La versión "Primer "se pinta después de la instalación con pinturas normales de base acuosa (témperas, estucos, pinturas de agua) para garantizar la máxima homogeneidad con el entorno arquitectural. Las versiones de aluminio están acabadas con un revestimiento de alta resistencia: después de un tratamiento de arenado de todos los componentes para hacer que la superficie sea porosa y garantizar una mayor adhesión de la pintura, se aplica el revestimiento externo con una doble capa de polvo según la norma QUALICOAT. La primera capa de polvo epoxídico confiere resistencia química y mecánica, la segunda capa de acabado de polvo de poliéster garantiza la resistencia a los rayos UV y a los agentes atmosféricos.
Las superficies pintadas están tratadas con lavados alcalinos y ácidos, enjuagadas con agua desmineralizada y sometidas a un tratamiento de conversión química para protegerlas contra la oxidación.
Previa valoración comercial y técnica, se pueden realizar versiones personalizadas con otros materiales bajo pedido.

## Camouflage 140




24V remote power supply to be ordered separately. Includes power cable of 100 mm. The power supply can be installed remotely (installation box not required) or housed at the back of the luminaire in the optional installation box.

Fuente de alimentación de 24V que debe pedirse por separado. Incluye cable de alimentación de 100 mm. El transformador se puede instalar en vía remota (encofrado no necesario) o se puede alojar posteriormente en el dispositivo mediante el encofrado opcional adecuado.

*Concrete, crema d'orcia, basaltina H = 35 mm.

**Mid-Power Led:** 8W - 786 lm ≠ FIXT 474 lm - 2700K/CRI 80 - 24V / 8W - 913 lm ≠ FIXT 551 lm - 3000K/CRI 80 - 24V / 8W - 960 lm ≠ FIXT 579 lm - 4000K/CRI 80 - 24V

**2700K**

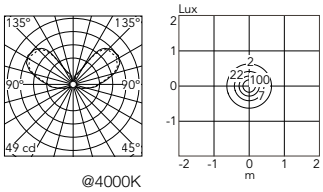
- F1310000
- F1310001
- F1310006
- F1310012
- F1310018
- F1310030
- F1310033
- F1310087
- F1310089
- F1310090

**3000K**

- F1311000
- F1311001
- F1311006
- F1311012
- F1311018
- F1311030
- F1311033
- F1311087
- F1311089
- F1311090

**4000K**

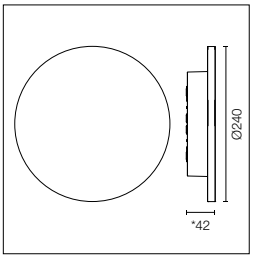
- F1312000
- F1312001
- F1312006
- F1312012
- F1312018
- F1312030
- F1312033
- F1312087
- F1312089
- F1312090

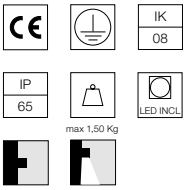



@4000K

Dimmable 1-10V with code RF25750
Dimmable Dali with code RF26387.A

## Camouflage 240




Integrated 220/240V power supply. Supplied with a 1000 mm lenght outgoing neoprene cable.
Version 110V upon request.

Fuente de alimentación de 220/240V integrada. Dotada de una sección de cable de neopreno que sobresale de 1000 mm.
Versión de 110V bajo pedido.

*Concrete, crema d'orcia, basaltina H = 48 mm.

**Mid-Power Led:** 12W - 1281 lm ≠ FIXT 773 lm - 2700K/CRI 80 - 220-240V / 12W - 1488 lm ≠ FIXT 898 lm - 3000K/CRI 80 - 220-240V / 12W - 1563 lm ≠ FIXT 944 lm - 4000K/CRI 80 - 220-240V

**2700K**

Non Dimmable
- F1315000
- F1315001
- F1315006
- F1315012
- F1315018
- F1315030
- F1315033
- F1315087
- F1315089
- F1315090

1-10V
- F1315000-310
- F1315001-310
- F1315006-310
- F1315012-310
- F1315018-310
- F1315030-310
- F1315033-310
- F1315087-310
- F1315089-310
- F1315090-310

Dali
- F1315000-300
- F1315001-300
- F1315006-300
- F1315012-300
- F1315018-300
- F1315030-300
- F1315033-300
- F1315087-300
- F1315089-300
- F1315090-300

**3000K**

Non Dimmable
- F1316000
- F1316001
- F1316006
- F1316012
- F1316018
- F1316030
- F1316033
- F1316087
- F1316089
- F1316090

1-10V
- F1316000-310
- F1316001-310
- F1316006-310
- F1316012-310
- F1316018-310
- F1316030-310
- F1316033-310
- F1316087-310
- F1316089-310
- F1316090-310

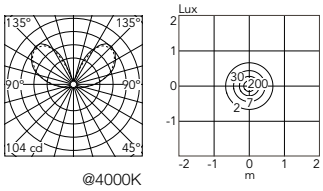
Dali
- F1316000-300
- F1316001-300
- F1316006-300
- F1316012-300
- F1316018-300
- F1316030-300
- F1316033-300
- F1316087-300
- F1316089-300
- F1316090-300

**4000K**

Non Dimmable
- F1317000
- F1317001
- F1317006
- F1317012
- F1317018
- F1317030
- F1317033
- F1317087
- F1317089
- F1317090

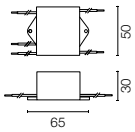
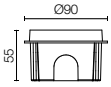
1-10V
- F1317000-310
- F1317001-310
- F1317006-310
- F1317012-310
- F1317018-310
- F1317030-310
- F1317033-310
- F1317087-310
- F1317089-310
- F1317090-310

Dali
- F1317000-300
- F1317001-300
- F1317006-300
- F1317012-300
- F1317018-300
- F1317030-300
- F1317033-300
- F1317087-300
- F1317089-300
- F1317090-300




@4000K

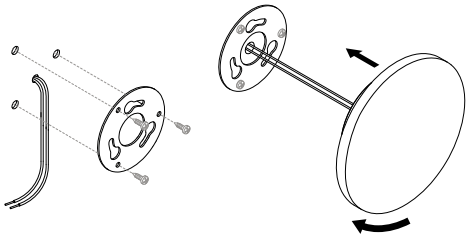
## Camouflage 140: Accessories / Accesorios

| | | | | |
|---|---|---|---|---|
| Surge protection device. 275Vac. Maximum discharge current 10KA (8/20us). Maximum operating current 5A. Suitable for series connection. IP66. | Dispositivo de protección contra sobrecargas. 275 Vac. Corriente de descarga máxima 10KA (8/20us). Corriente máxima de funcionamiento 5A. Apta para conexión en serie. IP66. | F990E00A000 | |   |
| Box for installation. | Encofrado. | F1318000 | |   |

## Installation on Wall / Instalación en Pared

Option 1

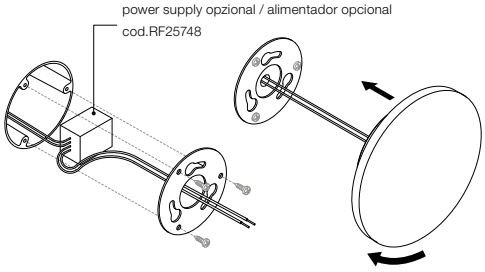
Surface installation / Sin encofrado



remote power supply 24Vdc
alimentador remoto 24Vdc

Option 2

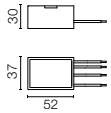
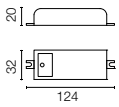
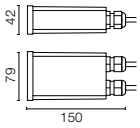
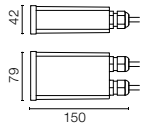
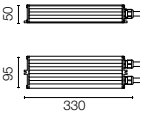
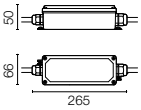
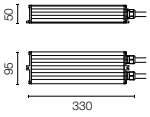
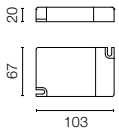
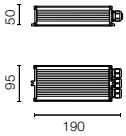
Recessed box installation / Con encofrado




flush with the installation surface
encofrado a ras de la pared

instllation box / encofrado
cod.F1318000

## Camouflage: Drivers / Equipos

| | | | | |
|---|---|---|---|---|
| Power supply for remote installation 24Vdc 8W / 110-240V IP65 Class II selv.<br><br>It can be housed in installation box F1318000. | Transformador para instalación remota 24Vdc 8W / 110-240V IP65 Clase II selv.<br><br>Se puede alojar en el encofrado F1318000. | *RF25748 | |  |
| Power supply for remote installation 24Vdc 10W / 110-240V IP20 Class II selv. | Transformador para instalación remota 24Vdc 10W / 110-240V IP20 Clase II selv. | *RF25747 | |  |
| Power supply for remote installation 24Vdc 20W / 220-240V IP67 Class II selv. | Transformador para instalación remota 24Vdc 20W / 220-240V IP67 Clase II selv. | *RF25752 | |  |
| Power supply 24Vdc 35W / 120-270V IP67 Class II selv. | Fuente de alimentación 24Vdc 35W / 120-270V IP67 Clase II selv. | *F990B23AZ00 | |  |
| Power supply for remote installation 24Vdc 50W / 120-240V IP67 Class II selv. | Transformador para instalación remota 24Vdc 50W / 120-240V IP67 Clase II selv. | *F990B28A000 | |  |
| Power supply for remote installation 24Vdc 70W / 220-240V IP67 Class II selv. | Transformador para instalación remota 24Vdc 70W / 220-240V IP67 Clase II selv. | *F990B27A000 | |  |
| Power supply for remote installation 24Vdc 96W / 120-240V IP67 Class II selv. | Transformador para instalación remota 24Vdc 96W / 120-240V IP67 Clase II selv. | *F990B29A000 | |  |
| Power supply for remote installation 24Vdc 17W / 110-240V (15W@110V) IP20 Class II selv. | Transformador para instalación remota 24Vdc 17W / 110-240V (15W@110V) IP20 Clase II selv. | *RF25750<br>Dimmable 1-10V | |  |
| Power supply for remote installation 24Vdc 20W / 110-240Vdc (15W@110V) IP67 Class II selv. | Transformador para instalación remota 24Vdc 20W / 110-240Vdc (15W@110V) IP67 Clase II selv. | *RF26387.A<br>Dimmable DALI | |  |

* Maximum number of luminaires per power supply / Número máximo de luminarias por fuente de alimentación.

Maximum number of luminaires per power supply. (220÷240 V). These data must be checked taking into account the specific installation conditions.

Número máximo de luminarias por fuente de alimentación (220÷240 V). Estos datos deben ser comprobados teniendo en cuenta las condiciones específicas de instalación.

| | | | |
|---|---|---|---|
| Acc. RF25748 | 1 | Acc. F990B28A000 | 5 |
| Acc. RF25747 | 1 | Acc. F990B27A000 | 7 |
| Acc. RF25757 | 1 | Acc. F990B29A000 | 9 |
| Acc. RF25752 | 2 | Acc. RF25750 | 2 |
| Acc. F990B23AZ00 | 3 | Acc. RF26387.A | 2 |

## Climber

Designed by Piero Lissoni

Climber

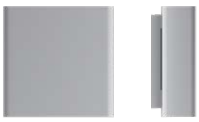
## Family / Familia

### Climber 87

**Down**
**Power Led**
7W
387 lm - 2700K/CRI 80
419 lm - 3000K/CRI 80
451 lm - 4000K/CRI 80
2200K available on request.

**Up&Down**
**Power Led**
12W
2x387 lm - 2700K/CRI 80
2x419 lm - 3000K/CRI 80
2x451 lm - 4000K/CRI 80
2200K available on request.

### Climber 175



**Down**
**Power Led**
12W
721 lm - 2700K/CRI 80
781 lm - 3000K/CRI 80
841 lm - 4000K/CRI 80
2200K available on request.

**Up&Down**
**Power Led**
21W
2x721 lm - 2700K/CRI 80
2x781 lm - 3000K/CRI 80
2x841 lm - 4000K/CRI 80
2200K available on request.

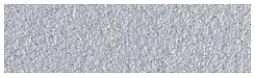
### Climber 275

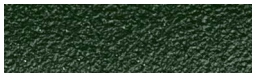
**Down**
**Power Led**
21W
1240 lm - 2700K/CRI 80
1344 lm - 3000K/CRI 80
1447 lm - 4000K/CRI 80
2200K available on request.

**Up&Down**
**Power Led**
40W
2x1240 lm - 2700K/CRI 80
2x1344 lm - 3000K/CRI 80
2x1447 lm - 4000K/CRI 80
2200K available on request.

## Colours / Colores


01 White


06 Grey


12 Forest Green

18 Deep Brown

30 Black

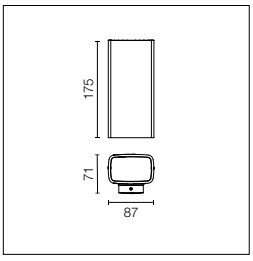
33 Anthracite

## Description / Descripción

Luminaire for outdoor use for installation on the wall with LED light supply.
Bi-emission and mono-emission versions pointing downwards.
Aluminum die-cast body EN AB-47100, low copper content with asymmetrical optics housing: the optics in the lower part is retracted and protected by a shutter to restrict annoying glare and maximize visual comfort. In the bi-emission version, the glass of the closure of the upper optics is flush with the edge of the light in order to prevent water deposits.
The micro-texturized glass diffusers are glued to ensure water resistance and textured to ensure a uniform light beam generated by each single LED, maintaining excellent luminous efficiency.
High-resistance coating: after a sandblasting treatment of all components to make the surface porous and ensure a greater adhesion of the paint, the external coating is applied with a double layer with epoxy powders according to the QUALICOAT standard. The first layer of epoxy powder gives chemical and mechanical resistance, the second finishing layer of polyester powder ensures resistance to UV rays and atmospheric agents.
The painted surfaces are treated with alkaline and acidic washes, then rinsed with demineralized water, subjected to a chemical conversion treatment to protect against oxidation.

Luminaria de exterior para montaje a pared provista de luz LED.
Versiones bi-emisión y mono-emisión hacia abajo.
Cuerpo de aluminio fundido EN AB-47100, con bajo contenido en cobre, con alojamiento óptico asimétrico: la óptica en la parte inferior está retirada y protegida por un elemento apantallador para limitar el deslumbramiento molesto y maximizar el confort visual. En la versión bi-emisión, el vidrio de cierre de la óptica superior está a la altura del borde de la lámpara para evitar que se deposite el agua.
Los difusores de vidrio microtexturizado están adheridos para garantizar la impermeabilidad y texturizados para asegurar la uniformidad del haz luminoso generado por cada LED, manteniendo una eficiencia luminosa óptima.
Revestimiento de alta resistencia: después de un tratamiento con arena de todos los componentes para hacer que la superficie sea porosa y garantizar una mayor adhesión de la pintura, se aplica el revestimiento externo con una doble capa de polvo según la norma QUALICOAT. La primera capa de polvo epoxídico confiere resistencia química y mecánica, la segunda capa de acabado de polvo de poliéster garantiza la resistencia a los rayos UV y a los agentes atmosféricos.
Las superficies lacadas están tratadas con lavados alcalinos y ácidos, enjuagadas con agua desmineralizada y sometidas a un tratamiento de conversión química para protegerlas contra la oxidación.

## Climber 87 Down




IK 06 · IP 65 · 1,17 Kg · LED INCL

Integrated 110/240V power supply. Supplied with an 80 mm lenght outgoing neoprene cable. Upwards, single emission version, available upon request.

2200K available on request.

Fuente de alimentación de 110/240V integrada. Dotada una sección de cable de neopreno que sobresale de 80 mm. Versión mono emisión hacia arriba, disponible bajo pedido.

2200K disponible bajo pedido.

**Power Led:** 7W - 432 lm ≠ *FIXT 387 lm - 2700K/CRI 80 - 110-240V / 7W - 468 lm ≠ *FIXT 419 lm - 3000K/CRI 80 - 110-240V / 7W - 504 lm ≠ *FIXT 451 lm - 4000K/CRI 80 - 110-240V
*FIXT lm = Spot Optic

### Optic Spot

**2700K**

Non Dimmable
- F1110001.A
- F1110006.A
- F1110012.A
- F1110018.A
- F1110030.A
- F1110033.A

1-10V
- F1110001-310.A
- F1110006-310.A
- F1110012-310.A
- F1110018-310.A
- F1110030-310.A
- F1110033-310.A

Dali
- F1110001-300.A
- F1110006-300.A
- F1110012-300.A
- F1110018-300.A
- F1110030-300.A
- F1110033-300.A

**3000K**

Non Dimmable
- F1112001.A
- F1112006.A
- F1112012.A
- F1112018.A
- F1112030.A
- F1112033.A

1-10V
- F1112001-310.A
- F1112006-310.A
- F1112012-310.A
- F1112018-310.A
- F1112030-310.A
- F1112033-310.A

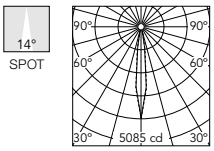
Dali
- F1112001-300.A
- F1112006-300.A
- F1112012-300.A
- F1112018-300.A
- F1112030-300.A
- F1112033-300.A

**4000K**

Non Dimmable
- F1114001.A
- F1114006.A
- F1114012.A
- F1114018.A
- F1114030.A
- F1114033.A

1-10V
- F1114001-310.A
- F1114006-310.A
- F1114012-310.A
- F1114018-310.A
- F1114030-310.A
- F1114033-310.A

Dali
- F1114001-300.A
- F1114006-300.A
- F1114012-300.A
- F1114018-300.A
- F1114030-300.A
- F1114033-300.A




@4000K

| Beam Angle: | | 14° |
|---|---|---|
| h(m) | E(lx) | D(m) |
| 1 | 5085 | 0.23 |
| 2 | 1271 | 0.47 |
| 3 | 565 | 0.70 |
| 4 | 318 | 0.93 |
| 5 | 203 | 1.17 |

### Optic Flood

**2700K**

Non Dimmable
- F1111001.A
- F1111006.A
- F1111012.A
- F1111018.A
- F1111030.A
- F1111033.A

1-10V
- F1111001-310.A
- F1111006-310.A
- F1111012-310.A
- F1111018-310.A
- F1111030-310.A
- F1111033-310.A

Dali
- F1111001-300.A
- F1111006-300.A
- F1111012-300.A
- F1111018-300.A
- F1111030-300.A
- F1111033-300.A

**3000K**

Non Dimmable
- F1113001.A
- F1113006.A
- F1113012.A
- F1113018.A
- F1113030.A
- F1113033.A

1-10V
- F1113001-310.A
- F1113006-310.A
- F1113012-310.A
- F1113018-310.A
- F1113030-310.A
- F1113033-310.A

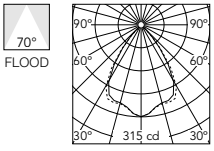
Dali
- F1113001-300.A
- F1113006-300.A
- F1113012-300.A
- F1113018-300.A
- F1113030-300.A
- F1113033-300.A

**4000K**

Non Dimmable
- F1115001.A
- F1115006.A
- F1115012.A
- F1115018.A
- F1115030.A
- F1115033.A

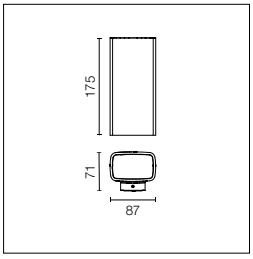
1-10V
- F1115001-310.A
- F1115006-310.A
- F1115012-310.A
- F1115018-310.A
- F1115030-310.A
- F1115033-310.A

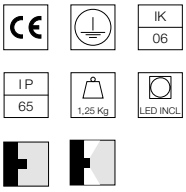
Dali
- F1115001-300.A
- F1115006-300.A
- F1115012-300.A
- F1115018-300.A
- F1115030-300.A
- F1115033-300.A




@4000K

| Beam Angle: | | 70° |
|---|---|---|
| h(m) | E(lx) | D(m) |
| 1 | 315 | 1.42 |
| 2 | 79 | 2.85 |
| 3 | 35 | 4.27 |
| 4 | 20 | 5.70 |
| 5 | 13 | 7.12 |




Integrated 110/240V power supply. Supplied with an 80 mm lenght outgoing neoprene cable.

2200K available on request.

Fuente de alimentación de 110/240V integrada. Dotada una sección de cable de neopreno que sobresale de 80 mm.

2200K disponible bajo pedido.

**Power Led:** 12W - 2x432 lm ≠ *FIXT 2x392 lm - 2700K/CRI 80 - 110-240V / 12W - 2x468 lm ≠ *FIXT 2x425 lm - 3000K/CRI 80 - 110-240V / 12W - 2x504 lm ≠ *FIXT 2x458 lm - 4000K/CRI 80 - 110-240V
*FIXT lm = Spot Optic

## Optic Spot

### 2700K

Non Dimmable
- F1116001.A
- F1116006.A
- F1116012.A
- F1116018.A
- F1116030.A
- F1116033.A

1-10V
- F1116001-310.A
- F1116006-310.A
- F1116012-310.A
- F1116018-310.A
- F1116030-310.A
- F1116033-310.A

Dali
- F1116001-300.A
- F1116006-300.A
- F1116012-300.A
- F1116018-300.A
- F1116030-300.A
- F1116033-300.A

### 3000K

Non Dimmable
- F1118001.A
- F1118006.A
- F1118012.A
- F1118018.A
- F1118030.A
- F1118033.A

1-10V
- F1118001-310.A
- F1118006-310.A
- F1118012-310.A
- F1118018-310.A
- F1118030-310.A
- F1118033-310.A

Dali
- F1118001-300.A
- F1118006-300.A
- F1118012-300.A
- F1118018-300.A
- F1118030-300.A
- F1118033-300.A

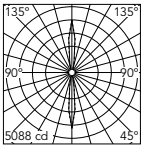
### 4000K

Non Dimmable
- F1120001.A
- F1120006.A
- F1120012.A
- F1120018.A
- F1120030.A
- F1120033.A

1-10V
- F1120001-310.A
- F1120006-310.A
- F1120012-310.A
- F1120018-310.A
- F1120030-310.A
- F1120033-310.A

Dali
- F1120001-300.A
- F1120006-300.A
- F1120012-300.A
- F1120018-300.A
- F1120030-300.A
- F1120033-300.A

SPOT




@4000K

Beam Angle DIR: 14°

| h(m) | E(lx) | D(m) |
|---|---|---|
| 1 | 5088 | 0.23 |
| 2 | 1272 | 0.47 |
| 3 | 565 | 0.70 |
| 4 | 318 | 0.93 |
| 5 | 204 | 1.17 |

## Optic Flood

### 2700K

Non Dimmable
- F1117001.A
- F1117006.A
- F1117012.A
- F1117018.A
- F1117030.A
- F1117033.A

1-10V
- F1117001-310.A
- F1117006-310.A
- F1117012-310.A
- F1117018-310.A
- F1117030-310.A
- F1117033-310.A

Dali
- F1117001-300.A
- F1117006-300.A
- F1117012-300.A
- F1117018-300.A
- F1117030-300.A
- F1117033-300.A

### 3000K

Non Dimmable
- F1119001.A
- F1119006.A
- F1119012.A
- F1119018.A
- F1119030.A
- F1119033.A

1-10V
- F1119001-310.A
- F1119006-310.A
- F1119012-310.A
- F1119018-310.A
- F1119030-310.A
- F1119033-310.A

Dali
- F1119001-300.A
- F1119006-300.A
- F1119012-300.A
- F1119018-300.A
- F1119030-300.A
- F1119033-300.A

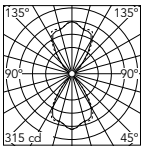
### 4000K

Non Dimmable
- F1121001.A
- F1121006.A
- F1121012.A
- F1121018.A
- F1121030.A
- F1121033.A

1-10V
- F1121001-310.A
- F1121006-310.A
- F1121012-310.A
- F1121018-310.A
- F1121030-310.A
- F1121033-310.A

Dali
- F1121001-300.A
- F1121006-300.A
- F1121012-300.A
- F1121018-300.A
- F1121030-300.A
- F1121033-300.A

FLOOD

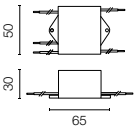
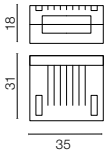
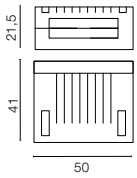
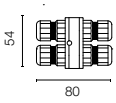
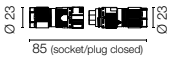
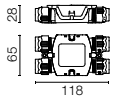



@4000K

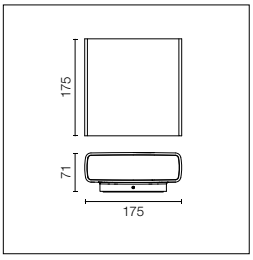
Beam Angle DIR: 70°

| h(m) | E(lx) | D(m) |
|---|---|---|
| 1 | 315 | 1.42 |
| 2 | 79 | 2.85 |
| 3 | 35 | 4.27 |
| 4 | 20 | 5.70 |
| 5 | 13 | 7.12 |

## Climber 87: Accessories / Accesorios

| | | | | |
|---|---|---|---|---|
| Surge protection device. 275Vac. Maximum discharge current 10KA (8/20µs). Maximum operating current 5A. Suitable for series connection. IP66. | Dispositivo de protección contra sobrecargas. 275 Vac. Corriente de descarga máxima 10KA (8/20µs). Corriente máxima de funcionamiento 5A. Apta para conexión en serie. IP66. | F990E00A000 | |   |
| Gelbox IPX8 for splicing connectors. | Caja de gel IPX8 para la conexión eléctrica. | F990C100000 | |   |
| Gelbox IPX8 for splicing connectors. | Caja de gel IPX8 para la conexión eléctrica. | F990C110000 | |   |
| 2 way terminal block 4 poles IP68 H2O Stop. | Bloque de terminales IP68 H2O Stop anticondensación con 2 vías y 4 polos. | F990C00A000 | | |
| 3/4 way terminal block 4 poles IP68 H2O Stop. (ø5,5÷12mm cable). | Bloque de terminales IP68 H2O Stop anticondensación con 3/4 vías y 4 polos. (Cable ø5,5÷12 mm). | F990C010000 | |   |
| Connector kit 5-pole flying socket + EU plug IP68. | Kit de conectores de 5 polos enchufe volante + enchufe UE IP68. | F990C080000 | |   |
| 4 way junction box 5 poles IP68 (6-14 mm cables). | Caja de derivación de 5 polos y 4 vías IP68 (cables de 6-14 mm). | F990C030000 | |   |

## Climber 175 Down




IK 04 | IP 65 | 2,13 Kg | LED INCL

Integrated 110/240V power supply. Supplied with an 80 mm lenght outgoing neoprene cable. Upwards, single emission version, available upon request.

2200K available on request.

Fuente de alimentación de 110/240V integrada. Dotada una sección de cable de neopreno que sobresale de 80 mm. Versión mono emisión hacia arriba, disponible bajo pedido.

2200K disponible bajo pedido.

**Power Led:** 12W - 864 lm ≠ *FIXT 721 lm - 2700K/CRI 80 - 110-240V / 12W - 936 lm ≠ *FIXT 781 lm - 3000K/CRI 80 - 110-240V / 12W - 1008 lm ≠ *FIXT 841 lm - 4000K/CRI 80 - 110-240V
*FIXT lm = Spot Optic

### Optic Spot

**2700K**

Non Dimmable
- F1140001
- F1140006
- F1140012
- F1140018
- F1140030
- F1140033

1-10V
- F1140001-310.A
- F1140006-310.A
- F1140012-310.A
- F1140018-310.A
- F1140030-310.A
- F1140033-310.A

Dali
- F1140001-300.B
- F1140006-300.B
- F1140012-300.B
- F1140018-300.B
- F1140030-300.B
- F1140033-300.B

**3000K**

Non Dimmable
- F1142001
- F1142006
- F1142012
- F1142018
- F1142030
- F1142033

1-10V
- F1142001-310.A
- F1142006-310.A
- F1142012-310.A
- F1142018-310.A
- F1142030-310.A
- F1142033-310.A

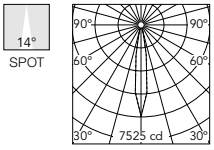
Dali
- F1142001-300.B
- F1142006-300.B
- F1142012-300.B
- F1142018-300.B
- F1142030-300.B
- F1142033-300.B

**4000K**

Non Dimmable
- F1144001
- F1144006
- F1144012
- F1144018
- F1144030
- F1144033

1-10V
- F1144001-310.A
- F1144006-310.A
- F1144012-310.A
- F1144018-310.A
- F1144030-310.A
- F1144033-310.A

Dali
- F1144001-300.B
- F1144006-300.B
- F1144012-300.B
- F1144018-300.B
- F1144030-300.B
- F1144033-300.B




@4000K

| Beam Angle: | 14° | |
|---|---|---|
| h(m) | E(lx) | D(m) |
| 1 | 7525 | 0.28 |
| 2 | 1881 | 0.55 |
| 3 | 836 | 0.83 |
| 4 | 470 | 1.10 |
| 5 | 301 | 1.38 |

### Optic Flood

**2700K**

Non Dimmable
- F1141001
- F1141006
- F1141012
- F1141018
- F1141030
- F1141033

1-10V
- F1141001-310.A
- F1141006-310.A
- F1141012-310.A
- F1141018-310.A
- F1141030-310.A
- F1141033-310.A

Dali
- F1141001-300.B
- F1141006-300.B
- F1141012-300.B
- F1141018-300.B
- F1141030-300.B
- F1141033-300.B

**3000K**

Non Dimmable
- F1143001
- F1143006
- F1143012
- F1143018
- F1143030
- F1143033

1-10V
- F1143001-310.A
- F1143006-310.A
- F1143012-310.A
- F1143018-310.A
- F1143030-310.A
- F1143033-310.A

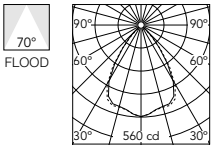
Dali
- F1143001-300.B
- F1143006-300.B
- F1143012-300.B
- F1143018-300.B
- F1143030-300.B
- F1143033-300.B

**4000K**

Non Dimmable
- F1145001
- F1145006
- F1145012
- F1145018
- F1145030
- F1145033

1-10V
- F1145001-310
- F1145006-310
- F1145012-310
- F1145018-310
- F1145030-310
- F1145033-310

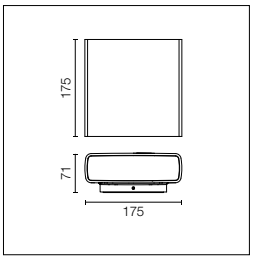
Dali
- F1145001-300.A
- F1145006-300.A
- F1145012-300.A
- F1145018-300.A
- F1145030-300.A
- F1145033-300.A




@4000K

| Beam Angle: | 70° | |
|---|---|---|
| h(m) | E(lx) | D(m) |
| 1 | 560 | 1.41 |
| 2 | 140 | 2.83 |
| 3 | 62 | 4.24 |
| 4 | 35 | 5.65 |
| 5 | 22 | 7.06 |

## Climber 175 Up&Down




IP 65 · 2,20 Kg · IK 04 · LED INCL

Integrated 220/240V power supply. Supplied with an 80 mm lenght outgoing neoprene cable.

2200K available on request.

Fuente de alimentación de 220/240V integrada. Dotada una sección de cable de neopreno que sobresale de 80 mm.

2200K disponible bajo pedido.

**Power Led:** 21W - 2x864 lm ≠ *FIXT 2x739 lm - 2700K/CRI 80 - 220-240V / 21W - 2x936 lm ≠ *FIXT 2x800 lm - 3000K/CRI 80 - 220-240V / 21W - 2x1008 lm ≠ *FIXT 2x862 lm - 4000K/CRI 80 - 220-240V
*FIXT lm = Spot Optic

### Optic Spot

**2700K**

Non Dimmable
- F1146001
- F1146006
- F1146012
- F1146018
- F1146030
- F1146033

1-10V
- F1146001-310.A
- F1146006-310.A
- F1146012-310.A
- F1146018-310.A
- F1146030-310.A
- F1146033-310.A

Dali
- F1146001-300.B
- F1146006-300.B
- F1146012-300.B
- F1146018-300.B
- F1146030-300.B
- F1146033-300.B

**3000K**

Non Dimmable
- F1148001
- F1148006
- F1148012
- F1148018
- F1148030
- F1148033

1-10V
- F1148001-310.A
- F1148006-310.A
- F1148012-310.A
- F1148018-310.A
- F1148030-310.A
- F1148033-310.A

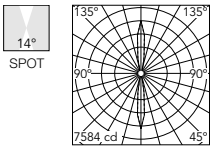
Dali
- F1148001-300.B
- F1148006-300.B
- F1148012-300.B
- F1148018-300.B
- F1148030-300.B
- F1148033-300.B

**4000K**

Non Dimmable
- F1150001
- F1150006
- F1150012
- F1150018
- F1150030
- F1150033

1-10V
- F1150001-310.A
- F1150006-310.A
- F1150012-310.A
- F1150018-310.A
- F1150030-310.A
- F1150033-310.A

Dali
- F1150001-300.B
- F1150006-300.B
- F1150012-300.B
- F1150018-300.B
- F1150030-300.B
- F1150033-300.B




@4000K

Beam Angle DIR: 14°

| h(m) | E(lx) | D(m) |
|---|---|---|
| 1 | 7584 | 0.28 |
| 2 | 1896 | 0.55 |
| 3 | 843 | 0.83 |
| 4 | 474 | 1.10 |
| 5 | 303 | 1.38 |

### Optic Flood

**2700K**

Non Dimmable
- F1147001
- F1147006
- F1147012
- F1147018
- F1147030
- F1147033

1-10V
- F1147001-310.A
- F1147006-310.A
- F1147012-310.A
- F1147018-310.A
- F1147030-310.A
- F1147033-310.A

Dali
- F1147001-300.B
- F1147006-300.B
- F1147012-300.B
- F1147018-300.B
- F1147030-300.B
- F1147033-300.B

**3000K**

Non Dimmable
- F1149001
- F1149006
- F1149012
- F1149018
- F1149030
- F1149033

1-10V
- F1149001-310.A
- F1149006-310.A
- F1149012-310.A
- F1149018-310.A
- F1149030-310.A
- F1149033-310.A

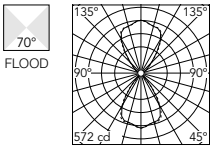
Dali
- F1149001-300.B
- F1149006-300.B
- F1149012-300.B
- F1149018-300.B
- F1149030-300.B
- F1149033-300.B

**4000K**

Non Dimmable
- F1151001
- F1151006
- F1151012
- F1151018
- F1151030
- F1151033

1-10V
- F1151001-310.A
- F1151006-310.A
- F1151012-310.A
- F1151018-310.A
- F1151030-310.A
- F1151033-310.A

Dali
- F1151001-300.B
- F1151006-300.B
- F1151012-300.B
- F1151018-300.B
- F1151030-300.B
- F1151033-300.B




@4000K

Beam Angle DIR: 70°

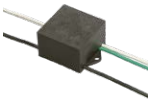
| h(m) | E(lx) | D(m) |
|---|---|---|
| 1 | 572 | 1.41 |
| 2 | 143 | 2.82 |
| 3 | 64 | 4.23 |
| 4 | 36 | 5.64 |
| 5 | 23 | 7.06 |

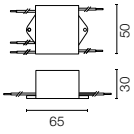
## Climber 175: Accessories / Accesorios

Surge protection device. 275Vac. Maximum discharge current 10KA (8/20µs). Maximum operating current 5A. Suitable for series connection. IP66.

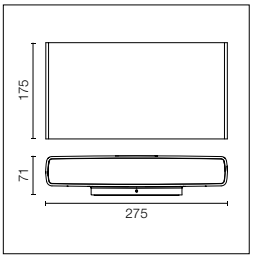
Dispositivo de protección contra sobrecargas. 275 Vac. Corriente de descarga máxima 10KA (8/20µs). Corriente máxima de funcionamiento 5A. Apta para conexión en serie. IP66.

F990E00A000





## Climber 275 Down




IK 05 | IP 65 | 3,11 Kg | LED INCL

Integrated 110/240V power supply. Supplied with an 80 mm lenght outgoing neoprene cable. Upwards, single emission version, available upon request.

2200K available on request.

Fuente de alimentación de 110/240V integrada. Dotada una sección de cable de neopreno que sobresale de 80 mm. Versión mono emisión hacia arriba, disponible bajo pedido.

2200K disponible bajo pedido.

**Power Led:** 21W - 1728 lm ≠ *FIXT 1240 lm - 2700K/CRI 80 - 220-240V / 21W - 1872 lm ≠ *FIXT 1344 lm - 3000K/CRI 80 - 220-240V / 21W - 2016 lm ≠ *FIXT 1447 lm - 4000K/CRI 80 - 220-240V
*FIXT lm = Spot Optic

### Optic Spot

**2700K**

Non Dimmable
- F1170001
- F1170006
- F1170012
- F1170018
- F1170030
- F1170033

1-10V
- F1170001-310.A
- F1170006-310.A
- F1170012-310.A
- F1170018-310.A
- F1170030-310.A
- F1170033-310.A

Dali
- F1170001-300.A
- F1170006-300.A
- F1170012-300.A
- F1170018-300.A
- F1170030-300.A
- F1170033-300.A

**3000K**

Non Dimmable
- F1172001
- F1172006
- F1172012
- F1172018
- F1172030
- F1172033

1-10V
- F1172001-310.A
- F1172006-310.A
- F1172012-310.A
- F1172018-310.A
- F1172030-310.A
- F1172033-310.A

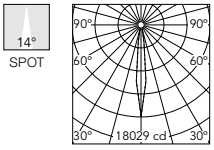
Dali
- F1172001-300.A
- F1172006-300.A
- F1172012-300.A
- F1172018-300.A
- F1172030-300.A
- F1172033-300.A

**4000K**

Non Dimmable
- F1174001
- F1174006
- F1174012
- F1174018
- F1174030
- F1174033

1-10V
- F1174001-310.A
- F1174006-310.A
- F1174012-310.A
- F1174018-310.A
- F1174030-310.A
- F1174033-310.A

Dali
- F1174001-300.A
- F1174006-300.A
- F1174012-300.A
- F1174018-300.A
- F1174030-300.A
- F1174033-300.A




@4000K

| Beam Angle: | 14° | |
|---|---|---|
| h(m) | E(lx) | D(m) |
| 1 | 18029 | 0.22 |
| 2 | 4507 | 0.44 |
| 3 | 2003 | 0.66 |
| 4 | 1127 | 0.87 |
| 5 | 721 | 1.09 |

### Optic Flood

**2700K**

Non Dimmable
- F1171001
- F1171006
- F1171012
- F1171018
- F1171030
- F1171033

1-10V
- F1171001-310.A
- F1171006-310.A
- F1171012-310.A
- F1171018-310.A
- F1171030-310.A
- F1171033-310.A

Dali
- F1171001-300.A
- F1171006-300.A
- F1171012-300.A
- F1171018-300.A
- F1171030-300.A
- F1171033-300.A

**3000K**

Non Dimmable
- F1173001
- F1173006
- F1173012
- F1173018
- F1173030
- F1173033

1-10V
- F1173001-310.A
- F1173006-310.A
- F1173012-310.A
- F1173018-310.A
- F1173030-310.A
- F1173033-310.A

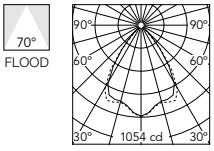
Dali
- F1173001-300.A
- F1173006-300.A
- F1173012-300.A
- F1173018-300.A
- F1173030-300.A
- F1173033-300.A

**4000K**

Non Dimmable
- F1175001
- F1175006
- F1175012
- F1175018
- F1175030
- F1175033

1-10V
- F1175001-310.A
- F1175006-310.A
- F1175012-310.A
- F1175018-310.A
- F1175030-310.A
- F1175033-310.A

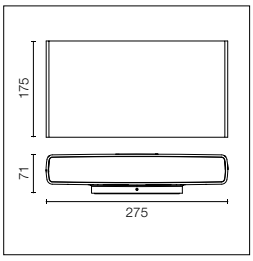
Dali
- F1175001-300.A
- F1175006-300.A
- F1175012-300.A
- F1175018-300.A
- F1175030-300.A
- F1175033-300.A




@4000K

| Beam Angle: | 70° | |
|---|---|---|
| h(m) | E(lx) | D(m) |
| 1 | 1054 | 1.45 |
| 2 | 263 | 2.89 |
| 3 | 117 | 4.34 |
| 4 | 66 | 5.78 |
| 5 | 42 | 7.23 |

## Climber 275 Up&Down




IK 05 · IP 65 · 3,25 Kg · LED INCL

Integrated 220/240V power supply. Supplied with an 80 mm lenght outgoing neoprene cable.

2200K available on request.

Fuente de alimentación de 220/240V integrada. Dotada una sección de cable de neopreno que sobresale de 80 mm.

2200K disponible bajo pedido.

**Power Led:** 40W - 2x1728 lm ≠ *FIXT 2x1264 lm - 2700K/CRI 80 - 220-240V / 40W - 2x1872 lm ≠ *FIXT 2x1370 lm - 3000K/CRI 80 - 220-240V / 40W - 2x2016 lm ≠ *FIXT 2x1475 lm - 4000K/CRI 80 - 220-240V
*FIXT lm = Spot Optic

### Optic Spot

**2700K**

Non Dimmable
- F1176001
- F1176006
- F1176012
- F1176018
- F1176030
- F1176033

1-10V
- F1176001-310.A
- F1176006-310.A
- F1176012-310.A
- F1176018-310.A
- F1176030-310.A
- F1176033-310.A

Dali
- F1176001-300.A
- F1176006-300.A
- F1176012-300.A
- F1176018-300.A
- F1176030-300.A
- F1176033-300.A

**3000K**

Non Dimmable
- F1178001
- F1178006
- F1178012
- F1178018
- F1178030
- F1178033

1-10V
- F1178001-310.A
- F1178006-310.A
- F1178012-310.A
- F1178018-310.A
- F1178030-310.A
- F1178033-310.A

Dali
- F1178001-300.A
- F1178006-300.A
- F1178012-300.A
- F1178018-300.A
- F1178030-300.A
- F1178033-300.A

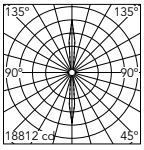
**4000K**

Non Dimmable
- F1180001
- F1180006
- F1180012
- F1180018
- F1180030
- F1180033

1-10V
- F1180001-310.A
- F1180006-310.A
- F1180012-310.A
- F1180018-310.A
- F1180030-310.A
- F1180033-310.A

Dali
- F1180001-300.A
- F1180006-300.A
- F1180012-300.A
- F1180018-300.A
- F1180030-300.A
- F1180033-300.A

14° SPOT




@4000K

Beam Angle DIR: 14°

| h(m) | E(lx) | D(m) |
|---|---|---|
| 1 | 18812 | 0.22 |
| 2 | 4703 | 0.44 |
| 3 | 2090 | 0.66 |
| 4 | 1176 | 0.87 |
| 5 | 752 | 1.09 |

### Optic Flood

**2700K**

Non Dimmable
- F1177001
- F1177006
- F1177012
- F1177018
- F1177030
- F1177033

1-10V
- F1177001-310.A
- F1177006-310.A
- F1177012-310.A
- F1177018-310.A
- F1177030-310.A
- F1177033-310.A

Dali
- F1177001-300.A
- F1177006-300.A
- F1177012-300.A
- F1177018-300.A
- F1177030-300.A
- F1177033-300.A

**3000K**

Non Dimmable
- F1179001
- F1179006
- F1179012
- F1179018
- F1179030
- F1179033

1-10V
- F1179001-310.A
- F1179006-310.A
- F1179012-310.A
- F1179018-310.A
- F1179030-310.A
- F1179033-310.A

Dali
- F1179001-300.A
- F1179006-300.A
- F1179012-300.A
- F1179018-300.A
- F1179030-300.A
- F1179033-300.A

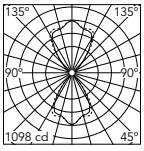
**4000K**

Non Dimmable
- F1181001
- F1181006
- F1181012
- F1181018
- F1181030
- F1181033

1-10V
- F1181001-310.A
- F1181006-310.A
- F1181012-310.A
- F1181018-310.A
- F1181030-310.A
- F1181033-310.A

Dali
- F1181001-300.A
- F1181006-300.A
- F1181012-300.A
- F1181018-300.A
- F1181030-300.A
- F1181033-300.A

70° FLOOD




@4000K

Beam Angle DIR: 70°

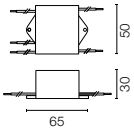
| h(m) | E(lx) | D(m) |
|---|---|---|
| 1 | 1098 | 1.45 |
| 2 | 274 | 2.89 |
| 3 | 122 | 4.34 |
| 4 | 69 | 5.78 |
| 5 | 44 | 7.23 |

## Climber 275: Accessories / Accesorios

Surge protection device. 275Vac. Maximum discharge current 10KA (8/20µs). Maximum operating current 5A. Suitable for series connection. IP66.

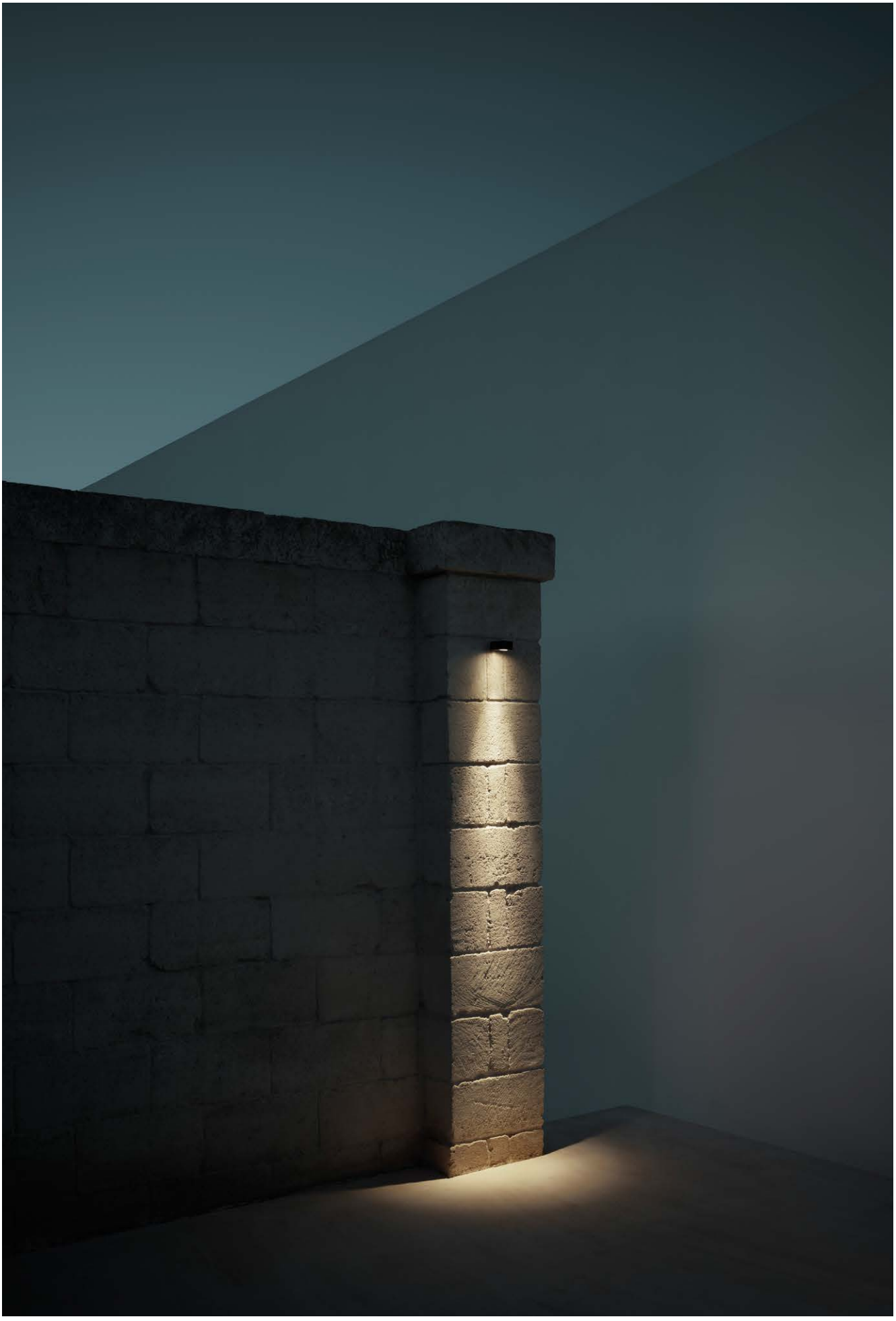
Dispositivo de protección contra sobrecargas. 275 Vac. Corriente de descarga máxima 10KA (8/20µs). Corriente máxima de funcionamiento 5A. Apta para conexión en serie. IP66.

F990E00A000



## Heavy Metal

Heavy Metal Spot



Heavy Metal Wall 1

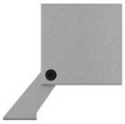
## Family / Familia

### Heavy Metal Spot 1

**Power Led**
up to 3,4W
up to 138 lm - 2700K/CRI 80
up to 149 lm - 3000K/CRI 80
up to 155 lm - 4000K/CRI 80
* Net lumen output
2200K available on request.

**Power Led**
up to 4,5W
up to 246 lm - 2700K/CRI 80
up to 267 lm - 3000K/CRI 80
up to 277 lm - 4000K/CRI 80
* Net lumen output
2200K available on request.

### Heavy Metal Spot 2



**Power Led**
up to 5,9W
up to 364 lm - 2700K/CRI 80
up to 395 lm - 3000K/CRI 80
up to 410 lm - 4000K/CRI 80
* Net lumen output
2200K available on request.

### Heavy Metal Wall 1

**Power Led**
up to 3,4W
up to 138 lm - 2700K/CRI 80
up to 149 lm - 3000K/CRI 80
up to 155 lm - 4000K/CRI 80
* Net lumen output
2200K available on request.

**Power Led**
up to 4,5W
up to 246 lm - 2700K/CRI 80
up to 267 lm - 3000K/CRI 80
up to 277 lm - 4000K/CRI 80
* Net lumen output
2200K available on request.

### Heavy Metal Wall 2
### Mono / Double

**Power Led**
up to 3,4W
up to 138 lm - 2700K/CRI 80
up to 149 lm - 3000K/CRI 80
up to 155 lm - 4000K/CRI 80
* Net lumen output
2200K available on request.

**Power Led**
up to 4,5W
up to 246 lm - 2700K/CRI 80
up to 267 lm - 3000K/CRI 80
up to 277 lm - 4000K/CRI 80
* Net lumen output
2200K available on request.

**Power Led**
up to 6,8W
up to 2x138 lm - 2700K/CRI 80
up to 2x149 lm - 3000K/CRI 80
up to 2x155 lm - 4000K/CRI 80
* Net lumen output
2200K available on request.

**Power Led**
up to 9W
up to 2x246 lm - 2700K/CRI 80
up to 2x267 lm - 3000K/CRI 80
up to 2x277 lm - 4000K/CRI 80
* Net lumen output
2200K available on request.

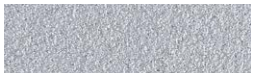
### Heavy Metal Wall 3
### Mono / Double

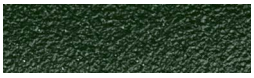
**Mid-Power Led**
up to 2,5W
up to 125 lm - 2700K/CRI 80
up to 134 lm - 3000K/CRI 80
up to 142 lm - 4000K/CRI 80
* Net lumen output
2200K available on request.

**Mid-Power Led**
up to 5W
up to 2x125 lm - 2700K/CRI 80
up to 2x134 lm - 3000K/CRI 80
up to 2x142 lm - 4000K/CRI 80
* Net lumen output
2200K available on request.

## Colours / Colores


01 White


06 Grey


12 Forest Green

18 Deep Brown

30 Black

33 Anthracite

Complete family of luminaries with LED light source, available in different finishes with a double layer coating and a chemical conversion surface treatment to guarantee high resistance to corrosion. The fixing screws are made of AISI 316L stainless steel.

**Heavy Metal Spot**
Ultra-compact, adjustable projector, designed for ground, wall or ceiling installation, and a post to be ordered separately. Available in two sizes (50x50 mm and 70x70 mm) and with different beam angles to meet different lighting requirements. Turned aluminium structure, EN AW 6060 alloy and AISI 316L stainless steel fixing bracket matching the luminaire finishes for a perfect overall look. The fixing bracket allows an orientation of 180° on the vertical axis and an orientation of less than 20° on the horizontal axis in order to direct the light beam according to requirements. Extra clear glass diffuser with silkscreen border, fixed through a robotic gluing system 24V dc luminaire powered by a remote power supply to be ordered separately.

**Heavy Metal Wall 1**
Wall luminaire. Available with monodirectional or bidirectional light emission and with different beam angles to meet different lighting requirements. Turned aluminium body, EN AW 6060 alloy. Stainless steel AISI 316L wall fixing plate. Extra clear glass diffuser with silkscreen border, fixed through a robotic gluing system. 24V dc luminaire powered by a remote power supply to be ordered separately.

**Heavy Metal Wall 2**
Wall luminaire. Available with monodirectional or bidirectional light emission and with different beam angles to meet different lighting requirements. Turned aluminium body, EN AW 6060 alloy. Stainless steel AISI 316L wall fixing plate. Extra clear glass diffuser with silkscreen border, fixed through a robotic gluing system. 24V dc luminaire powered by a remote power supply to be ordered separately.

**Heavy Metal Wall 3**
Wall luminaire. Available with monodirectional or bidirectional light emission and a smooth and diffuse beam angle. Turned aluminium body, EN AW 6060 alloy. Stainless steel AISI 316L wall fixing plate. Frosted glass diffuser with silkscreen border, fixed through a robotic gluing system. 24V dc luminaire powered by a remote power supply to be ordered separately. For easy installation, a 3 modules junction box (model 503), where a single IP 65 power supply can also be placed, is available as an option.

Familia completa de luminarias con fuente LED, disponibles en diferentes acabados con recubrimiento de polvo de doble capa y tratamiento superficial de conversión química para garantizar una elevada resistencia ante la corrosión. Los tornillos de fijación son de acero inoxidable AISI 316L.

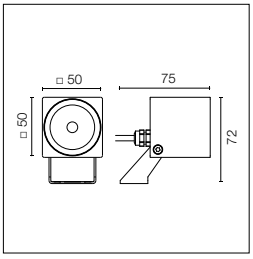
**Heavy Metal Spot**
Proyector ultracompacto y orientable, diseñado para instalar en techo, pared y suelo con poste que se debe pedir por separado. Disponible en dos dimensiones (50x50 mm y 70x70 mm) y con diferentes haces de apertura para cubrir múltiples exigencias luminotécnicas. Cuerpo en aluminio torneado, aleación EN AW 6060, y brida de fijación en acero inoxidable AISI 316L y terminada de acuerdo con los acabados de la luminaria para una perfecta imagen de conjunto. La brida de fijación permite una orientación de 180º sobre el eje vertical y una orientación menor de 20º sobre el eje horizontal, para direccionar el haz luminoso según las exigencias. Difusor en vidrio extraclaro con borde serigrafiado, fijado mediante un sistema de encolado robótico. Luminaria en 24V dc, necesita alimentador remoto que se debe pedir por separado.

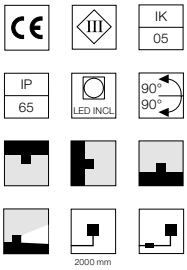
**Heavy Metal Wall 1**
Luminaria de pared. Disponible con emisión luminosa monodireccional o bidireccional y con diferentes haces de apertura para satisfacer diferentes exigencias luminotécnicas. Cuerpo de aluminio torneado, aleación EN AW 6060. Placa de anclaje a pared de acero inoxidable AISI 316L. Difusor de vidrio extraclaro con borde serigrafiado, fijado mediante un sistema de encolado robótico. Luminaria en 24V dc, necesita fuente de alimentación remota, que se debe pedir por separado.

**Heavy Metal Wall 2**
Luminaria de pared. Disponible con emisión luminosa monodireccional o bidireccional y con diferentes haces de apertura para satisfacer diferentes exigencias luminotécnicas. Cuerpo de aluminio torneado, aleación EN AW 6060. Placa de anclaje a pared de acero inoxidable AISI 316L. Difusor de vidrio extraclaro con borde serigrafiado, fijado mediante un sistema de encolado robótico. Luminaria en 24V dc, necesita fuente de alimentación remota que se debe pedir por separado.

**Heavy Metal Wall 3**
Luminaria de pared. Disponible con emisión luminosa monodireccional o bidireccional, con haz de apertura luminosa suave y difusa. Cuerpo de aluminio torneado, aleación EN AW 6060. Placa de anclaje a pared de acero inoxidable AISI 316L. Difusor de vidrio esmerilado con borde serigrafiado, fijado mediante un sistema de encolado robótico. Luminaria en 24V dc, necesita fuente de alimentación remota que se debe pedir por separado. Para facilitar la instalación, está opcionalmente disponible la caja de derivación con 3 módulos, modelo 503, donde se puede colocar también una sola fuente de alimentación IP 65.

## Heavy Metal Spot 1




LED source included. Electric remote 24V dc ON/OFF power supply to be ordered separately. Wall fixing bracket included. The luminaire is equipped with a protruding, neoprene, 250 mm cable and a wiring kit with crimp connectors and adhesive heat-shrink tubing guaranteeing the water tightness of the connection.
Extra clear transparent glass.

2200K available on request.

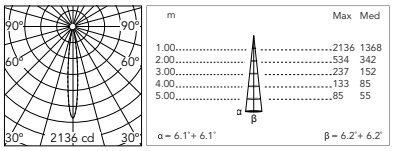
Fuente LED incluida. Fuente de alimentación eléctrica remota 24V dc ON/OFF, que se debe pedir por separado. Brida de fijación a pared incluida. Dotada de una sección de cable de neopreno que sobresale 250 mm y kit con conectores crimpables y fundas termoretráctiles adhesivas que garantizan la estanqueidad de la conexión.
Vidrio transparente extraclaro.

2200K disponible bajo pedido.

### Optic Spot 10º

**Power Led:** 3,4W - 199 lm ≠ OUTPUT 138 lm - 2700K/CRI 80 - 24Vdc / 3,4W - 215 lm ≠ OUTPUT 149 lm - 3000K/CRI 80 - 24Vdc / 3,4W - 224 lm ≠ OUTPUT 155 lm - 4000K/CRI 80 - 24Vdc

| 2700K | 3000K | 4000K |
|---|---|---|
| ○ FA50900501 | ○ FA50900301 | ○ FA50900201 |
| ● FA50900506 | ● FA50900306 | ● FA50900206 |
| ● FA50900512 | ● FA50900312 | ● FA50900212 |
| ● FA50900518 | ● FA50900318 | ● FA50900218 |
| ● FA50900530 | ● FA50900330 | ● FA50900230 |
| ● FA50900533 | ● FA50900333 | ● FA50900233 |

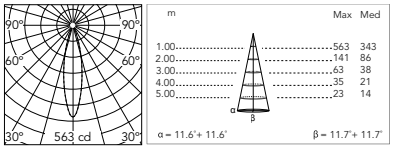



@ 3000K

### Optic Medium 30º

**Power Led:** 3,4W - 199 lm ≠ OUTPUT 121 lm - 2700K/CRI 80 - 24Vdc / 3,4W - 215 lm ≠ OUTPUT 131 lm - 3000K/CRI 80 - 24Vdc / 3,4W - 224 lm ≠ OUTPUT 136 lm - 4000K/CRI 80 - 24Vdc

| 2700K | 3000K | 4000K |
|---|---|---|
| ○ FA50901501 | ○ FA50901301 | ○ FA50901201 |
| ● FA50901506 | ● FA50901306 | ● FA50901206 |
| ● FA50901512 | ● FA50901312 | ● FA50901212 |
| ● FA50901518 | ● FA50901318 | ● FA50901218 |
| ● FA50901530 | ● FA50901330 | ● FA50901230 |
| ● FA50901533 | ● FA50901333 | ● FA50901233 |



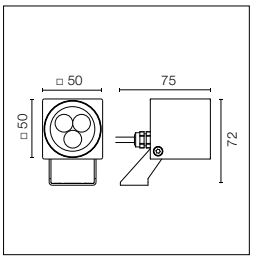

@ 3000K

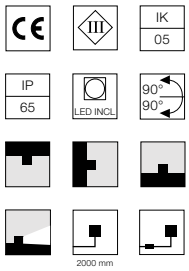
* Maximum number of luminaires per power supply / Número máximo de luminarias por fuente de alimentación.

Maximum number of luminaires per power supply. (220÷240 V). These data must be checked taking into account the specific installation conditions.

Número máximo de luminarias por fuente de alimentación (220÷240 V). Estos datos deben ser comprobados teniendo en cuenta las condiciones específicas de instalación.

| | |
|---|---|
| Acc. RF25754 | 1 |
| Acc. RF25748 | 1 |
| Acc. RF25747 | 2 |
| Acc. RF25757 | 2 |
| Acc. RF25752 | 3 |
| Acc. F990B28A000 | 9 |
| Acc. F990B27A000 | 17 |




LED source included. Electric remote 24V dc ON/OFF power supply to be ordered separately. Wall fixing bracket included. The luminaire is equipped with a protruding, neoprene, 250 mm cable and a wiring kit with crimp connectors and adhesive heat-shrink tubing guaranteeing the water tightness of the connection.
Extra clear transparent glass.

2200K available on request.

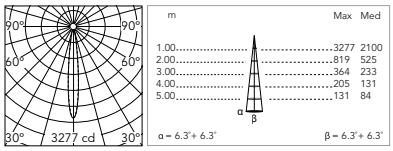
Fuente LED incluida. Fuente de alimentación eléctrica remota 24V dc ON/OFF, que se debe pedir por separado. Brida de fijación a pared incluida. Dotada de una sección de cable de neopreno que sobresale 250 mm y kit con conectores crimpables y fundas termoretráctiles adhesivas que garantizan la estanqueidad de la conexión.
Vidrio transparente extraclaro.

2200K disponible bajo pedido.

### Optic Spot 10º

**Power Led:** 4,5W - 331 lm ≠ OUTPUT 246 lm - 2700K/CRI 80 - 24Vdc / 4,5W - 359 lm ≠ OUTPUT 267 lm - 3000K/CRI 80 - 24Vdc / 4,5W - 373 lm ≠ OUTPUT 277 lm - 4000K/CRI 80 - 24Vdc

| 2700K | 3000K | 4000K |
|---|---|---|
| ○ FA50902501 | ○ FA50902301 | ○ FA50902201 |
| ● FA50902506 | ● FA50902306 | ● FA50902206 |
| ● FA50902512 | ● FA50902312 | ● FA50902212 |
| ● FA50902518 | ● FA50902318 | ● FA50902218 |
| ● FA50902530 | ● FA50902330 | ● FA50902230 |
| ● FA50902533 | ● FA50902333 | ● FA50902233 |

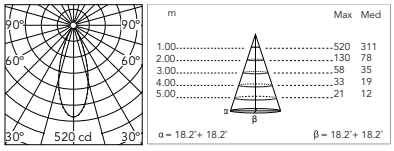



@ 3000K

### Optic Medium 30º

**Power Led:** 4,5W - 331 lm ≠ OUTPUT 218 lm - 2700K/CRI 80 - 24Vdc / 4,5W - 359 lm ≠ OUTPUT 236 lm - 3000K/CRI 80 - 24Vdc / 4,5W - 373 lm ≠ OUTPUT 245 lm - 4000K/CRI 80 - 24Vdc

| 2700K | 3000K | 4000K |
|---|---|---|
| ○ FA50903501 | ○ FA50903301 | ○ FA50903201 |
| ● FA50903506 | ● FA50903306 | ● FA50903206 |
| ● FA50903512 | ● FA50903312 | ● FA50903212 |
| ● FA50903518 | ● FA50903318 | ● FA50903218 |
| ● FA50903530 | ● FA50903330 | ● FA50903230 |
| ● FA50903533 | ● FA50903333 | ● FA50903233 |



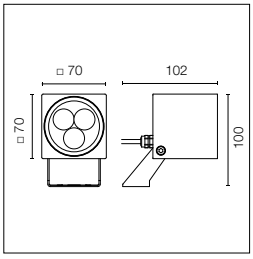

@ 3000K

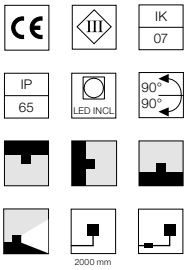
* Maximum number of luminaires per power supply / Número máximo de luminarias por fuente de alimentación.

Maximum number of luminaires per power supply. (220÷240 V). These data must be checked taking into account the specific installation conditions.

Número máximo de luminarias por fuente de alimentación (220÷240 V). Estos datos deben ser comprobados teniendo en cuenta las condiciones específicas de instalación.

| | | | |
|---|---|---|---|
| Acc. RF25754 | 1 | Acc. RF25757 | 2 |
| Acc. RF25748 | 1 | Acc. F990B28A000 | 7 |
| Acc. RF25747 | 2 | Acc. F990B27A000 | 14 |




LED source included. Electric remote 24V dc ON/OFF power supply to be ordered separately. Wall fixing bracket included. The luminaire is equipped with a protruding, neoprene, 250 mm cable and a wiring kit with crimp connectors and adhesive heat-shrink tubing guaranteeing the water tightness of the connection.
Extra clear transparent glass.

2200K available on request.

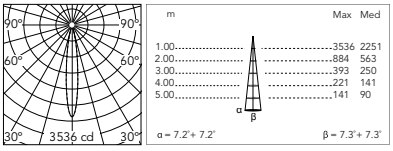
Fuente LED incluida. Fuente de alimentación eléctrica remota 24V dc ON/OFF, que se debe pedir por separado. Brida de fijación a pared incluida. Dotada de una sección de cable de neopreno que sobresale 250 mm y kit con conectores crimpables y fundas termoretráctiles adhesivas que garantizan la estanqueidad de la conexión.
Vidrio transparente extraclaro.

2200K disponible bajo pedido.

### Optic Spot 10º

**Power Led:** 5,9W - 431 lm ≠ OUTPUT 359 lm - 2700K/CRI 80 - 24Vdc / 5,9W - 466 lm ≠ OUTPUT 389 lm - 3000K/CRI 80 - 24Vdc / 5,9W - 484 lm ≠ OUTPUT 404 lm - 4000K/CRI 80 - 24Vdc

| 2700K | 3000K | 4000K |
|---|---|---|
| ○ FA50904501 | ○ FA50904301 | ○ FA50904201 |
| ● FA50904506 | ● FA50904306 | ● FA50904206 |
| ● FA50904512 | ● FA50904312 | ● FA50904212 |
| ● FA50904518 | ● FA50904318 | ● FA50904218 |
| ● FA50904530 | ● FA50904330 | ● FA50904230 |
| ● FA50904533 | ● FA50904333 | ● FA50904233 |

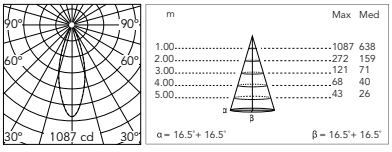



@ 3000K

### Optic Medium 30º

**Power Led:** 5,9W - 431 lm ≠ OUTPUT 364 lm - 2700K/CRI 80 - 24Vdc / 5,9W - 466 lm ≠ OUTPUT 395 lm - 30 00K/CRI 80 - 24Vdc / 5,9W - 484 lm ≠ OUTPUT 410 lm - 4000K/CRI 80 - 24Vdc

| 2700K | 3000K | 4000K |
|---|---|---|
| ○ FA50906501 | ○ FA50906301 | ○ FA50906201 |
| ● FA50906506 | ● FA50906306 | ● FA50906206 |
| ● FA50906512 | ● FA50906312 | ● FA50906212 |
| ● FA50906518 | ● FA50906318 | ● FA50906218 |
| ● FA50906530 | ● FA50906330 | ● FA50906230 |
| ● FA50906533 | ● FA50906333 | ● FA50906233 |

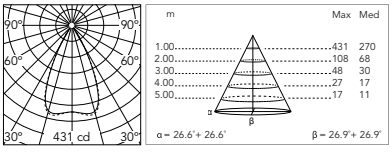



@ 3000K

### Optic Flood 50º

**Power Led:** 5,9W - 431 lm ≠ OUTPUT 329 lm - 2700K/CRI 80 - 24Vdc / 5,9W - 466 lm ≠ OUTPUT 357 lm - 30 00K/CRI 80 - 24Vdc / 5,9W - 484 lm ≠ OUTPUT 371 lm - 4000K/CRI 80 - 24Vdc

| 2700K | 3000K | 4000K |
|---|---|---|
| ○ FA50905501 | ○ FA50905301 | ○ FA50905201 |
| ● FA50905506 | ● FA50905306 | ● FA50905206 |
| ● FA50905512 | ● FA50905312 | ● FA50905212 |
| ● FA50905518 | ● FA50905318 | ● FA50905218 |
| ● FA50905530 | ● FA50905330 | ● FA50905230 |
| ● FA50905533 | ● FA50905333 | ● FA50905233 |




@ 3000K

* Maximum number of luminaires per power supply / Número máximo de luminarias por fuente de alimentación.

Maximum number of luminaires per power supply. (220÷240 V). These data must be checked taking into account the specific installation conditions.

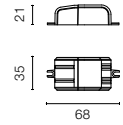
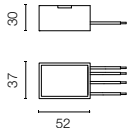
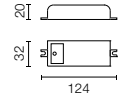
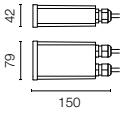
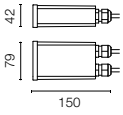
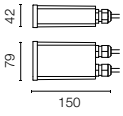
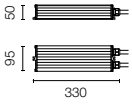
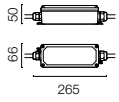
Número máximo de luminarias por fuente de alimentación (220÷240 V). Estos datos deben ser comprobados teniendo en cuenta las condiciones específicas de instalación.

| | |
|---|---|
| Acc. RF25747 | 1 |
| Acc. RF25757 | 1 |
| Acc. RF25752 | 2 |
| Acc. F990B28A000 | 6 |
| Acc. F990B27A000 | 12 |

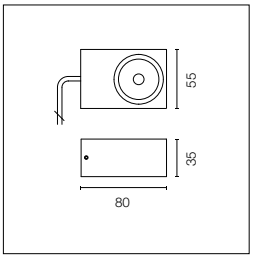
## Heavy Metal Spot: Accessories / Accesorios

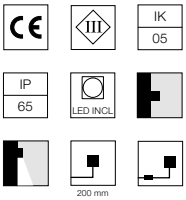
| | | | | |
|---|---|---|---|---|
| Ground spike. | Clavo metálico para instalación en suelo. | FA136 | | |

## Heavy Metal Spot: Drivers / Equipos

| | | | | |
|---|---|---|---|---|
| Power supply dual function Vout 24Vdc: 8W/100÷240V Iout 350ma: 6x1W/100÷240V IP20 Class II Selv Eq. | Fuente de alimentación con función dual Vout 24Vdc: 8W/100÷240V Iout 350ma: 6x1W/100÷240V IP20 Clase II Selv Eq. | *RF25754 | |   |
| Power supply 24V 8W / 110-240V IP65 Class II selv. | Transformador 24V 8W / 110-240V IP65 Clase II selv. | *RF25748 | |   |
| Power supply 24V 10W /110-240V IP20 Class II selv. | Transformador 24V 10W / 110-240V IP20 Clase II selv. | *RF25747 | |   |
| Power supply 24V 10W / 110-240V IP67 Class II selv. | Transformador 24V 10W / 110-240V IP67 Clase II selv. | *RF25757 | |   |
| Power supply for remote installation 24Vdc 20W / 220-240V IP67 Class II selv. | Transformador para instalación remota 24Vdc 20W / 220-240V IP67 Clase II selv. | *RF25752 | |   |
| Power supply 24Vdc 35W / 120-270V IP67 Class II selv. | Fuente de alimentación 24Vdc 35W / 120-270V IP67 Clase II selv. | F990B23AZ00 | |   |
| Power supply 24Vdc 50W / 120-240V IP67 Class II selv. | Transformador 24Vdc 50W / 120-240V IP67 Clase II selv. | *F990B28A000 | |   |
| Power supply 24Vdc 70W / 220-240V IP67 Class II selv. | Transformador 24Vdc 70W / 220-240V IP67 Clase II selv. | *F990B27A000 | |   |

## Heavy Metal Wall 1




LED source included. Electric remote 24V dc ON/OFF power supply to be ordered separately. Wall fixing bracket included. The luminaire is equipped with a protruding, neoprene, 250 mm cable and a wiring kit with crimp connectors and adhesive heat-shrink tubing guaranteeing the water tightness of the connection.
Extra clear transparent glass.

2200K available on request.

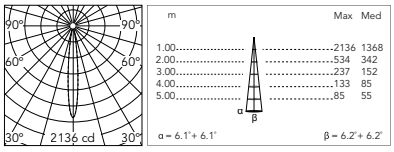
Fuente LED incluida. Fuente de alimentación eléctrica remota 24V dc ON/OFF, que se debe pedir por separado. Brida de fijación a pared incluida. Dotada de una sección de cable de neopreno que sobresale 250 mm y kit con conectores crimpables y fundas termoretráctiles adhesivas que garantizan la estanqueidad de la conexión.
Vidrio transparente extraclaro.

2200K disponible bajo pedido.

### Optic Spot 10º

**Power Led:** 3,4W - 199 lm ≠ OUTPUT 138 lm - 2700K/CRI 80 - 24Vdc / 3,4W - 215 lm ≠ OUTPUT 149 lm - 3000K/CRI 80 - 24Vdc / 3,4W - 224 lm ≠ OUTPUT 155 lm - 4000K/CRI 80 - 24Vdc

| 2700K | 3000K | 4000K |
|---|---|---|
| ○ FA50800501 | ○ FA50800301 | ○ FA50800201 |
| ● FA50800506 | ● FA50800306 | ● FA50800206 |
| ● FA50800512 | ● FA50800312 | ● FA50800212 |
| ● FA50800518 | ● FA50800318 | ● FA50800218 |
| ● FA50800530 | ● FA50800330 | ● FA50800230 |
| ● FA50800533 | ● FA50800333 | ● FA50800233 |

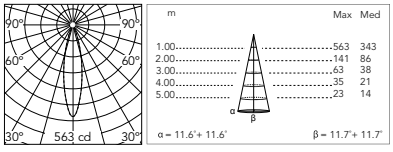



@ 3000K

### Optic Medium 30º

**Power Led:** 3,4W - 199 lm ≠ OUTPUT 121 lm - 2700K/CRI 80 - 24Vdc / 3,4W - 215 lm ≠ OUTPUT 131 lm - 3000K/CRI 80 - 24Vdc / 3,4W - 224 lm ≠ OUTPUT 136 lm - 4000K/CRI 80 - 24Vdc

| 2700K | 3000K | 4000K |
|---|---|---|
| ○ FA50801501 | ○ FA50801301 | ○ FA50801201 |
| ● FA50801506 | ● FA50801306 | ● FA50801206 |
| ● FA50801512 | ● FA50801312 | ● FA50801212 |
| ● FA50801518 | ● FA50801318 | ● FA50801218 |
| ● FA50801530 | ● FA50801330 | ● FA50801230 |
| ● FA50801533 | ● FA50801333 | ● FA50801233 |



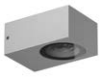

@ 3000K

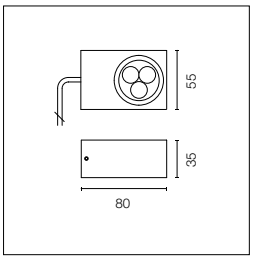
* Maximum number of luminaires per power supply / Número máximo de luminarias por fuente de alimentación.

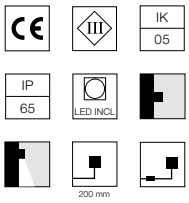
Maximum number of luminaires per power supply. (220÷240 V). These data must be checked taking into account the specific installation conditions.

Número máximo de luminarias por fuente de alimentación (220÷240 V). Estos datos deben ser comprobados teniendo en cuenta las condiciones específicas de instalación.

| | |
|---|---|
| Acc. RF25754 | 1 |
| Acc. RF25748 | 1 |
| Acc. RF25747 | 2 |
| Acc. RF25757 | 2 |
| Acc. RF25752 | 3 |
| Acc. F990B28A000 | 9 |
| Acc. F990B27A000 | 17 |






LED source included. Electric remote 24V dc ON/OFF power supply to be ordered separately. Wall fixing bracket included. The luminaire is equipped with a protruding, neoprene, 250 mm cable and a wiring kit with crimp connectors and adhesive heat-shrink tubing guaranteeing the water tightness of the connection.
Extra clear transparent glass.

2200K available on request.

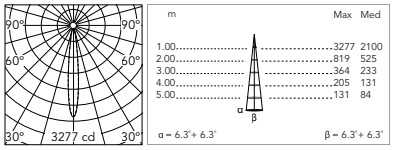
Fuente LED incluida. Fuente de alimentación eléctrica remota 24V dc ON/OFF, que se debe pedir por separado. Brida de fijación a pared incluida. Dotada de una sección de cable de neopreno que sobresale 250 mm y kit con conectores crimpables y fundas termoretráctiles adhesivas que garantizan la estanqueidad de la conexión.
Vidrio transparente extraclaro.

2200K disponible bajo pedido.

### Optic Spot 10º

**Power Led:** 4,5W - 331 lm ≠ OUTPUT 246 lm - 2700K/CRI 80 - 24Vdc / 4,5W - 359 lm ≠ OUTPUT 267 lm - 3000K/CRI 80 - 24Vdc / 4,5W - 373 lm ≠ OUTPUT 277 lm - 4000K/CRI 80 - 24Vdc

| 2700K | 3000K | 4000K |
|---|---|---|
| ○ FA50802501 | ○ FA50802301 | ○ FA50802201 |
| ● FA50802506 | ● FA50802306 | ● FA50802206 |
| ● FA50802512 | ● FA50802312 | ● FA50802212 |
| ● FA50802518 | ● FA50802318 | ● FA50802218 |
| ● FA50802530 | ● FA50802330 | ● FA50802230 |
| ● FA50802533 | ● FA50802333 | ● FA50802233 |

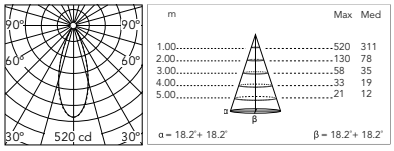



@ 3000K

### Optic Medium 30º

**Power Led:** 4,5W - 331 lm ≠ OUTPUT 218 lm - 2700K/CRI 80 - 24Vdc / 4,5W - 359 lm ≠ OUTPUT 236 lm - 3000K/CRI 80 - 24Vdc / 4,5W - 373 lm ≠ OUTPUT 245 lm - 4000K/CRI 80 - 24Vdc

| 2700K | 3000K | 4000K |
|---|---|---|
| ○ FA50803501 | ○ FA50803301 | ○ FA50803201 |
| ● FA50803506 | ● FA50803306 | ● FA50803206 |
| ● FA50803512 | ● FA50803312 | ● FA50803212 |
| ● FA50803518 | ● FA50803318 | ● FA50803218 |
| ● FA50803530 | ● FA50803330 | ● FA50803230 |
| ● FA50803533 | ● FA50803333 | ● FA50803233 |




@ 3000K

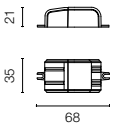
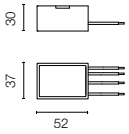
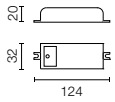
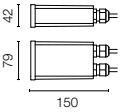
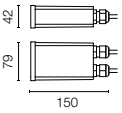
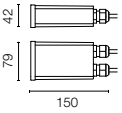
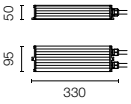
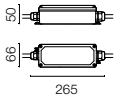
* Maximum number of luminaires per power supply / Número máximo de luminarias por fuente de alimentación.

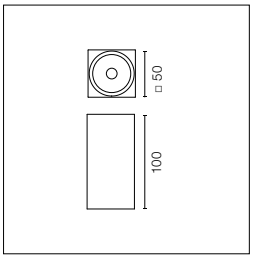
Maximum number of luminaires per power supply. (220÷240 V). These data must be checked taking into account the specific installation conditions.

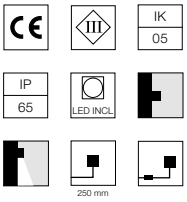
Número máximo de luminarias por fuente de alimentación (220÷240 V). Estos datos deben ser comprobados teniendo en cuenta las condiciones específicas de instalación.

| | | | |
|---|---|---|---|
| Acc. RF25754 | 1 | Acc. RF25757 | 2 |
| Acc. RF25748 | 1 | Acc. F990B28A000 | 7 |
| Acc. RF25747 | 2 | Acc. F990B27A000 | 14 |

## Heavy Metal Wall 1: Drivers / Equipos

| | | | | |
|---|---|---|---|---|
| Power supply dual function Vout 24Vdc: 8W/100÷240V Iout 350ma: 6x1W/100÷240V IP20 Class II Selv Eq. | Fuente de alimentación con función dual Vout 24Vdc: 8W/100÷240V Iout 350ma: 6x1W/100÷240V IP20 Clase II Selv Eq. | *RF25754 | |   |
| Power supply 24V 8W / 110-240V IP65 Class II selv. | Transformador 24V 8W / 110-240V IP65 Clase II selv. | *RF25748 | |   |
| Power supply 24V 10W /110-240V IP20 Class II selv. | Transformador 24V 10W / 110-240V IP20 Clase II selv. | *RF25747 | |   |
| Power supply 24V 10W / 110-240V IP67 Class II selv. | Transformador 24V 10W / 110-240V IP67 Clase II selv. | *RF25757 | |   |
| Power supply for remote installation 24Vdc 20W / 220-240V IP67 Class II selv. | Transformador para instalación remota 24Vdc 20W / 220-240V IP67 Clase II selv. | Heavy Metal Wall 1 2,2W<br>*RF25752 | |   |
| Power supply 24Vdc 35W / 120-270V IP67 Class II selv. | Fuente de alimentación 24Vdc 35W / 120-270V IP67 Clase II selv. | F990B23AZ00 | |   |
| Power supply 24Vdc 50W / 120-240V IP67 Class II selv. | Transformador 24Vdc 50W / 120-240V IP67 Clase II selv. | *F990B28A000 | |   |
| Power supply 24Vdc 70W / 220-240V IP67 Class II selv. | Transformador 24Vdc 70W / 220-240V IP67 Clase II selv. | *F990B27A000 | |   |




LED source included. Electric remote 24V dc ON/OFF power supply to be ordered separately. Wall fixing bracket included. The luminaire is equipped with a protruding, neoprene, 250 mm cable and a wiring kit with crimp connectors and adhesive heat-shrink tubing guaranteeing the water tightness of the connection.
Extra clear transparent glass.

2200K available on request.

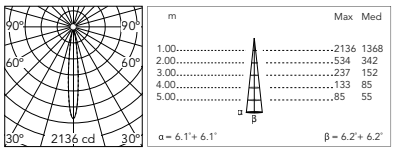
Fuente LED incluida. Fuente de alimentación eléctrica remota 24V dc ON/OFF, que se debe pedir por separado. Brida de fijación a pared incluida. Dotada de una sección de cable de neopreno que sobresale 250 mm y kit con conectores crimpables y fundas termoretráctiles adhesivas que garantizan la estanqueidad de la conexión.
Vidrio transparente extraclaro.

2200K disponible bajo pedido.

**Optic Spot 10º**

**Power Led:** 3,4W - 199 lm ≠ OUTPUT 138 lm - 2700K/CRI 80 - 24Vdc / 3,4W - 215 lm ≠ OUTPUT 149 lm - 3000K/CRI 80 - 24Vdc / 3,4W - 224 lm ≠ OUTPUT 155 lm - 4000K/CRI 80 - 24Vdc

| 2700K | 3000K | 4000K |
|---|---|---|
| ○ FA50700501 | ○ FA50700301 | ○ FA50700201 |
| ● FA50700506 | ● FA50700306 | ● FA50700206 |
| ● FA50700512 | ● FA50700312 | ● FA50700212 |
| ● FA50700518 | ● FA50700318 | ● FA50700218 |
| ● FA50700530 | ● FA50700330 | ● FA50700230 |
| ● FA50700533 | ● FA50700333 | ● FA50700233 |

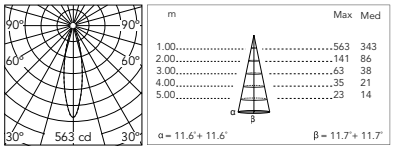



@ 3000K

**Optic Medium 30º**

**Power Led:** 3,4W - 199 lm ≠ OUTPUT 121 lm - 2700K/CRI 80 - 24Vdc / 3,4W - 215 lm ≠ OUTPUT 131 lm - 3000K/CRI 80 - 24Vdc / 3,4W - 224 lm ≠ OUTPUT 136 lm - 4000K/CRI 80 - 24Vdc

| 2700K | 3000K | 4000K |
|---|---|---|
| ○ FA50701501 | ○ FA50701301 | ○ FA50701201 |
| ● FA50701506 | ● FA50701306 | ● FA50701206 |
| ● FA50701512 | ● FA50701312 | ● FA50701212 |
| ● FA50701518 | ● FA50701318 | ● FA50701218 |
| ● FA50701530 | ● FA50701330 | ● FA50701230 |
| ● FA50701533 | ● FA50701333 | ● FA50701233 |




@ 3000K

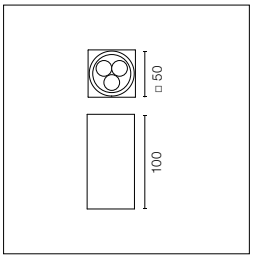
* Maximum number of luminaires per power supply / Número máximo de luminarias por fuente de alimentación.

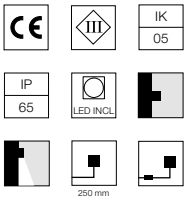
Maximum number of luminaires per power supply. (220÷240 V). These data must be checked taking into account the specific installation conditions.

Número máximo de luminarias por fuente de alimentación (220÷240 V). Estos datos deben ser comprobados teniendo en cuenta las condiciones específicas de instalación.

| | |
|---|---|
| Acc. RF25754 | 1 |
| Acc. RF25748 | 1 |
| Acc. RF25747 | 2 |
| Acc. RF25757 | 2 |
| Acc. RF25752 | 3 |
| Acc. F990B28A000 | 9 |
| Acc. F990B27A000 | 17 |

## Heavy Metal HP Wall 2 Mono




LED source included. Electric remote 24V dc ON/OFF power supply to be ordered separately. Wall fixing bracket included. The luminaire is equipped with a protruding, neoprene, 250 mm cable and a wiring kit with crimp connectors and adhesive heat-shrink tubing guaranteeing the water tightness of the connection.
Extra clear transparent glass.

2200K available on request.

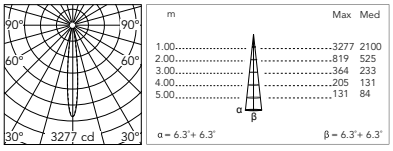
Fuente LED incluida. Fuente de alimentación eléctrica remota 24V dc ON/OFF, que se debe pedir por separado. Brida de fijación a pared incluida. Dotada de una sección de cable de neopreno que sobresale 250 mm y kit con conectores crimpables y fundas termoretráctiles adhesivas que garantizan la estanqueidad de la conexión.
Vidrio transparente extraclaro.

2200K disponible bajo pedido.

### Optic Spot 10º

**Power Led:** 4,5W - 331 lm ≠ OUTPUT 246 lm - 2700K/CRI 80 - 24Vdc / 4,5W - 359 lm ≠ OUTPUT 267 lm - 3000K/CRI 80 - 24Vdc / 4,5W - 373 lm ≠ OUTPUT 277 lm - 4000K/CRI 80 - 24Vdc

| 2700K | 3000K | 4000K |
|---|---|---|
| ○ FA50702501 | ○ FA50702301 | ○ FA50702201 |
| ● FA50702506 | ● FA50702306 | ● FA50702206 |
| ● FA50702512 | ● FA50702312 | ● FA50702212 |
| ● FA50702518 | ● FA50702318 | ● FA50702218 |
| ● FA50702530 | ● FA50702330 | ● FA50702230 |
| ● FA50702533 | ● FA50702333 | ● FA50702233 |

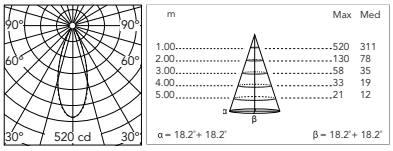



@ 3000K

### Optic Medium 30º

**Power Led:** 4,5W - 331 lm ≠ OUTPUT 218 lm - 2700K/CRI 80 - 24Vdc / 4,5W - 359 lm ≠ OUTPUT 236 lm - 3000K/CRI 80 - 24Vdc / 4,5W - 373 lm ≠ OUTPUT 245 lm - 4000K/CRI 80 - 24Vdc

| 2700K | 3000K | 4000K |
|---|---|---|
| ○ FA50703501 | ○ FA50703301 | ○ FA50703201 |
| ● FA50703506 | ● FA50703306 | ● FA50703206 |
| ● FA50703512 | ● FA50703312 | ● FA50703212 |
| ● FA50703518 | ● FA50703318 | ● FA50703218 |
| ● FA50703530 | ● FA50703330 | ● FA50703230 |
| ● FA50703533 | ● FA50703333 | ● FA50703233 |



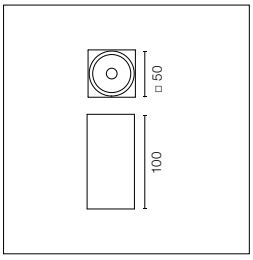

@ 3000K

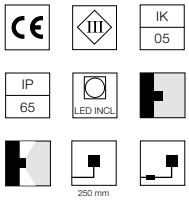
* Maximum number of luminaires per power supply / Número máximo de luminarias por fuente de alimentación.

Maximum number of luminaires per power supply. (220÷240 V). These data must be checked taking into account the specific installation conditions.

Número máximo de luminarias por fuente de alimentación (220÷240 V). Estos datos deben ser comprobados teniendo en cuenta las condiciones específicas de instalación.

| | | | |
|---|---|---|---|
| Acc. RF25754 | 1 | Acc. RF25757 | 2 |
| Acc. RF25748 | 1 | Acc. F990B28A000 | 7 |
| Acc. RF25747 | 2 | Acc. F990B27A000 | 14 |




LED source included. Electric remote 24V dc ON/OFF power supply to be ordered separately. Wall fixing bracket included. The luminaire is equipped with a protruding, neoprene, 250 mm cable and a wiring kit with crimp connectors and adhesive heat-shrink tubing guaranteeing the water tightness of the connection.
Extra clear transparent glass.

2200K available on request.

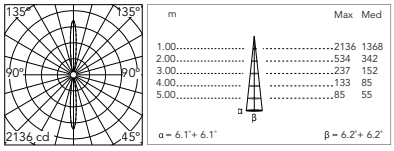
Fuente LED incluida. Fuente de alimentación eléctrica remota 24V dc ON/OFF, que se debe pedir por separado. Brida de fijación a pared incluida. Dotada de una sección de cable de neopreno que sobresale 250 mm y kit con conectores crimpables y fundas termoretráctiles adhesivas que garantizan la estanqueidad de la conexión.
Vidrio transparente extraclaro.

2200K disponible bajo pedido.

**Optic Spot 10º**

**Power Led:** 6,8W - 2x199 lm ≠ OUTPUT 2x138 lm - 2700K/CRI 80 - 24Vdc / 6,8W - 2x215 lm ≠ OUTPUT 2x149 lm - 3000K/CRI 80 - 24Vdc / 6,8W - 2x224 lm ≠ OUTPUT 2x155 lm - 4000K/CRI 80 - 24Vdc

| 2700K | 3000K | 4000K |
|---|---|---|
| ○ FA50710501 | ○ FA50710301 | ○ FA50710201 |
| ● FA50710506 | ● FA50710306 | ● FA50710206 |
| ● FA50710512 | ● FA50710312 | ● FA50710212 |
| ● FA50710518 | ● FA50710318 | ● FA50710218 |
| ● FA50710530 | ● FA50710330 | ● FA50710230 |
| ● FA50710533 | ● FA50710333 | ● FA50710233 |

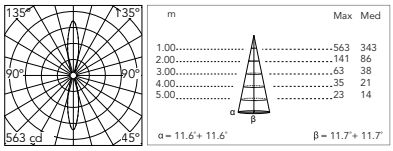



@ 3000K

**Optic Medium 30º**

**Power Led:** 6,8W - 2x199 lm ≠ OUTPUT 2x121 lm - 2700K/CRI 80 - 24Vdc / 6,8W - 2x215 lm ≠ OUTPUT 2x131 lm - 3000K/CRI 80 - 24Vdc / 6,8W - 2x224 lm ≠ OUTPUT 2x136 lm - 4000K/CRI 80 - 24Vdc

| 2700K | 3000K | 4000K |
|---|---|---|
| ○ FA50711501 | ○ FA50711301 | ○ FA50711201 |
| ● FA50711506 | ● FA50711306 | ● FA50711206 |
| ● FA50711512 | ● FA50711312 | ● FA50711212 |
| ● FA50711518 | ● FA50711318 | ● FA50711218 |
| ● FA50711530 | ● FA50711330 | ● FA50711230 |
| ● FA50711533 | ● FA50711333 | ● FA50711233 |




@ 3000K

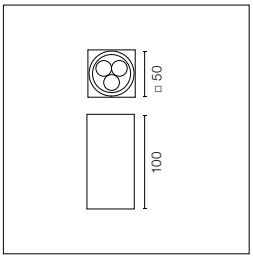
* Maximum number of luminaires per power supply / Número máximo de luminarias por fuente de alimentación.

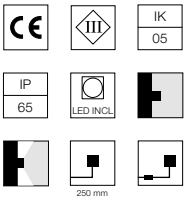
Maximum number of luminaires per power supply. (220÷240 V). These data must be checked taking into account the specific installation conditions.

Número máximo de luminarias por fuente de alimentación (220÷240 V). Estos datos deben ser comprobados teniendo en cuenta las condiciones específicas de instalación.

| | |
|---|---|
| Acc. RF25747 | 1 |
| Acc. RF25757 | 1 |
| Acc. RF25752 | 2 |
| Acc. F990B28A000 | 5 |
| Acc. F990B27A000 | 8 |

## Heavy Metal HP Wall 2 Double




LED source included. Electric remote 24V dc ON/OFF power supply to be ordered separately. Wall fixing bracket included. The luminaire is equipped with a protruding, neoprene, 250 mm cable and a wiring kit with crimp connectors and adhesive heat-shrink tubing guaranteeing the water tightness of the connection.
Extra clear transparent glass.

2200K available on request.

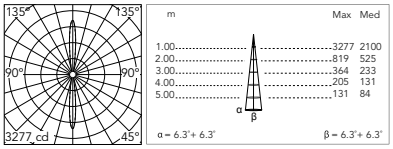
Fuente LED incluida. Fuente de alimentación eléctrica remota 24V dc ON/OFF, que se debe pedir por separado. Brida de fijación a pared incluida. Dotada de una sección de cable de neopreno que sobresale 250 mm y kit con conectores crimpables y fundas termoretráctiles adhesivas que garantizan la estanqueidad de la conexión.
Vidrio transparente extraclaro.

2200K disponible bajo pedido.

### Optic Spot 10º

**Power Led:** 9W - 2x331 lm ≠ OUTPUT 2x246 lm - 2700K/CRI 80 - 24Vdc / 9W - 2x359 lm ≠ OUTPUT 2x267 lm - 3000K/CRI 80 - 24Vdc / 9W - 2x373 lm ≠ OUTPUT 2x277 lm - 4000K/CRI 80 - 24Vdc

| 2700K | 3000K | 4000K |
|---|---|---|
| ○ FA50712501 | ○ FA50712301 | ○ FA50712201 |
| ● FA50712506 | ● FA50712306 | ● FA50712206 |
| ● FA50712512 | ● FA50712312 | ● FA50712212 |
| ● FA50712518 | ● FA50712318 | ● FA50712218 |
| ● FA50712530 | ● FA50712330 | ● FA50712230 |
| ● FA50712533 | ● FA50712333 | ● FA50712233 |

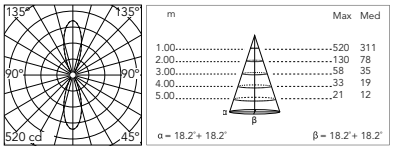



@ 3000K

### Optic Medium 30º

**Power Led:** 9W - 2x331 lm ≠ OUTPUT 2x218 lm - 2700K/CRI 80 - 24Vdc / 9W - 2x359 lm ≠ OUTPUT 2x236 lm - 3000K/CRI 80 - 24Vdc / 9W - 2x373 lm ≠ OUTPUT 2x245 lm - 4000K/CRI 80 - 24Vdc

| 2700K | 3000K | 4000K |
|---|---|---|
| ○ FA50713501 | ○ FA50713301 | ○ FA50713201 |
| ● FA50713506 | ● FA50713306 | ● FA50713206 |
| ● FA50713512 | ● FA50713312 | ● FA50713212 |
| ● FA50713518 | ● FA50713318 | ● FA50713218 |
| ● FA50713530 | ● FA50713330 | ● FA50713230 |
| ● FA50713533 | ● FA50713333 | ● FA50713233 |




@ 3000K

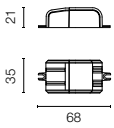
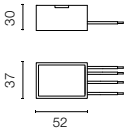
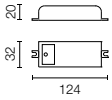
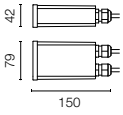
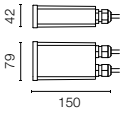
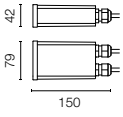
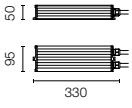
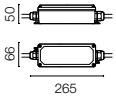
* Maximum number of luminaires per power supply / Número máximo de luminarias por fuente de alimentación.

Maximum number of luminaires per power supply. (220÷240 V). These data must be checked taking into account the specific installation conditions.

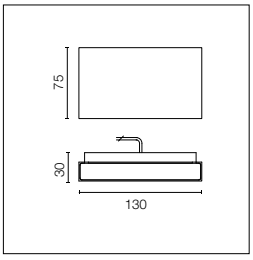
Número máximo de luminarias por fuente de alimentación (220÷240 V). Estos datos deben ser comprobados teniendo en cuenta las condiciones específicas de instalación.

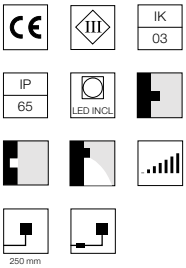
| | |
|---|---|
| Acc. RF25747 | 1 |
| Acc. RF25757 | 1 |
| Acc. F990B28A000 | 3 |
| Acc. F990B27A000 | 7 |

## Heavy Metal Wall 2: Drivers / Equipos

| | | | | |
|---|---|---|---|---|
| Power supply dual function Vout 24Vdc: 8W/100÷240V Iout 350ma: 6x1W/100÷240V IP20 Class II Selv Eq. | Fuente de alimentación con función dual Vout 24Vdc: 8W/100÷240V Iout 350ma: 6x1W/100÷240V IP20 Clase II Selv Eq. | Heavy Metal Wall 2 Mono<br>*RF25754 | |  |
| Power supply 24V 8W / 110-240V IP65 Class II selv. | Transformador 24V 8W / 110-240V IP65 Clase II selv. | Heavy Metal Wall 2 Double<br>*RF25748 | |  |
| Power supply 24V 10W /110-240V IP20 Class II selv. | Transformador 24V 10W / 110-240V IP20 Clase II selv. | *RF25747 | |  |
| Power supply 24V 10W / 110-240V IP67 Class II selv. | Transformador 24V 10W / 110-240V IP67 Clase II selv. | *RF25757 | |  |
| Power supply for remote installation 24Vdc 20W / 220-240V IP67 Class II selv. | Transformador para instalación remota 24Vdc 20W / 220-240V IP67 Clase II selv. | *RF25752 | |  |
| Power supply 24Vdc 35W / 120-270V IP67 Class II selv. | Fuente de alimentación 24Vdc 35W / 120-270V IP67 Clase II selv. | F990B23AZ00 | |  |
| Power supply 24Vdc 50W / 120-240V IP67 Class II selv. | Transformador 24Vdc 50W / 120-240V IP67 Clase II selv. | *F990B28A000 | |  |
| Power supply 24Vdc 70W / 220-240V IP67 Class II selv. | Transformador 24Vdc 70W / 220-240V IP67 Clase II selv. | *F990B27A000 | |  |

## Heavy Metal Wall 3 Mono




LED source included. Electric remote 24V dc ON/OFF power supply to be ordered separately. Wall fixing bracket included. The luminaire is equipped with a protruding, neoprene, 250 mm cable and a wiring kit with crimp connectors and adhesive heat-shrink tubing guaranteeing the water tightness of the connection.
Extra clear transparent glass.

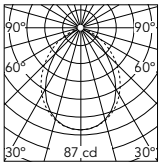
2200K available on request.

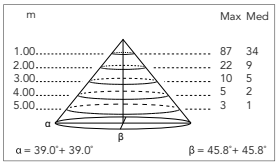
Fuente LED incluida. Fuente de alimentación eléctrica remota 24V dc ON/OFF, que se debe pedir por separado. Brida de fijación a pared incluida. Dotada de una sección de cable de neopreno que sobresale 250 mm y kit con conectores crimpables y fundas termoretráctiles adhesivas que garantizan la estanqueidad de la conexión.
Vidrio transparente extraclaro.

2200K disponible bajo pedido.

**Mid-Power Led:** 2,5W - 246 lm ≠ OUTPUT 162 lm - 2700K/CRI 80 - 24Vdc / 2,5W - 265 lm ≠ OUTPUT 168 lm - 3000K/CRI 80 - 24Vdc / 2,5W - 278 lm ≠ OUTPUT 174 lm - 4000K/CRI 80 - 24Vdc

| 2700K | 3000K | 4000K |
|---|---|---|
| FA51200501 | FA51200301 | FA51200201 |
| FA51200506 | FA51200306 | FA51200206 |
| FA51200512 | FA51200312 | FA51200212 |
| FA51200518 | FA51200318 | FA51200218 |
| FA51200530 | FA51200330 | FA51200230 |
| FA51200533 | FA51200333 | FA51200233 |




@ 3000K

* Maximum number of luminaires per power supply / Número máximo de luminarias por fuente de alimentación.

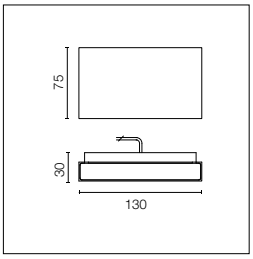
Maximum number of luminaires per power supply. (220÷240 V). These data must be checked taking into account the specific installation conditions.

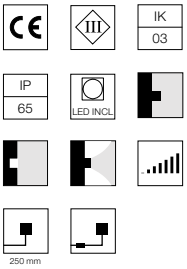
Número máximo de luminarias por fuente de alimentación (220÷240 V). Estos datos deben ser comprobados teniendo en cuenta las condiciones específicas de instalación.

| | |
|---|---|
| Acc. RF25754 | 3 |
| Acc. RF25748 | 3 |
| Acc. RF25747 | 4 |
| Acc. RF25757 | 4 |
| Acc. RF25750 | 6 |
| Acc. F990B21A000 | 6 |

| | |
|---|---|
| Acc. RF26387.A | 6 |
| Acc. RF25752 | 8 |
| Acc. F990B28A000 | 20 |
| Acc. F990B27A000 | 25 |
| Acc. F990B29A000 | 35 |

## Heavy Metal Wall 3 Double




LED source included. Electric remote 24V dc ON/OFF power supply to be ordered separately. Wall fixing bracket included. The luminaire is equipped with a protruding, neoprene, 250 mm cable and a wiring kit with crimp connectors and adhesive heat-shrink tubing guaranteeing the water tightness of the connection.
Extra clear transparent glass.

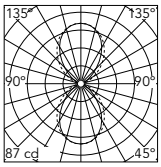
2200K available on request.

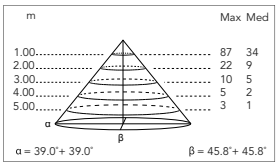
Fuente LED incluida. Fuente de alimentación eléctrica remota 24V dc ON/OFF, que se debe pedir por separado. Brida de fijación a pared incluida. Dotada de una sección de cable de neopreno que sobresale 250 mm y kit con conectores crimpables y fundas termoretráctiles adhesivas que garantizan la estanqueidad de la conexión.
Vidrio transparente extraclaro.

2200K disponible bajo pedido.

**Mid-Power Led:** 5W - 2x246 lm ≠ OUTPUT 2x162 lm - 2700K/CRI 80 - 24Vdc / 5W - 2x265 lm ≠ OUTPUT 2x168 lm - 3000K/CRI 80 - 24Vdc / 5W - 2x278 lm ≠ OUTPUT 2x174 lm - 4000K/CRI 80 - 24Vdc

| 2700K | 3000K | 4000K |
|---|---|---|
| FA51201501 | FA51201301 | FA51201201 |
| FA51201506 | FA51201306 | FA51201206 |
| FA51201512 | FA51201312 | FA51201212 |
| FA51201518 | FA51201318 | FA51201218 |
| FA51201530 | FA51201330 | FA51201230 |
| FA51201533 | FA51201333 | FA51201233 |




@ 3000K

* Maximum number of luminaires per power supply / Número máximo de luminarias por fuente de alimentación.

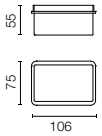
Maximum number of luminaires per power supply. (220÷240 V). These data must be checked taking into account the specific installation conditions.

Número máximo de luminarias por fuente de alimentación (220÷240 V). Estos datos deben ser comprobados teniendo en cuenta las condiciones específicas de instalación.

| | |
|---|---|
| Acc. RF25754 | 1 |
| Acc. RF25748 | 1 |
| Acc. RF25747 | 2 |
| Acc. RF25757 | 2 |
| Acc. RF25750 | 3 |
| Acc. F990B21A000 | 3 |

| | |
|---|---|
| Acc. RF26387.A | 3 |
| Acc. RF25752 | 4 |
| Acc. F990B28A000 | 10 |
| Acc. F990B27A000 | 13 |
| Acc. F990B29A000 | 17 |

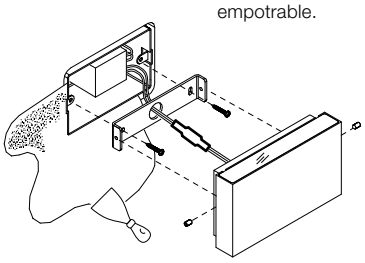
## Heavy Metal Wall 3: Accessories / Accesorios

| | | | | |
|---|---|---|---|---|
| Recessed 3-module junction box (model 503) 106 x 75 H 55 mm. | Caja de conexiones para empotrar 3 módulos (modelo 503) 106x75 H 55mm. | Heavy Metal Wall 3<br>F990H010000 | |   |

## Heavy Metal Wall 3 Installation acc. F990H010000

Heavy Metal Wall 3 with box. Optional: power supply code 106 in recessed box.

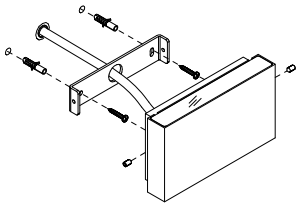
Heavy Metal Wall 3 con caja empotrable. Opcional: fuente de alimentación art.106 en caja empotrable.



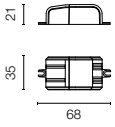
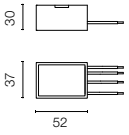
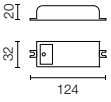
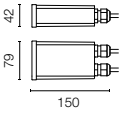
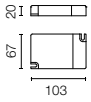
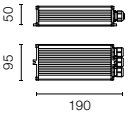
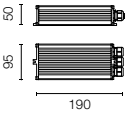
## Heavy Metal Wall 3 Installation acc. F990H010000

Heavy Metal Wall 3 without box.

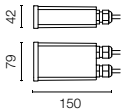
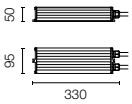
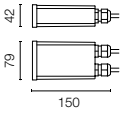
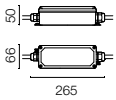
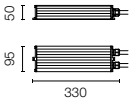
Heavy Metal Wall 3 sin caja empotrable.



## Heavy Metal Wall 3: Drivers / Equipos

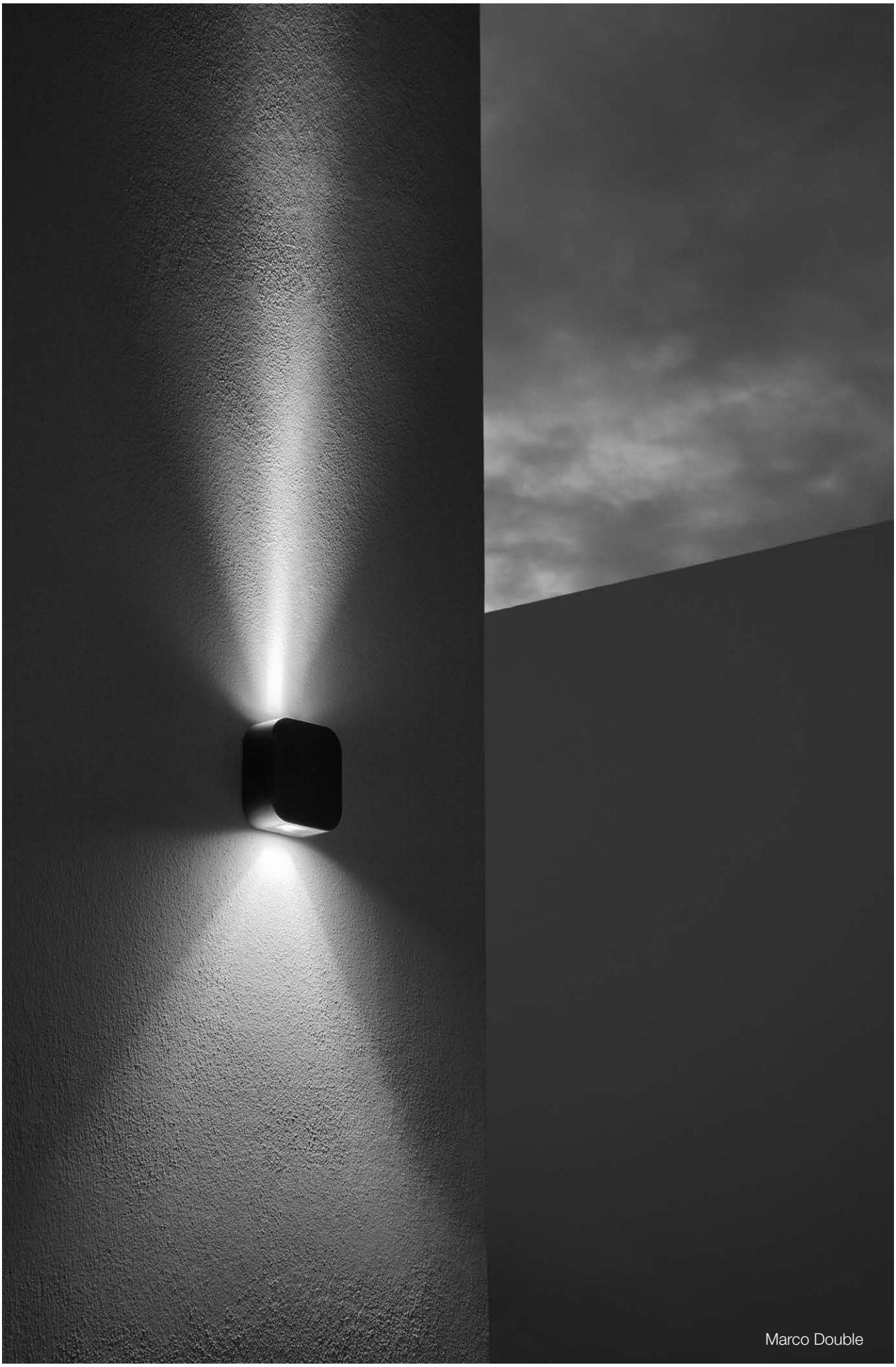
| | | | | |
|---|---|---|---|---|
| Power supply dual function Vout 24Vdc: 8W/100÷240V Iout 350ma: 6x1W/100÷240V IP20 Class II Selv Eq. | Fuente de alimentación con función dual Vout 24Vdc: 8W/100÷240V Iout 350ma: 6x1W/100÷240V IP20 Clase II Selv Eq. | *RF25754 | |   |
| Power supply 24Vdc 8W / 110-240V IP65 Class II selv. | Transformador de 24Vdc 8W / 110-240V IP65 Clase II selv. | *RF25748 | |   |
| Power supply for remote installation 24Vdc 10W /110-240V IP20 Class II selv. | Transformador para instalación remota 24Vdc 10W / 110-240V IP20 Clase II selv. | *RF25747 | |   |
| Power supply 24V 10W / 110-240V IP67 Class II selv. | Transformador 24V 10W / 110-240V IP67 Clase II selv. | *RF25757 | |   |
| Power supply for remote installation 24Vdc 17W / 110-240V (15W@110V) IP20 Class II selv. | Transformador para instalación remota 24Vdc 17W / 110-240V (15W@110V) IP20 Clase II selv. | *RF25750<br>Dimmable 1-10V | |   |
| Power supply 17W/110÷240V - 24Vdc (15W@110V) IP67 Class II Selv. | Transformador 17W/110÷240V - 24Vdc (15W@110V) IP67 Clase II Selv. | *F990B21A000 | |   |
| Power supply for remote installation 24Vdc 20W / 110-240Vdc (15W@110V) IP67 Class II selv. | Transformador para instalación remota 24Vdc 20W / 110-240Vdc (15W@110V) IP67 Clase II selv. | *RF26387.A<br>Dimmable DALI | |   |

## Heavy Metal Wall 3: Drivers / Equipos

| | | | | |
|---|---|---|---|---|
| Power supply for remote installation 24Vdc 20W / 220-240V IP67 Class II selv. | Transformador para instalación remota 24Vdc 20W / 220-240V IP67 Clase II selv. | *RF25752 | |   |
| Power supply for remote installation 24Vdc 50W / 120-240V IP67 Class II selv. | Transformador para instalación remota 24Vdc 50W / 120-240V IP67 Clase II selv. | *F990B28A000 | |   |
| Power supply 24Vdc 35W / 120-270V IP67 Class II selv. | Fuente de alimentación 24Vdc 35W / 120-270V IP67 Clase II selv. | F990B23AZ00 | |   |
| Power supply for remote installation 24Vdc 70W / 220-240V IP67 Class II selv. | Transformador para instalación remota 24Vdc 70W / 220-240V IP67 Clase II selv. | *F990B27A000 | |   |
| Power supply for remote installation 24Vdc 96W / 120-240V IP67 Class II selv. | Transformador para instalación remota 24Vdc 96W / 120-240V IP67 Clase II selv. | *F990B29A000 | |   |

## Marco

Marco Mono


Marco Double

## Family / Familia

### Marco Mono

**Power Led**
up to 3W
up to 103 lm - 2700K/CRI 80
up to 110 lm - 3000K/CRI 80
up to 114 lm - 4000K/CRI 80
* Net lumen output
2200K available on request.

### Marco Double

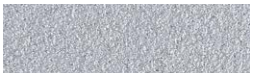
**Power Led**
up to 4W
up to 2x103 lm - 2700K/CRI 80
up to 2x110 lm - 3000K/CRI 80
up to 2x114 lm - 4000K/CRI 80
* Net lumen output
2200K available on request.

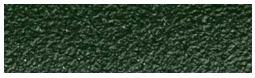
### Marco Omnidirectional

**Power Led**
up to 7W
up to 4x103 lm - 2700K/CRI 80
up to 4x110 lm - 3000K/CRI 80
up to 4x114 lm - 4000K/CRI 80
* Net lumen output
2200K available on request.

## Colours / Colores


01 White


06 Grey


12 Forest Green

18 Deep Brown

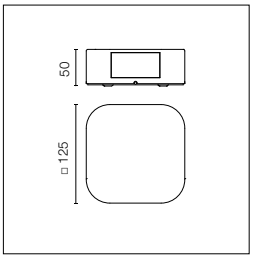
30 Black

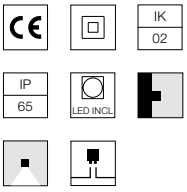
33 Anthracite

## Description / Descripción

Outdoor wall luminaire with LED light source. It is characterized by its square shape with rounded profiles and reduced protrusion. Available in different combinations of beam angles and emission windows, which allow the creation of luminous graphic signs flush with the wall. Die-cast aluminium structure, EN AB-47100 alloy (with low copper content) and AISI 304 stainless steel fixing bracket. Extra clear glass diffuser with silkscreen border, fixed flush with the luminaire's edge through a robotic gluing system in order to prevent water deposits. Available in different finishes with a double layer coating and a chemical conversion surface treatment to guarantee high resistance to corrosion. The fixing screws are made of AISI 316L stainless steel and of minimal dimensions for a perfect, grazing integration into the luminaire's structure.

Luminaria de pared para exteriores con fuente LED. Se caracteriza por su forma cuadrada de perfiles redondeados y por el reducido saliente. Disponible en diferentes combinaciones de haz de apertura y ventana de emisión, que permiten crear signos gráficos luminosos rasantes en la pared. Cuerpo de aluminio moldeado a presión EN AB-47100 (con bajo contenido de cobre), brida de fijación a pared de acero inoxidable AISI 304. Difusor de vidrio extraclaro con borde serigrafiado, fijado al ras del borde de la luminaria mediante un sistema de encolado robótico para evitar depósitos de agua. Disponible en diferentes acabados, con recubrimiento de polvo de doble capa y tratamiento superficial de conversión química para garantizar una elevada resistencia ante la corrosión. Los tornillos de fijación son de acero inoxidable AISI 316L y de dimensiones mínimas para una perfecta integración rasante en el cuerpo de la luminaria.




LED source included. Integrated electric power supply 220-240V ON/OFF. Wall fixing bracket included. Equipped with two rubber cable guides (5mm<Ø<9mm) that facilitate the inlet-outlet connection.

2200K available on request.

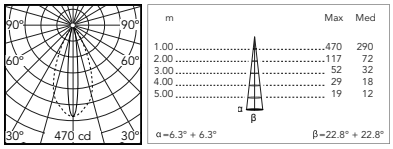
Fuente LED incluida. Fuente de alimentación eléctrica 220-240V ON/OFF integrada. Brida de fijación a pared incluida. Dotada de dos pasacables de goma para cable 5mm<ø<9mm que facilitan la conexión entrada -salida.

2200K disponible bajo pedido.

**Optic Spot 12°**

**Power Led:** 3W - 139 lm ≠ OUTPUT 103 lm - 2700K/CRI 80 - 220÷240V / 3W - 149 lm ≠ OUTPUT 110 lm - 3000K/CRI 80 - 220÷240V / 3W - 154 lm ≠ OUTPUT 114 lm - 4000K/CRI 80 - 220÷240V

| 2700K | 3000K | 4000K |
|---|---|---|
| ○ FA1072764301 | ○ FA1071164301 | ○ FA1072304301 |
| ● FA1072764306 | ● FA1071164306 | ● FA1072304306 |
| ● FA1072764312 | ● FA1071164312 | ● FA1072304312 |
| ● FA1072764318 | ● FA1071164318 | ● FA1072304318 |
| ● FA1072764330 | ● FA1071164330 | ● FA1072304330 |
| ● FA1072764333 | ● FA1071164333 | ● FA1072304333 |

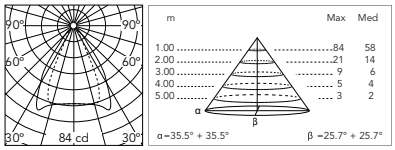



@ 3000K

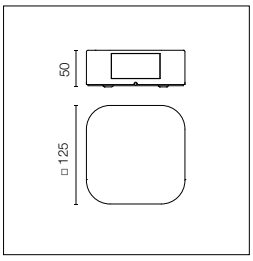
**Optic Flood 71°**

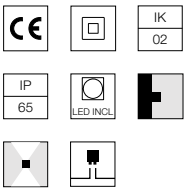
**Power Led:** 3W - 139 lm ≠ OUTPUT 101 lm - 2700K/CRI 80 - 220÷240V / 3W - 149 lm ≠ OUTPUT 108 lm - 3000K/CRI 80 - 220÷240V / 3W - 154 lm ≠ OUTPUT 111 lm - 4000K/CRI 80 - 220÷240V

| 2700K | 3000K | 4000K |
|---|---|---|
| ○ FA1072765001 | ○ FA1071165001 | ○ FA1072305001 |
| ● FA1072765006 | ● FA1071165006 | ● FA1072305006 |
| ● FA1072765012 | ● FA1071165012 | ● FA1072305012 |
| ● FA1072765018 | ● FA1071165018 | ● FA1072305018 |
| ● FA1072765030 | ● FA1071165030 | ● FA1072305030 |
| ● FA1072765033 | ● FA1071165033 | ● FA1072305033 |




@ 3000K




LED source included. Integrated electric power supply 220-240V ON/OFF. Wall fixing bracket included. Equipped with two rubber cable guides (5mm<Ø<9mm) that facilitate the inlet-outlet connection.

2200K available on request.

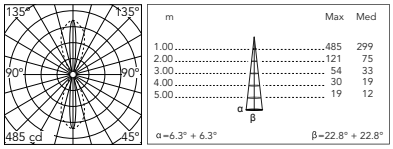
Fuente LED incluida. Fuente de alimentación eléctrica 220-240V ON/OFF integrada. Brida de fijación a pared incluida. Dotada de dos pasacables de goma para cable 5mm<ø<9mm que facilitan la conexión entrada -salida.

2200K disponible bajo pedido.

**Optic Spot 12°**

**Power Led:** 4W - 2x139 lm ≠ OUTPUT 2x103 lm - 2700K/CRI 80 - 220÷240V / 4W - 2x149 lm ≠ OUTPUT 2x110 lm - 3000K/CRI 80 - 220÷240V / 4W - 2x154 lm ≠ OUTPUT 2x114 lm - 4000K/CRI 80 - 220÷240V

| 2700K | 3000K | 4000K |
|---|---|---|
| ○ FA1072794401 | ○ FA1071194401 | ○ FA1072314401 |
| ● FA1072794406 | ● FA1071194406 | ● FA1072314406 |
| ● FA1072794412 | ● FA1071194412 | ● FA1072314412 |
| ● FA1072794418 | ● FA1071194418 | ● FA1072314418 |
| ● FA1072794430 | ● FA1071194430 | ● FA1072314430 |
| ● FA1072794433 | ● FA1071194433 | ● FA1072314433 |

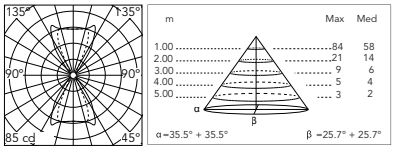



@ 3000K

**Optic Flood 71°**

**Power Led:** 4W - 2x139 lm ≠ OUTPUT 2x101lm - 2700K/CRI 80 - 220÷240V / 4W - 2x149 lm ≠ OUTPUT 2x108 lm - 3000K/CRI 80 - 220÷240V / 4W - 2x154 lm ≠ OUTPUT 2x111 lm - 4000K/CRI 80 - 220÷240V

| 2700K | 3000K | 4000K |
|---|---|---|
| ○ FA1072795101 | ○ FA1071195101 | ○ FA1072315101 |
| ● FA1072795106 | ● FA1071195106 | ● FA1072315106 |
| ● FA1072795112 | ● FA1071195112 | ● FA1072315112 |
| ● FA1072795118 | ● FA1071195118 | ● FA1072315118 |
| ● FA1072795130 | ● FA1071195130 | ● FA1072315130 |
| ● FA1072795133 | ● FA1071195133 | ● FA1072315133 |

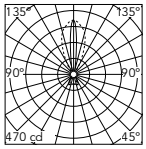



@ 3000K

**Optic Spot 12°+Flood 71°**

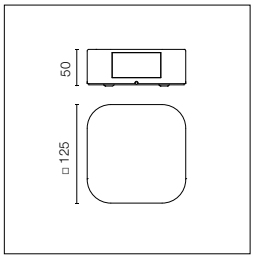
**Power Led:** 4W - 2x139 lm ≠ OUTPUT 2x103+101 lm - 2700K/CRI 80 - 220÷240V / 4W - 2x149 lm ≠ OUTPUT 2x110+108 lm - 3000K/CRI 80 - 220÷240V / 4W - 2x154 lm ≠ OUTPUT 2x114+111 lm - 4000K/CRI 80 - 220÷240V

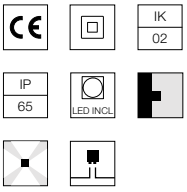
| 2700K | 3000K | 4000K |
|---|---|---|
| ○ FA1072725301 | ○ FA1071225301 | ○ FA1072315301 |
| ● FA1072725306 | ● FA1071225306 | ● FA1072315306 |
| ● FA1072725312 | ● FA1071225312 | ● FA1072315312 |
| ● FA1072725318 | ● FA1071225318 | ● FA1072315318 |
| ● FA1072725330 | ● FA1071225330 | ● FA1072315330 |
| ● FA1072725333 | ● FA1071225333 | ● FA1072315333 |




@ 3000K

## Marco Omnidirectional




LED source included. Integrated electric power supply 220-240V ON/OFF. Wall fixing bracket included. Equipped with two rubber cable guides (5mm<Ø<9mm) that facilitate the inlet-outlet connection.

2200K available on request.

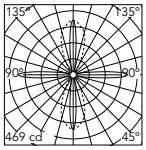
Fuente LED incluida. Fuente de alimentación eléctrica 220-240V ON/OFF integrada. Brida de fijación a pared incluida. Dotada de dos pasacables de goma para cable 5mm<ø<9mm que facilitan la conexión entrada -salida.

2200K disponible bajo pedido.

### Optic Spot 12º

**Power Led:** 7W - 4x139 lm ≠ OUTPUT 4x103 lm - 2700K/CRI 80 - 220÷240V / 7W - 4x149 lm ≠ OUTPUT 4x110 lm - 3000K/CRI 80 - 220÷240V / 7W - 4x154 lm ≠ OUTPUT 4x114 lm - 4000K/CRI 80 - 220÷240V

| 2700K | 3000K | 4000K |
|---|---|---|
| ○ FA1072724701 | ○ FA107924501 | ○ FA1072324501 |
| ● FA1072724706 | ● FA107924506 | ● FA1072324506 |
| ● FA1072724712 | ● FA107924512 | ● FA1072324512 |
| ● FA1072724718 | ● FA107924518 | ● FA1072324518 |
| ● FA1072724730 | ● FA107924530 | ● FA1072324530 |
| ● FA1072724733 | ● FA107924533 | ● FA1072324533 |

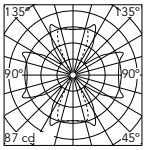



@ 3000K

### Optic Flood 71º

**Power Led:** 7W - 4x139 lm ≠ OUTPUT 4x101 lm - 2700K/CRI 80 - 220÷240V / 7W - 4x149 lm ≠ OUTPUT 4x108 lm - 3000K/CRI 80 - 220÷240V / 7W - 4x154 lm ≠ OUTPUT 4x111 lm - 4000K/CRI 80 - 220÷240V

| 2700K | 3000K | 4000K |
|---|---|---|
| ○ FA1072724901 | ○ FA107925201 | ○ FA1072325201 |
| ● FA1072724906 | ● FA107925206 | ● FA1072325206 |
| ● FA1072724912 | ● FA107925212 | ● FA1072325212 |
| ● FA1072724918 | ● FA107925218 | ● FA1072325218 |
| ● FA1072724930 | ● FA107925230 | ● FA1072325230 |
| ● FA1072724933 | ● FA107925233 | ● FA1072325233 |



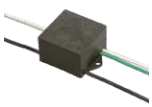

@ 3000K

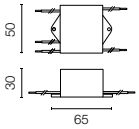
## Marco: Accessories / Accesorios

Surge protection device. 275Vac. Maximum discharge current 10KA (8/20µs). Maximum operating current 5A. Suitable for series connection. IP66.

Dispositivo de protección contra sobrecargas. 275 Vac. Corriente de descarga máxima 10KA (8/20µs). Corriente máxima de funcionamiento 5A. Apta para conexión en serie. IP66.

F990E00A000





# Fenestra

Designed by Flos Outdoor

Fenestra

## Family / Familia

Fenestra 24V

**Power Led**
4W
165 lm - 2700K/CRI 80
183 lm - 3000K/CRI 80
201 lm - 4000K/CRI 80

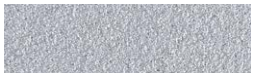
Fenestra

**Power Led**
5,5W
165 lm - 2700K/CRI 80
183 lm - 3000K/CRI 80
201 lm - 4000K/CRI 80

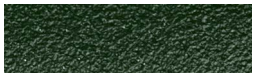
## Colours / Colores



01 White



06 Grey



12 Forest Green

18 Deep Brown

30 Black

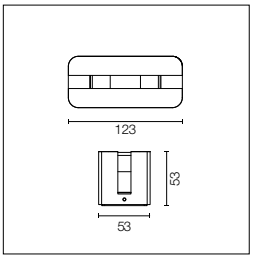
33 Anthracite

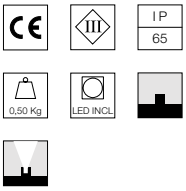
## Description / Descripción

Luminaire for outdoor use for installation in a window compartment with LED light source.
Luminaire body in die-cast aluminum EN AB-47100 (low copper content).
High-resistance coating: after a sandblasting treatment of all components to make the surface porous and ensure a greater adhesion of the paint, the external coating is applied with a double layer with epoxy powders according to the QUALICOAT standard. The first layer of epoxy powder gives chemical and mechanical resistance, the second finishing layer of polyester powder ensures resistance to UV rays and atmospheric agents.
The painted surfaces are treated with alkaline and acidic washes, then rinsed with demineralized water, subjected to a chemical conversion treatment to protect against oxidation.
Thanks to the use of a dual LED source and two laminar emitting lenses, it guarantees a coverage of 270° with homogeneous distribution and excellent color uniformity.
UV-stabilized polycarbonate diffuser, silicone seal.
Each luminaire is equipped with a mechanical adjustment system of up to 10° to compensate the tilting of the parapet and thus correctly orient the light beam.

Luminaria para exterior instalable en el hueco de la ventana provista de luz LED.
Cuerpo realizado en aluminio fundido EN AB-47100 con bajo contenido en cobre.
Revestimiento de alta resistencia: después de un tratamiento de arenado de todos los componentes para hacer que la superficie sea porosa y garantizar una mayor adhesión de la pintura, se aplica el revestimiento externo con una doble capa de polvo según la norma QUALICOAT. La primera capa de polvo epoxídico confiere resistencia química y mecánica, la segunda capa de acabado en polvo de poliéster garantiza la resistencia a los rayos UV y a los agentes atmosféricos.
Las superficies pintadas están tratadas con lavados alcalinos y ácidos, enjuagadas con agua desmineralizada y sometidas a un tratamiento de conversión química para protegerlas contra la oxidación.
Gracias al uso de una doble fuente de LED y de dos lentes con emisión laminar, se garantiza una cobertura de 270° con una distribución homogénea y una óptima uniformidad cromática.
Difusor en policarbonato estabilizado contra los rayos UV, junta de silicona.
Cada luminaria está dotada de un sistema mecánico de regulación de hasta 10° que permite compensar la inclinación del antepecho y de esta forma orientar correctamente el haz luminoso.

## Fenestra 24V



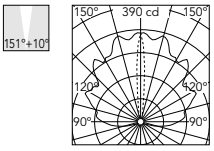




12-24V remote power supply to be ordered separately. Equipped with a 1000 mm lenght outgoing neoprene cable.

Alimentación eléctrica remota 12-24V, bajo pedido. Dotada una sección de cable de neopreno que sobresale de 1000 mm.

**Power Led:** 4W - 274 lm ≠ FIXT 165 lm - 2700K/CRI 80 - 12-24V / 4W - 304 lm ≠ FIXT 183 lm - 3000K/CRI 80 - 12-24V / 4W - 334 lm ≠ FIXT 201 lm - 4000K/CRI 80 - 12-24V

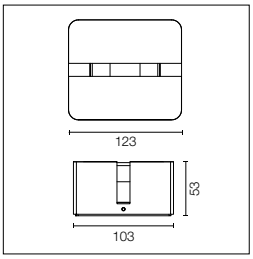
| 2700K | 3000K | 4000K |
|---|---|---|
| ○ F2250001 | ○ F2251001 | ○ F2252001 |
| ● F2250006 | ● F2251006 | ● F2252006 |
| ● F2250012 | ● F2251012 | ● F2252012 |
| ● F2250018 | ● F2251018 | ● F2252018 |
| ● F2250030 | ● F2251030 | ● F2252030 |
| ● F2250033 | ● F2251033 | ● F2252033 |

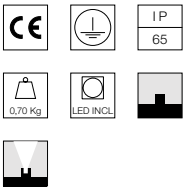



@4000K

| Beam Angle: | | 10° |
|---|---|---|
| h(m) | E(lx) | D(m) |
| 1 | 390 | 7.63 |
| 2 | 97 | 15.26 |
| 3 | 43 | 22.89 |
| 4 | 24 | 30.52 |
| 5 | 16 | 38.15 |

## Fenestra



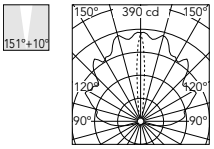




Integrated 100/240V power supply. Equipped with an 1000 mm lenght outgoing neoprene cable.
Dimmable version on request.

Fuente de alimentación de 100/240V integrada. Dotada una sección de cable de neopreno que sobresale de 1000 mm. Versión con regulación de la intensidad bajo pedido.

**Power Led:** 5,5W - 274 lm ≠ FIXT 165 lm - 2700K/CRI 80 - 100-240V / 5,5W - 304 lm ≠ FIXT 183 lm - 3000K/CRI 80 - 100-240V / 5,5W - 334 lm ≠ FIXT 201 lm - 4000K/CRI 80 - 100-240V

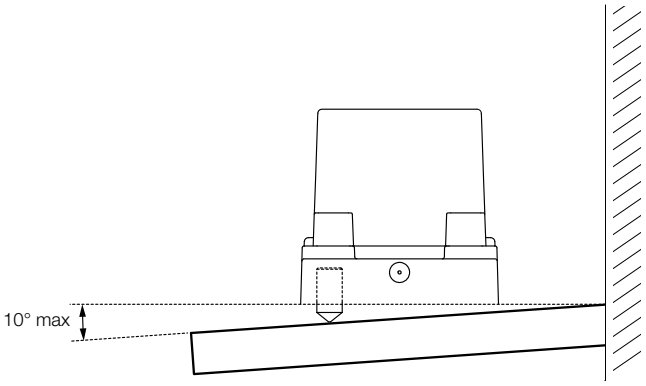
| 2700K | 3000K | 4000K |
|---|---|---|
| ○ F2260001 | ○ F2261001 | ○ F2262001 |
| ● F2260006 | ● F2261006 | ● F2262006 |
| ● F2260012 | ● F2261012 | ● F2262012 |
| ● F2260018 | ● F2261018 | ● F2262018 |
| ● F2260030 | ● F2261030 | ● F2262030 |
| ● F2260033 | ● F2261033 | ● F2262033 |



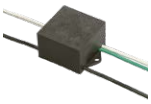
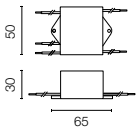

@4000K

| Beam Angle: | | 10° |
|---|---|---|
| h(m) | E(lx) | D(m) |
| 1 | 390 | 7.63 |
| 2 | 97 | 15.26 |
| 3 | 43 | 22.89 |
| 4 | 24 | 30.52 |
| 5 | 16 | 38.15 |

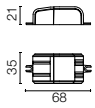
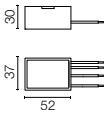
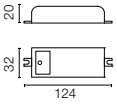
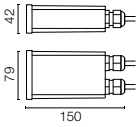
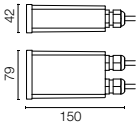
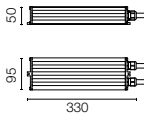
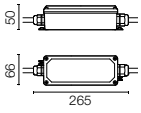
## Luminaire adjustment for non-planar surfaces
## Ajuste de la luminaria para superficies de apoyo no planas



## Fenestra 24V: Accessories / Accesorios

| | | | | |
|---|---|---|---|---|
| Surge protection device. 275Vac. Maximum discharge current 10KA (8/20us). Maximum operating current 5A. Suitable for series connection. IP66. | Dispositivo de protección contra sobrecargas. 275 Vac. Corriente de descarga máxima 10KA (8/20us). Corriente máxima de funcionamiento 5A. Apta para conexión en serie. IP66. | F990E00A000 |  |   |

## Fenestra 24V: Drivers / Equipos

| | | | | |
|---|---|---|---|---|
| Power supply 24V 8W / 110-240V IP20 Class II selv. | Transformador 24V 8W / 110-240V IP20 Clase II selv. | *RF25754 | |   |
| Power supply 24V 8W / 110-240V IP65 Class II selv. | Transformador 24V 8W / 110-240V IP65 Clase II selv. | *RF25748 | |   |
| Power supply 24V 10W /110-240V IP20 Class II selv. | Transformador 24V 10W / 110-240V IP20 Clase II selv. | *RF25747 | |   |
| Power supply 24V 10W / 110-240V IP67 Class II selv. | Transformador 24V 10W / 110-240V IP67 Clase II selv. | *RF25757 | |   |
| Power supply 24Vdc 35W / 120-270V IP67 Class II selv. | Fuente de alimentación 24Vdc 35W / 120-270V IP67 Clase II selv. | *F990B23AZ00 | |   |
| Power supply 24Vdc 50W / 120-240V IP67 Class II selv. | Transformador 24Vdc 50W / 120-240V IP67 Clase II selv. | *F990B28A000 | |   |
| Power supply 24Vdc 70W / 220-240V IP67 Class II selv. | Transformador 24Vdc 70W / 220-240V IP67 Clase II selv. | *F990B27A000 | |   |

* Maximum number of luminaires per power supply / Número máximo de luminarias por fuente de alimentación.

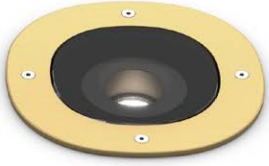
Maximum number of luminaires per power supply. (220÷240 V). These data must be checked taking into account the specific installation conditions.

Número máximo de luminarias por fuente de alimentación (220÷240 V). Estos datos deben ser comprobados teniendo en cuenta las condiciones específicas de instalación.

| | |
|---|---|
| Acc. RF25754 | 1 |
| Acc. RF25748 | 1 |
| Acc. RF25747 | 2 |
| Acc. RF25757 | 2 |
| Acc. F990B23AZ00 | 6 |
| Acc. F990B28A000 | 9 |
| Acc. F990B27A000 | 13 |

# A-Round

Designed by Piero Lissoni



A-Round

## Family / Familia

A-Round 315

**Power Led**
42W
3432 lm - 2700K/CRI 80
3978 lm - 3000K/CRI 80
4290 lm - 4000K/CRI 80

A-Round 240

**Power Led**
21W
1760 lm - 2700K/CRI 80
2040 lm - 3000K/CRI 80
2200 lm - 4000K/CRI 80

A-Round 150

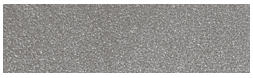
**Power Led**
8W
572 lm - 2700K/CRI 80
663 lm - 3000K/CRI 80
715 lm - 4000K/CRI 80

## Colours / Colores

65 Matt Copper

45 Matt Gold

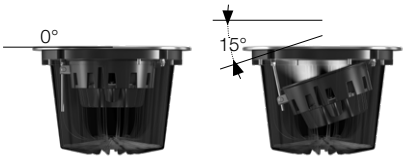
48 Matt Bronze



56 Matt Stainless Steel

Adjustment on the vertical axis: max 15°

Orientabilidad en el eje vertical: máx. 15°



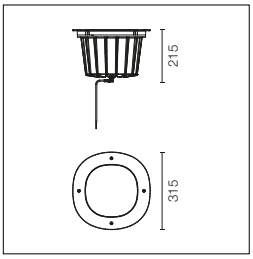

Rotation around the horizontal axis: max 359°

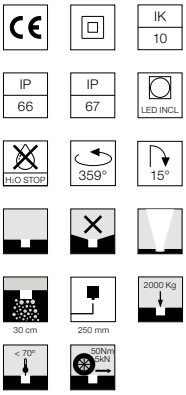
Giro alrededor del eje horizontal: máx. 359°

## Description / Descripción

Ground-recessed luminaire for outdoor use, walkable and trafficable, available in three sizes, with adjustable optics in various configurations.
External body made of stainless steel AISI 316L treated with the PVD process (Physical Vapour Deposition).
Thanks to this innovative treatment, the surfaces of A-Round are coated with a thin film of metals, such as zirconium and titanium which, combining with the steel at the molecular level, increases the resistance to both, mechanical and atmospheric agents, permitting the execution of elegant and durable finishings.
The body of the luminaire is made of die-cast aluminum EN AB-47100 with low copper content, coated with two layers of paint with high resistance to corrosion.
High-strength tempered clear glass, screen-printed to reduce glare.
Driver for remote installation included, provided with M12 quick connector for watertight coupling.
Installation requires a housing for flush mounting, to be ordered separately.
It is necessary to provide an adequate level of gravel (> 300 mm) or a drain system to ensure drainage and avoid water stagnation. To ensure the sealing of the cable gland it is necessary to use flexible electric cables suitable for use in outdoor environments.

Luminaria para exterior empotrable en el suelo, provista de luz LED, pisable, está disponible en tres dimensiones, con óptica orientable y regulable con diversas configuraciones.
Abrazadera externa de acero inoxidable AISI 316L tratado con proceso PVD (Physical Vapour Deposition).
Gracias a este innovador tratamiento, las superficies del A-Round se recubren por una sutil capa de metales como circonio y titanio que, combinándose con el acero a escala molecular, aumentan sus características de resistencia, tanto mecánica como a los agentes atmosféricos, permitiendo la realización de excelentes y duraderos acabados.
Cuerpo del dispositivo hecho en aluminio fundido EN AB-47100 con bajo contenido en cobre, revestido con doble capa de pintura de alta resistencia a la corrosión.
Vidrio transparente templado de alta resistencia, serigrafiado para reducir el deslumbramiento.
Transformador para instalación remota incluido, dotado de un conector de enganche rápido M12 con sellado estanco.
La instalación precisa de un encofrado empotrable, que se tiene que pedir por separado.
Es preciso proporcionar un nivel adecuado de grava (> 300 mm) o un sistema de descarga para garantizar el drenaje y evitar el estancamiento de agua. Para garantizar el sellado del prensacables, es preciso utilizar cables eléctricos flexibles aptos para su empleo en ambientes de exterior.




Integrated 220/240V power supply. Box for installation required, to be ordered separately.
Adjustment on the vertical axis: max 15°. Rotation around the horizontal axis: max 359°.

Fuente de alimentación de 220/240V integrada. Encofrado necesario, que hay que pedir por separado.
Orientabilidad en el eje vertical: máx. 15°. Giro alrededor del eje horizontal: máx. 359°.

**Power Led:** 42W - 3432 lm ≠ *FIXT 3203 lm - 2700K/CRI 80 - 220-240V / 42W - 3978 lm ≠ *FIXT 3447 lm - 3000K/CRI 80 - 220-240V / 42W - 4290 lm ≠ *FIXT 3707 lm - 4000K/CRI 80 - 220-240V
*FIXT lm = Spot Optic

## Optic Spot

### 2700K

Non Dimmable
- F4588065.A
- F4588045.A
- F4588048.A
- F4588056.A

1-10V
- F4588065-310.A
- F4588045-310.A
- F4588048-310.A
- F4588056-310.A

Dali
- F4588065-300.A
- F4588045-300.A
- F4588048-300.A
- F4588056-300.A

### 3000K

Non Dimmable
- F4591065.A
- F4591045.A
- F4591048.A
- F4591056.A

1-10V
- F4591065-310.A
- F4591045-310.A
- F4591048-310.A
- F4591056-310.A

Dali
- F4591065-300.A
- F4591045-300.A
- F4591048-300.A
- F4591056-300.A

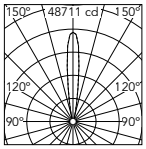
### 4000K

Non Dimmable
- F4594065.A
- F4594045.A
- F4594048.A
- F4594056.A

1-10V
- F4594065-310.A
- F4594045-310.A
- F4594048-310.A
- F4594056-310.A

Dali
- F4594065-300.A
- F4594045-300.A
- F4594048-300.A
- F4594056-300.A

SPOT




@4000K

Beam Angle: 14°

| h(m) | E(lx) | D(m) |
|---|---|---|
| 1 | 48711 | 0.25 |
| 2 | 12178 | 0.49 |
| 3 | 5412 | 0.74 |
| 4 | 3044 | 0.98 |
| 5 | 1948 | 1.23 |

## Optic Medium

### 2700K

Non Dimmable
- F4589065.A
- F4589045.A
- F4589048.A
- F4589056.A

1-10V
- F4589065-310.A
- F4589045-310.A
- F4589048-310.A
- F4589056-310.A

Dali
- F4589065-300.A
- F4589045-300.A
- F4589048-300.A
- F4589056-300.A

### 3000K

Non Dimmable
- F4592065.A
- F4592045.A
- F4592048.A
- F4592056.A

1-10V
- F4592065-310.A
- F4592045-310.A
- F4592048-310.A
- F4592056-310.A

Dali
- F4592065-300.A
- F4592045-300.A
- F4592048-300.A
- F4592056-300.A

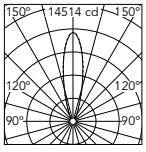
### 4000K

Non Dimmable
- F4595065.A
- F4595045.A
- F4595048.A
- F4595056.A

1-10V
- F4595065-310.A
- F4595045-310.A
- F4595048-310.A
- F4595056-310.A

Dali
- F4595065-300.A
- F4595045-300.A
- F4595048-300.A
- F4595056-300.A

MEDIUM




@4000K

Beam Angle: 25°

| h(m) | E(lx) | D(m) |
|---|---|---|
| 1 | 14514 | 0.43 |
| 2 | 3629 | 0.86 |
| 3 | 1613 | 1.29 |
| 4 | 907 | 1.73 |
| 5 | 581 | 2.16 |

## Optic Flood

### 2700K

Non Dimmable
- F4590065.A
- F4590045.A
- F4590048.A
- F4590056.A

1-10V
- F4590065-310.A
- F4590045-310.A
- F4590048-310.A
- F4590056-310.A

Dali
- F4590065-300.A
- F4590045-300.A
- F4590048-300.A
- F4590056-300.A

### 3000K

Non Dimmable
- F4593065.A
- F4593045.A
- F4593048.A
- F4593056.A

1-10V
- F4593065-310.A
- F4593045-310.A
- F4593048-310.A
- F4593056-310.A

Dali
- F4593065-300.A
- F4593045-300.A
- F4593048-300.A
- F4593056-300.A

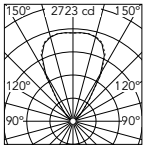
### 4000K

Non Dimmable
- F4596065.A
- F4596045.A
- F4596048.A
- F4596056.A

1-10V
- F4596065-310.A
- F4596045-310.A
- F4596048-310.A
- F4596056-310.A

Dali
- F4596065-300.A
- F4596045-300.A
- F4596048-300.A
- F4596056-300.A

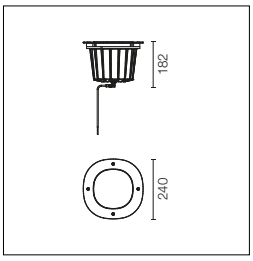
FLOOD

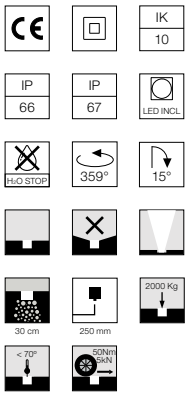



@4000K

Beam Angle: 64°

| h(m) | E(lx) | D(m) |
|---|---|---|
| 1 | 2723 | 1.23 |
| 2 | 681 | 2.46 |
| 3 | 303 | 3.69 |
| 4 | 170 | 4.92 |
| 5 | 109 | 6.15 |




Integrated 220/240V power supply. Box for installation required, to be ordered separately.
Adjustment on the vertical axis: max 15°. Rotation around the horizontal axis: max 359°.

Fuente de alimentación de 220/240V integrada. Encofrado necesario, que hay que pedir por separado.
Orientabilidad en el eje vertical: máx. 15°. Giro alrededor del eje horizontal: máx. 359°.

**Power Led:** 21W - 1760 lm ≠ *FIXT 1623 lm - 2700K/CRI 80 - 220-240V / 21W - 2040 lm ≠ *FIXT 1747 lm - 3000K/CRI 80 - 220-240V / 21W - 2200 lm ≠ *FIXT 1878 lm - 4000K/CRI 80 - 220-240V
*FIXT lm = Spot Optic

## Optic Spot

**2700K**

Non Dimmable
- F4579065.A
- F4579045.A
- F4579048.A
- F4579056.A

1-10V
- F4579065-310.A
- F4579045-310.A
- F4579048-310.A
- F4579056-310.A

Dali
- F4579065-300.A
- F4579045-300.A
- F4579048-300.A
- F4579056-300.A

**3000K**

Non Dimmable
- F4582065.A
- F4582045.A
- F4582048.A
- F4582056.A

1-10V
- F4582065-310.A
- F4582045-310.A
- F4582048-310.A
- F4582056-310.A

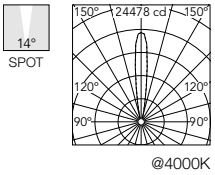
Dali
- F4582065-300.A
- F4582045-300.A
- F4582048-300.A
- F4582056-300.A

**4000K**

Non Dimmable
- F4585065.A
- F4585045.A
- F4585048.A
- F4585056.A

1-10V
- F4585065-310.A
- F4585045-310.A
- F4585048-310.A
- F4585056-310.A

Dali
- F4585065-300.A
- F4585045-300.A
- F4585048-300.A
- F4585056-300.A




Beam Angle: 14°

| h(m) | E(lx) | D(m) |
|---|---|---|
| 1 | 24478 | 0.25 |
| 2 | 6120 | 0.50 |
| 3 | 2720 | 0.75 |
| 4 | 1530 | 1.00 |
| 5 | 979 | 1.25 |

## Optic Medium

**2700K**

Non Dimmable
- F4580065.A
- F4580045.A
- F4580048.A
- F4580056.A

1-10V
- F4580065-310.A
- F4580045-310.A
- F4580048-310.A
- F4580056-310.A

Dali
- F4580065-300.A
- F4580045-300.A
- F4580048-300.A
- F4580056-300.A

**3000K**

Non Dimmable
- F4583065.A
- F4583045.A
- F4583048.A
- F4583056.A

1-10V
- F4583065-310.A
- F4583045-310.A
- F4583048-310.A
- F4583056-310.A

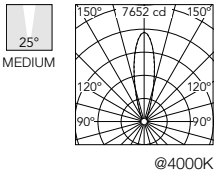
Dali
- F4583065-300.A
- F4583045-300.A
- F4583048-300.A
- F4583056-300.A

**4000K**

Non Dimmable
- F4586065.A
- F4586045.A
- F4586048.A
- F4586056.A

1-10V
- F4586065-310.A
- F4586045-310.A
- F4586048-310.A
- F4586056-310.A

Dali
- F4586065-300.A
- F4586045-300.A
- F4586048-300.A
- F4586056-300.A




Beam Angle: 25°

| h(m) | E(lx) | D(m) |
|---|---|---|
| 1 | 7652 | 0.45 |
| 2 | 1913 | 0.90 |
| 3 | 850 | 1.35 |
| 4 | 478 | 1.80 |
| 5 | 306 | 2.25 |

## Optic Flood

**2700K**

Non Dimmable
- F4581065.A
- F4581045.A
- F4581048.A
- F4581056.A

1-10V
- F4581065-310.A
- F4581045-310.A
- F4581048-310.A
- F4581056-310.A

Dali
- F4581065-300.A
- F4581045-300.A
- F4581048-300.A
- F4581056-300.A

**3000K**

Non Dimmable
- F4584065.A
- F4584045.A
- F4584048.A
- F4584056.A

1-10V
- F4584065-310.A
- F4584045-310.A
- F4584048-310.A
- F4584056-310.A

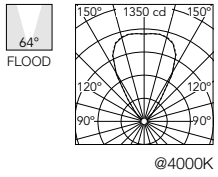
Dali
- F4584065-300.A
- F4584045-300.A
- F4584048-300.A
- F4584056-300.A

**4000K**

Non Dimmable
- F4587065.A
- F4587045.A
- F4587048.A
- F4587056.A

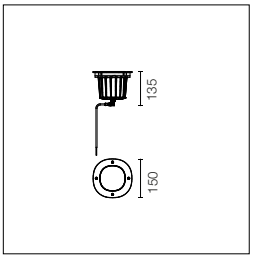
1-10V
- F4587065-310.A
- F4587045-310.A
- F4587048-310.A
- F4587056-310.A

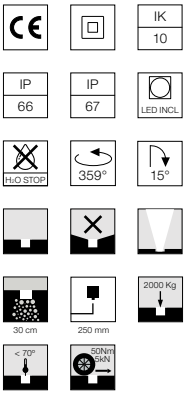
Dali
- F4587065-300.A
- F4587045-300.A
- F4587048-300.A
- F4587056-300.A




Beam Angle: 64°

| h(m) | E(lx) | D(m) |
|---|---|---|
| 1 | 1350 | 1.25 |
| 2 | 338 | 2.49 |
| 3 | 150 | 3.74 |
| 4 | 84 | 4.98 |
| 5 | 54 | 6.23 |



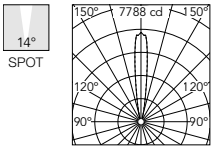

Integrated 110/240V power supply. Box for installation required, to be ordered separately. Dimmable version on request.
Adjustment on the vertical axis: max 15°. Rotation around the horizontal axis: max 359°.

Fuente de alimentación de 110/240V integrada. Encofrado necesario, que hay que pedir por separado. Versión con regulación de la intensidad bajo pedido.
Orientabilidad en el eje vertical: máx. 15°. Giro alrededor del eje horizontal: máx. 359°.

**Power Led:** 8W - 572 lm ≠ *FIXT 536 lm - 2700K/CRI 80 - 110-240V / 8W - 663 lm ≠ *FIXT 576 lm - 3000K/CRI 80 - 110-240V / 8W - 715 lm ≠ *FIXT 620 lm - 4000K/CRI 80 - 110-240V
*FIXT lm = Spot Optic

**Optic Spot**

| 2700K | 3000K | 4000K |
|---|---|---|
| F4570065.A | F4573065.A | F4576065.A |
| F4570045.A | F4573045.A | F4576045.A |
| F4570048.A | F4573048.A | F4576048.A |
| F4570056.A | F4573056.A | F4576056.A |



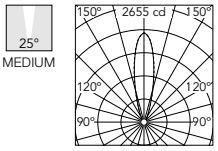

Beam Angle: 14°

| h(m) | E(lx) | D(m) |
|---|---|---|
| 1 | 7788 | 0.25 |
| 2 | 1947 | 0.50 |
| 3 | 865 | 0.76 |
| 4 | 487 | 1.01 |
| 5 | 312 | 1.26 |

@4000K

**Optic Medium**

| 2700K | 3000K | 4000K |
|---|---|---|
| F4571065.A | F4574065.A | F4577065.A |
| F4571045.A | F4574045.A | F4577045.A |
| F4571048.A | F4574048.A | F4577048.A |
| F4571056.A | F4574056.A | F4577056.A |



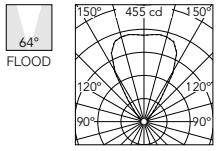

Beam Angle: 25°

| h(m) | E(lx) | D(m) |
|---|---|---|
| 1 | 2655 | 0.43 |
| 2 | 664 | 0.86 |
| 3 | 295 | 1.28 |
| 4 | 166 | 1.71 |
| 5 | 106 | 2.14 |

@4000K

**Optic Flood**

| 2700K | 3000K | 4000K |
|---|---|---|
| F4572065.A | F4575065.A | F4578065.A |
| F4572045.A | F4575045.A | F4578045.A |
| F4572048.A | F4575048.A | F4578048.A |
| F4572056.A | F4575056.A | F4578056.A |

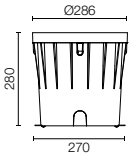
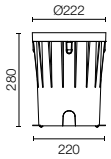
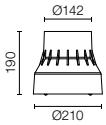
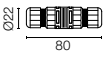
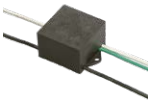
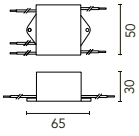



Beam Angle: 64°

| h(m) | E(lx) | D(m) |
|---|---|---|
| 1 | 455 | 1.26 |
| 2 | 114 | 2.51 |
| 3 | 51 | 3.77 |
| 4 | 28 | 5.03 |
| 5 | 18 | 6.28 |

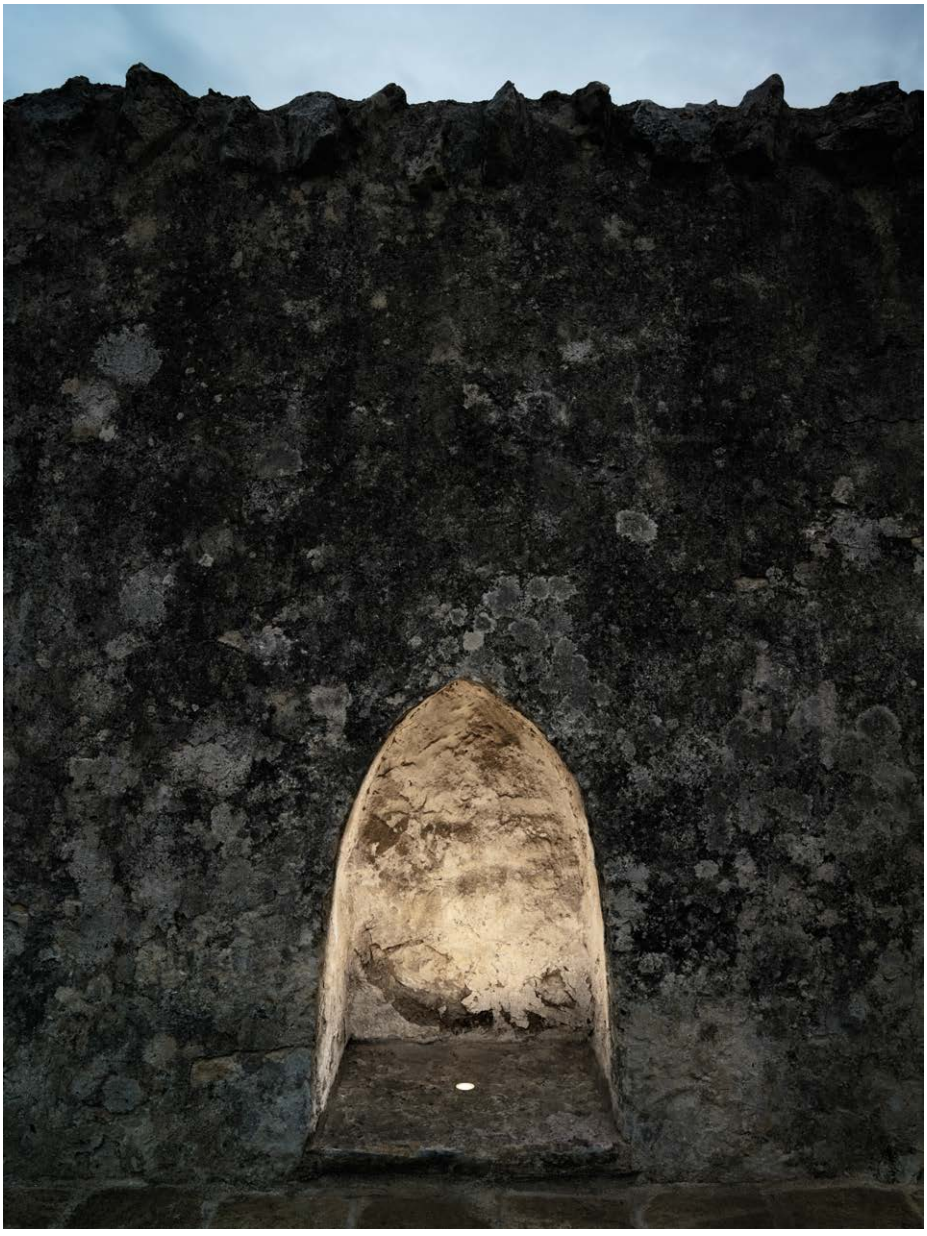
@4000K

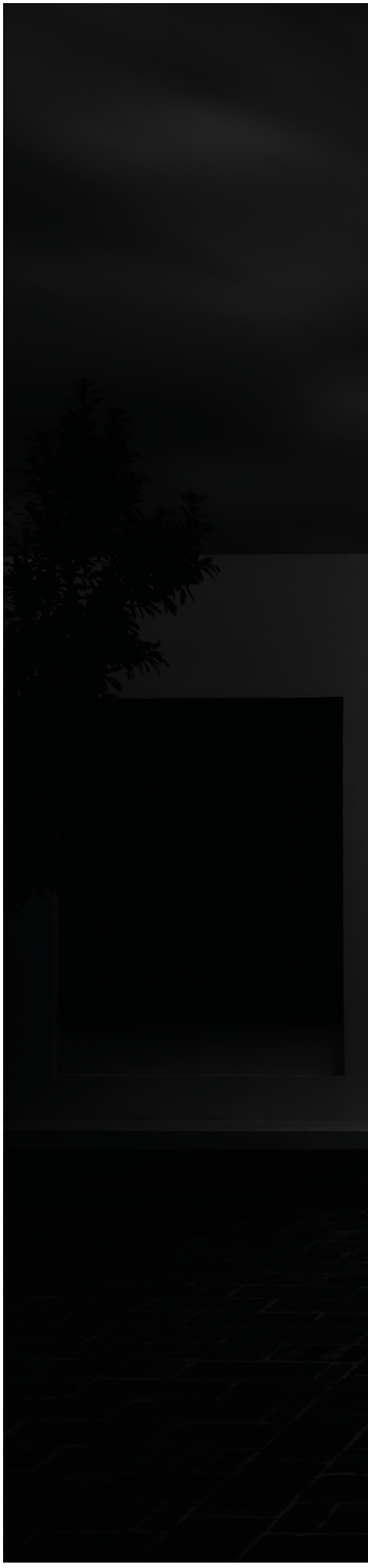
## A-Round: Accessories / Accesorios

| | | | |
|---|---|---|---|
| Honeycomb. | Honeycomb. | A-Round 315 - 4 Units Kit<br>F4557000 | |
| Flood lens. | Lente Flood. | A-Round 315 - 4 Units Kit<br>F4560000 | |
| Box for installation. | Encofrado. | A-Round 315<br>F4599000 |   |
| Honeycomb. | Honeycomb. | A-Round 240 - 4 Units Kit<br>F4556000 | |
| Flood lens. | Lente Flood. | A-Round 240 - 4 Units Kit<br>F4559000 | |
| Box for installation. | Encofrado. | A-Round 240<br>F4598000 |   |
| Honeycomb. | Honeycomb. | A-Round 150 - 4 Units Kit<br>F4555000 | |
| Flood lens. | Lente Flood. | A-Round 150 - 4 Units Kit<br>F4558000 | |
| Box for installation. | Encofrado. | A-Round 150<br>F4597000 |   |
| 2 way terminal block 4 poles IP68 H2O Stop. (ø5,5÷12mm cable). | Bloque de terminales IP68 H2O Stop anticondensación con 2 vías y 4 polos. (Cable ø5,5÷12 mm). | F990C00A000 |   |
| 3/4 way terminal block 4 poles IP68 H2O Stop. (ø5,5÷12mm cable). | Bloque de terminales IP68 H2O Stop anticondensación con 3/4 vías y 4 polos. (Cable ø5,5÷12 mm). | F990C010000 | |
| Surge protection device. 275Vac. Maximum discharge current 10KA (8/20us). Maximum operating current 5A. Suitable for series connection. IP66. | Dispositivo de protección contra sobrecargas. 275 Vac. Corriente de descarga máxima 10KA (8/20us). Corriente máxima de funcionamiento 5A. Apta para conexión en serie. IP66. | F990E00A000 |    |

## A-Rise

A-Rise





## Family / Familia

### A-Rise 290

**Power Led**
up to 39W
up to 2956 lm - 2700K/CRI 80
up to 3167 lm - 3000K/CRI 80
up to 3273 lm - 4000K/CRI 80
* Net lumen output
2200K available on request.

**CoB Led**
up to 38W
up to 3093 lm - 2700K/CRI 80
up to 3326 lm - 3000K/CRI 80
up to 3411 lm - 4000K/CRI 80
* Net lumen output

### A-Rise 225

**Power Led**
up to 21W
up to 1478 lm - 2700K/CRI 80
up to 1584 lm - 3000K/CRI 80
up to 1636 lm - 4000K/CRI 80
* Net lumen output
2200K available on request.

**CoB Led**
up to 21W
up to 1739 lm - 2700K/CRI 80
up to 1870 lm - 3000K/CRI 80
up to 1961 lm - 4000K/CRI 80
* Net lumen output

### A-Rise 145

**Power Led**
up to 8W
up to 472 lm - 2700K/CRI 80
up to 507 lm - 3000K/CRI 80
up to 583 lm - 4000K/CRI 80
* Net lumen output

**CoB Led**
up to 9W
up to 545 lm - 2700K/CRI 80
up to 586 lm - 3000K/CRI 80
up to 610 lm - 4000K/CRI 80
* Net lumen output

### A-Rise 130

**Mid - Power Led**
up to 7W
up to 453 lm - 3000K/CRI 80
up to 479 lm - 4000K/CRI 80
* Net lumen output

### A-Rise 65

**Power Led**
up to 3,4W
up to 138 lm - 2700K/CRI 80
up to 149 lm - 3000K/CRI 80
up to 155 lm - 4000K/CRI 80
* Net lumen output
2200K available on request.

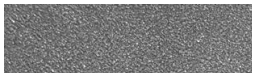
### A-Rise 65 High Emission

**Power Led**
up to 4,5W
up to 246 lm - 2700K/CRI 80
up to 267 lm - 3000K/CRI 80
up to 277 lm - 4000K/CRI 80
* Net lumen output
2200K available on request.

### A-Rise 49

**Power Led**
up to 2,3W
up to 106 lm - 2700K/CRI 80
up to 115 lm - 3000K/CRI 80
up to 119 lm - 4000K/CRI 80
* Net lumen output
2200K available on request.

## Colours / Colores



56 Matt Stainless Steel

Complete family of ground recessed luminaires with LED source. They are characterized by their curved lines, which adapt to different architectural installation conditions. Available in different sizes and different beam angles. External caps made of 316L stainless steel, shot-blasted to improve its resistance to stress and its aesthetics with a slightly satin finish. The fixing screws are made of AISI 316L stainless steel. The installation requires a recessed box to be ordered separately. To avoid water stagnation, it is necessary to insulate the lower part of the box with a layer of drainage material or other drainage system. In order to guarantee the preservation of the cable guide, it is recommended to use flexible electric cables specifically designed for outdoor use.

**A-Rise 145 / 225 / 290**
Ground recessed and walk-over luminaire. Available in three different diameters and different beam angles. Equipped with a visor that tilts on the vertical axis and that is adjustable on the horizontal axis in order to adjust brightness and to perfectly adapt it to the desired effect on the surface. The rear position of the light source contributes to a considerable reduction of direct glare, thus ensuring excellent visual comfort. The structure and sink are made of EN AB-47100 die-cast aluminum (with low copper content), coated with a double layer of highly corrosion-resistant paint. The external cap is made of AISI 316L shot-blasted stainless steel. Tempered, transparent glass for higher resistance, silkscreened in order to reduce glare. Fixed to the ring of the external cap through a robotic gluing system. Equipped with an M12 watertight screw-on connector which completely isolates it from water infiltration and guarantees a quick connection with the supplied wiring, together with a remote IP66/67 kit to be installed in the box for recessing.

**A-Rise 130**
Ground recessed and walk-over luminaire characterized by a shallow recessing which allows its installation in 80 mm partition walls. Wide beam angle for a smooth and diffused light. Available in two power factors and two luminous fluxes to meet different lighting requirements. EN AB-47100 die-cast aluminium structure and sink (with low copper content), coated with a double layer of highly corrosion-resistant paint. AISI 316L shot-blasted stainless steel external cap. Frosted glass diffuser, silkscreened at the center in order to reduce glare and fixed through a robotic gluing system. Available in two versions: 24V and line voltage LED module. The 24V version requires a remote power supply to be ordered separately.

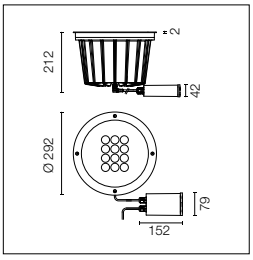
**A-Rise 49 / A-Rise 65**
Spring-loaded version of the ground recessed and walk-over luminaire, designed to be recessed in walls or false ceilings. Available in two different diameters, it is characterized by its compact shape and the absence of visible screws. Available with different light diffusion and beam angles. The slightly rear position of the light source contributes to reduce the direct glare. Structure in turned aluminium, EN AW 6060 alloy, anodized for better resistance to corrosion. 316L shot-blasted stainless steel external cap. Transparent polycarbonate diffuser for narrow and medium beam versions and opal polycarbonate diffuser for diffused light versions. The 24V dc luminaire is powered by a remote power supply to be ordered separately.

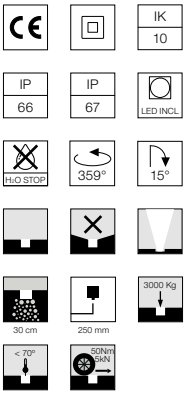
Familia completa de luminarias con fuente LED, empotrables en suelo. Se caracterizan por sus líneas curvas, que se adaptan a diferentes condiciones de instalación arquitectónica. Disponibles en varias dimensiones y con diferentes haces de apertura. Tapas exteriores de acero inoxidable 316L, sometido a granallado para mejorar su resistencia al esfuerzo y su estética con un toque ligeramente satinado. Los tornillos de fijación son de acero inoxidable AISI 316L. La instalación necesita una caja empotrable que se debe pedir por separado. Para evitar estancamientos de agua es necesario aislar la parte inferior de dicha caja mediante una capa de material drenante u otro sistema de drenaje. Para garantizar la conservación del pasacable se aconseja usar cables eléctricos flexibles y específicos para exteriores.

**A-Rise 145 / 225 / 290**
Luminaria empotrable en suelo y pisable. Disponible en tres diámetros diferentes y con múltiples haces de apertura. Visor basculante en el eje vertical y orientable en el eje horizontal para regular la luminosidad y adaptarla perfectamente al efecto que se quiere conseguir en la superficie. La posición posterior de la fuente luminosa contribuye a reducir de manera considerable el deslumbramiento directo, garantizando de esa manera un confort visual inmejorable. El cuerpo y el disipador son de aluminio fundido a presión EN AB-47100 (con bajo contenido de cobre), revestido con una doble capa de pintura altamente resistente ante la corrosión. La tapa exterior es de acero inoxidable AISI 316L sometido a granallado. Vidrio transparente templado para una mayor resistencia, serigrafiado para reducir el deslumbramiento y fijado al aro de la tapa exterior con un sistema de encolado robótico. Dotada de conector de rosca M12 estanco, que la aísla completamente de las infiltraciones de agua y garantiza una rápida conexión con el cableado en dotación, junto a un kit IP66/67 remoto que hay que instalar en la caja para el empotrado.

**A-Rise 130**
Luminaria empotrable en el suelo y pisable, que se caracteriza por un empotrado poco profundo, lo que permite su instalación en tabiques de 80 mm. Haz de apertura ancho, para una iluminación suave y difusa. Disponible en dos factores de potencia y flujos luminosos para responder a las diferentes necesidades de iluminación. Cuerpo y disipador de aluminio fundido a presión EN AB-47100 (con bajo contenido de cobre), recubierto con una doble capa de pintura altamente resistente ante la corrosión. Tapa exterior de acero inoxidable AISI 316L, sometido a granallado. Difusor de vidrio esmerilado, serigrafiado en el centro para reducir el deslumbramiento y fijado mediante un sistema de encolado robótico. Disponible en versión con módulo LED en tensión de línea y en versión 24V. Este último necesita una fuente de alimentación remota que se debe pedir por separado.

**A-Rise 49 / A-Rise 65**
Versión con muelle de la luminaria empotrable en el suelo y pisable, diseñada para empotrarse en pared o en falso techo. Disponible en dos diámetros diferentes, se caracteriza por su forma compacta y por la ausencia de tornillos a la vista. Disponible con diferentes haces de apertura y de difusión de la luz. La posición ligeramente posterior de la fuente luminosa contribuye a reducir el deslumbramiento directo. Cuerpo de aluminio torneado, aleación EN AW 6060, anodizado para una mayor resistencia ante la corrosión. Tapa exterior de acero inoxidable 316L, sometido a granallado. Difusor de policarbonato transparente en las versiones de haz estrecho y medio; de policarbonato opal en las versiones de luz difusa. La luminaria de 24V dc necesita una fuente de alimentación remota que se debe pedir por separado.




LED light source included. Integrated 24V dc ON/OFF remote electric power supply. Adjustment on vertical axis: 15º max. Rotation on horizontal axis: 359º max. Remote power supply that must be placed in a junction box, equipped with a protruding, 400 mm cable with an M12 screw-on connector that guarantees the water tightness of the luminaire, and with a 250 mm cable for the connection to the power line.
Extra clear transparent glass.

2200K available on request.

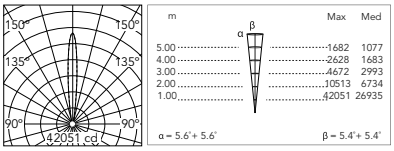
Fuente LED incluida. Fuente de alimentación eléctrica remota 24V dc ON/OFF integrada. Orientación en el eje vertical: máx. 15º. Rotación en el eje horizontal: máx. 359º. Fuente de alimentación remota que hay que alojar en una caja de registro, dotada de una sección de cable que sobresale 400 mm con conector a rosca M12 que garantiza la estanqueidad de la luminaria y de una sección de cable de 250 mm para la conexión a la línea eléctrica. Vidrio transparente extraclaro.

2200K disponible bajo pedido.

### Optic Spot 10º

**Power Led:** 39W - 3864 lm ≠ OUTPUT 2956 lm - 2700K/CRI 80 - 220÷240V / 39W - 4140 lm ≠ OUTPUT 3167 lm - 3000K/CRI 80 - 220÷240V / 39W - 4278 lm ≠ OUTPUT 3273 lm - 4000K/CRI 80 - 220÷240V

| 2700K | 3000K | 4000K |
|---|---|---|
| Non Dimmable | Non Dimmable | Non Dimmable |
| FA53406356 | FA53403756 | FA53403656 |
| 1-10V | 1-10V | 1-10V |
| FA53406356-310 | FA53403756-310 | FA53403656-310 |
| Dali | Dali | Dali |
| FA53406356-300 | FA53403756-300 | FA53403656-300 |

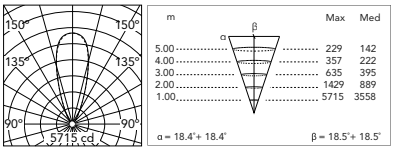



@ 3000K

### Optic Medium 35º

**Power Led:** 39W - 3864 lm ≠ OUTPUT 2722 lm - 2700K/CRI 80 - 220÷240V / 39W - 4140 lm ≠ OUTPUT 2917 lm - 3000K/CRI 80 - 220÷240V / 39W - 4278 lm ≠ OUTPUT 3014 lm - 4000K/CRI 80 - 220÷240V

| 2700K | 3000K | 4000K |
|---|---|---|
| Non Dimmable | Non Dimmable | Non Dimmable |
| FA53406456 | FA53404056 | FA53403956 |
| 1-10V | 1-10V | 1-10V |
| FA53406456-310 | FA53404056-310 | FA53403956-310 |
| Dali | Dali | Dali |
| FA53406456-300 | FA53404056-300 | FA53403956-300 |

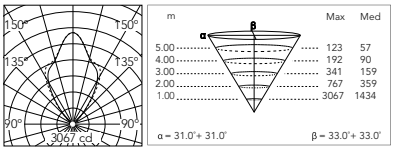



@ 3000K

### Optic Flood 70º

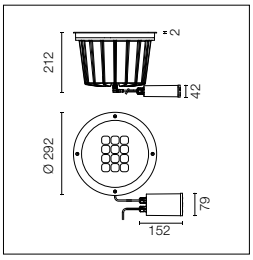
**Power Led:** 39W - 3864 lm ≠ OUTPUT 2918 lm - 2700K/CRI 80 - 220÷240V / 39W - 4140 lm ≠ OUTPUT 3126 lm - 3000K/CRI 80 - 220÷240V / 39W - 4278 lm ≠ OUTPUT 3230 lm - 4000K/CRI 80 - 220÷240V

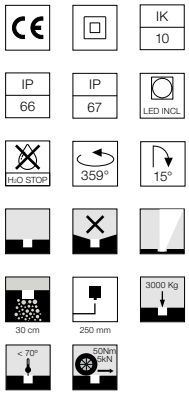
| 2700K | 3000K | 4000K |
|---|---|---|
| Non Dimmable | Non Dimmable | Non Dimmable |
| FA53406556 | FA53404356 | FA53404256 |
| 1-10V | 1-10V | 1-10V |
| FA53406556-310 | FA53404356-310 | FA53404256-310 |
| Dali | Dali | Dali |
| FA53406556-300 | FA53404356-300 | FA53404256-300 |




@ 3000K

## A-Rise 290 Wall Washer




LED light source included. Integrated 24V dc ON/OFF remote electric power supply. Adjustment on vertical axis: 15º max. Rotation on horizontal axis: 359º max. Remote power supply that must be placed in a junction box, equipped with a protruding, 400 mm cable with an M12 screw-on connector that guarantees the water tightness of the luminaire, and with a 250 mm cable for the connection to the power line.
Extra clear transparent glass.

2200K available on request.

Fuente LED incluida. Fuente de alimentación eléctrica remota 24V dc ON/OFF integrada. Orientación en el eje vertical: máx. 15º. Rotación en el eje horizontal: máx. 359º. Fuente de alimentación remota que hay que alojar en una caja de registro, dotada de una sección de cable que sobresale 400 mm con conector a rosca M12 que garantiza la estanqueidad de la luminaria y de una sección de cable de 250 mm para la conexión a la línea eléctrica. Vidrio transparente extraclaro.

2200K disponible bajo pedido.

### Optic Asymmetric 54°x 66°

**Power Led:** 39W - 3864 lm ≠ OUTPUT 2840 lm - 2700K/CRI 80 - 220÷240V / 39W - 4140 lm ≠ OUTPUT 3043 lm - 3000K/CRI 80 - 220÷240V / 39W - 4278 lm ≠ OUTPUT 3144 lm - 4000K/CRI 80 - 220÷240V

**2700K**
Non Dimmable
- FA53406656

1-10V
- FA53406656-310

Dali
- FA53406656-300

**3000K**
Non Dimmable
- FA53404656

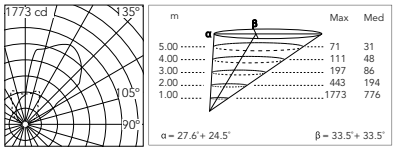
1-10V
- FA53404656-310

Dali
- FA53404656-300

**4000K**
Non Dimmable
- FA53404556

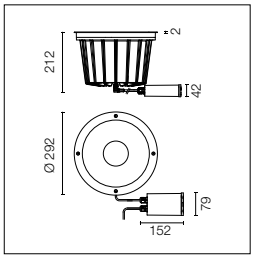
1-10V
- FA53404556-310

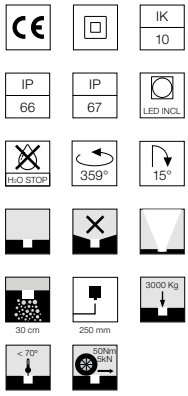
Dali
- FA53404556-300




@ 3000K

## A-Rise 290 High Emission




LED light source included. Integrated 24V dc ON/OFF remote electric power supply. Adjustment on vertical axis: 15º max. Rotation on horizontal axis: 359º max. Remote power supply that must be placed in a junction box, equipped with a protruding, 400 mm cable with an M12 screw-on connector that guarantees the water tightness of the luminaire, and with a 250 mm cable for the connection to the power line.
Extra clear transparent glass.

Fuente LED incluida. Fuente de alimentación eléctrica remota 24V dc ON/OFF integrada. Orientación en el eje vertical: máx. 15º. Rotación en el eje horizontal: máx. 359º. Fuente de alimentación remota que hay que alojar en una caja de registro, dotada de una sección de cable que sobresale 400 mm con conector a rosca M12 que garantiza la estanqueidad de la luminaria y de una sección de cable de 250 mm para la conexión a la línea eléctrica. Vidrio transparente extraclaro.

### Optic Medium 40º

**CoB Led:** 38W - 4078 lm ≠ OUTPUT 3093 lm - 2700K/CRI 80 - 220÷240V / 38W - 4385 lm ≠ OUTPUT 3326 lm - 3000K/CRI 80 - 220÷240V / 38W - 4496 lm ≠ OUTPUT 3411 lm - 4000K/CRI 80 - 220÷240V

**2700K**
Non Dimmable
- FA53406756.A

1-10V
- FA53406756-310.A

Dali
- FA53406756-300.A

**3000K**
Non Dimmable
- FA53404856.A

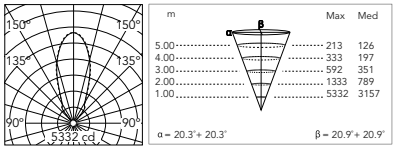
1-10V
- FA53404856-310.A

Dali
- FA53404856-300.A

**4000K**
Non Dimmable
- FA53404756.A

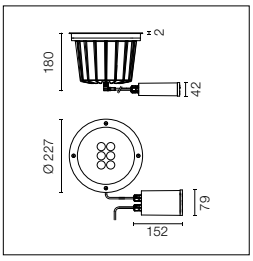
1-10V
- FA53404756-310.A

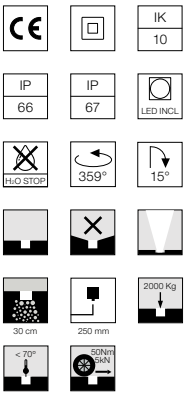
Dali
- FA53404756-300.A




@ 3000K

# A-Rise 225




LED light source included. Integrated 24V dc ON/OFF remote electric power supply. Adjustment on vertical axis: 15º max. Rotation on horizontal axis: 359º max. Remote power supply that must be placed in a junction box, equipped with a protruding, 400 mm cable with an M12 screw-on connector that guarantees the water tightness of the luminaire, and with a 250 mm cable for the connection to the power line.
Extra clear transparent glass.

2200K available on request.

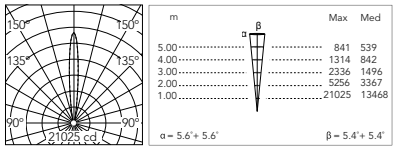
Fuente LED incluida. Fuente de alimentación eléctrica remota 24V dc ON/OFF integrada. Orientación en el eje vertical: máx. 15º. Rotación en el eje horizontal: máx. 359º. Fuente de alimentación remota que hay que alojar en una caja de registro, dotada de una sección de cable que sobresale 400 mm con conector a rosca M12 que garantiza la estanqueidad de la luminaria y de una sección de cable de 250 mm para la conexión a la línea eléctrica. Vidrio transparente extraclaro.

2200K disponible bajo pedido.

## Optic Spot 10º

**Power Led:** 21W - 1932 lm ≠ OUTPUT 1478 lm - 2700K/CRI 80 - 220÷240V / 21W - 2070 lm ≠ OUTPUT 1584 lm - 3000K/CRI 80 - 220÷240V / 21W - 2139 lm ≠ OUTPUT 1636 lm - 4000K/CRI 80 - 220÷240V

| 2700K | 3000K | 4000K |
|---|---|---|
| Non Dimmable | Non Dimmable | Non Dimmable |
| FA53405756 | FA53402156 | FA53402056 |
| 1-10V | 1-10V | 1-10V |
| FA53405756-310 | FA53402156-310 | FA53402056-310 |
| Dali | Dali | Dali |
| FA53405756-300 | FA53402156-300 | FA53402056-300 |

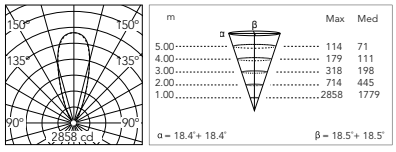



@ 3000K

## Optic Medium 35º

**Power Led:** 21W - 1932 lm ≠ OUTPUT 1361 lm - 2700K/CRI 80 - 220÷240V / 21W - 2070 lm ≠ OUTPUT 1458 lm - 3000K/CRI 80 - 220÷240V / 21W - 2139 lm ≠ OUTPUT 1507 lm - 4000K/CRI 80 - 220÷240V

| 2700K | 3000K | 4000K |
|---|---|---|
| Non Dimmable | Non Dimmable | Non Dimmable |
| FA53405856 | FA53402456 | FA53402356 |
| 1-10V | 1-10V | 1-10V |
| FA53405856-310 | FA53402456-310 | FA53402356-310 |
| Dali | Dali | Dali |
| FA53405856-300 | FA53402456-300 | FA53402356-300 |

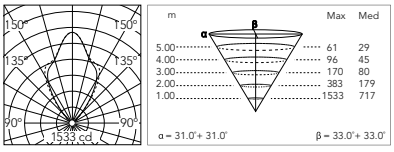



@ 3000K

## Optic Flood 70º

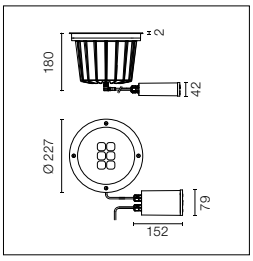
**Power Led:** 21W - 1932 lm ≠ OUTPUT 1459 lm - 2700K/CRI 80 - 220÷240V / 21W - 2070 lm ≠ OUTPUT 1563 lm - 3000K/CRI 80 - 220÷240V / 21W - 2139 lm ≠ OUTPUT 1615 lm - 4000K/CRI 80 - 220÷240V

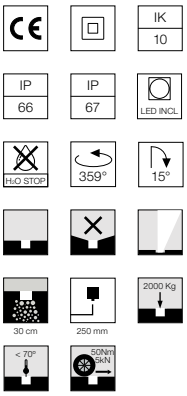
| 2700K | 3000K | 4000K |
|---|---|---|
| Non Dimmable | Non Dimmable | Non Dimmable |
| FA53405956 | FA53402756 | FA53402656 |
| 1-10V | 1-10V | 1-10V |
| FA53405956-310 | FA53402756-310 | FA53402656-310 |
| Dali | Dali | Dali |
| FA53405956-300 | FA53402756-300 | FA53402656-300 |




@ 3000K

## A-Rise 225 Wall Washer




LED light source included. Integrated 24V dc ON/OFF remote electric power supply. Adjustment on vertical axis: 15º max. Rotation on horizontal axis: 359º max. Remote power supply that must be placed in a junction box, equipped with a protruding, 400 mm cable with an M12 screw-on connector that guarantees the water tightness of the luminaire, and with a 250 mm cable for the connection to the power line.
Extra clear transparent glass.

2200K available on request.

Fuente LED incluida. Fuente de alimentación eléctrica remota 24V dc ON/OFF integrada. Orientación en el eje vertical: máx. 15º. Rotación en el eje horizontal: máx. 359º. Fuente de alimentación remota que hay que alojar en una caja de registro, dotada de una sección de cable que sobresale 400 mm con conector a rosca M12 que garantiza la estanqueidad de la luminaria y de una sección de cable de 250 mm para la conexión a la línea eléctrica. Vidrio transparente extraclaro.

2200K disponible bajo pedido.

**Optic Asymmetric 54°x 66°**

**Power Led:** 21W - 1932 lm ≠ OUTPUT 1420 lm - 2700K/CRI 80 - 220÷240V / 21W - 2070 lm ≠ OUTPUT 1521 lm - 3000K/CRI 80 - 220÷240V / 21W - 2139 lm ≠ OUTPUT 1572 lm - 4000K/CRI 80 - 220÷240V

**2700K**
Non Dimmable
- FA53406056

1-10V
- FA53406056-310

Dali
- FA53406056-300

**3000K**
Non Dimmable
- FA53403056

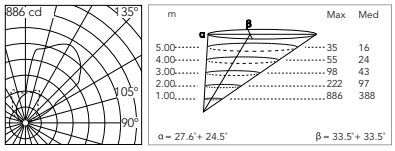
1-10V
- FA53403056-310

Dali
- FA53403056-300

**4000K**
Non Dimmable
- FA53402956

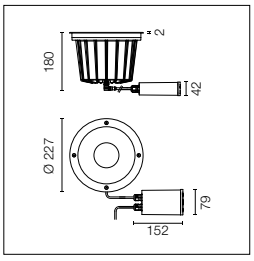
1-10V
- FA53402956-310

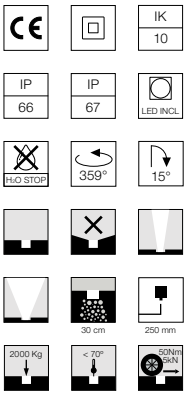
Dali
- FA53402956-300




@ 3000K

## A-Rise 225 High Emission




LED light source included. Integrated 24V dc ON/OFF remote electric power supply. Adjustment on vertical axis: 15º max. Rotation on horizontal axis: 359º max. Remote power supply that must be placed in a junction box, equipped with a protruding, 400 mm cable with an M12 screw-on connector that guarantees the water tightness of the luminaire, and with a 250 mm cable for the connection to the power line.
Extra clear transparent glass.

Fuente LED incluida. Fuente de alimentación eléctrica remota 24V dc ON/OFF integrada. Orientación en el eje vertical: máx. 15º. Rotación en el eje horizontal: máx. 359º. Fuente de alimentación remota que hay que alojar en una caja de registro, dotada de una sección de cable que sobresale 400 mm con conector a rosca M12 que garantiza la estanqueidad de la luminaria y de una sección de cable de 250 mm para la conexión a la línea eléctrica. Vidrio transparente extraclaro.

**Optic Spot 16º**

**CoB Led:** 21W - 2246 lm ≠ OUTPUT 1739 lm - 2700K/CRI 80 - 220÷240V / 21W - 2415 lm ≠ OUTPUT 1870 lm - 3000K/CRI 80 - 220÷240V / 21W - 2533 lm ≠ OUTPUT 1961 lm - 4000K/CRI 80 - 220÷240V

**2700K**
Non Dimmable
- FA53406156.A

1-10V
- FA53406156-310.A

Dali
- FA53406156-300.B

**3000K**
Non Dimmable
- FA53403256.A

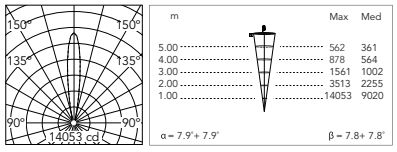
1-10V
- FA53403256-310.A

Dali
- FA53403256-300.B

**4000K**
Non Dimmable
- FA53403156.A

1-10V
- FA53403156-310.A

Dali
- FA53403156-300.B




@ 3000K

**Optic Medium 40º**

**CoB Led:** 21W - 2246 lm ≠ OUTPUT 1673 lm - 2700K/CRI 80 - 220÷240V / 21W - 2415 lm ≠ OUTPUT 1799 lm - 3000K/CRI 80 - 220÷240V / 21W - 2533 lm ≠ OUTPUT 1886 lm - 4000K/CRI 80 - 220÷240V

**2700K**
Non Dimmable
- FA53406256.A

1-10V
- FA53406256-310.A

Dali
- FA53406256-300.B

**3000K**
Non Dimmable
- FA53403456.A

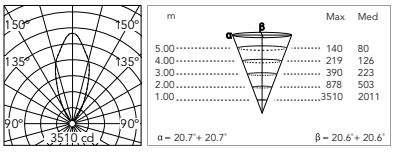
1-10V
- FA53403456-310.A

Dali
- FA53403456-300.B

**4000K**
Non Dimmable
- FA53403356.A

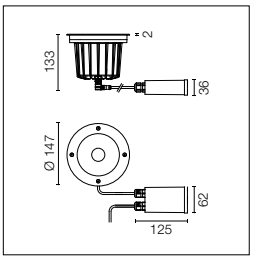
1-10V
- FA53403356-310.A

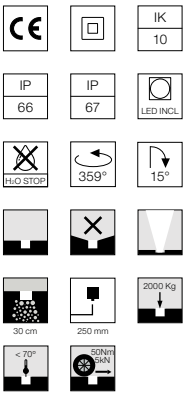
Dali
- FA53403356-300.B




@ 3000K

# A-Rise 145



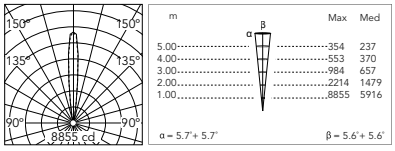

LED light source included. Integrated 24V dc ON/OFF remote electric power supply. Adjustment on vertical axis: 15º max. Rotation on horizontal axis: 359º max. Remote power supply that must be placed in a junction box, equipped with a protruding, 400 mm cable with an M12 screw-on connector that guarantees the water tightness of the luminaire, and with a 250 mm cable for the connection to the power line.
Extra clear transparent glass. Adjustable light intensity version available upon request.

Fuente LED incluida. Fuente de alimentación eléctrica remota 24V dc ON/OFF integrada. Orientación en el eje vertical: máx. 15º. Rotación en el eje horizontal: máx. 359º. Fuente de alimentación remota que hay que alojar en una caja de registro, dotada de una sección de cable que sobresale 400 mm con conector a rosca M12 que garantiza la estanqueidad de la luminaria y de una sección de cable de 250 mm para la conexión a la línea eléctrica. Vidrio transparente extraclaro. Versión con intensidad regulable disponible bajo pedido.

### Optic Spot 10º

**Power Led:** 8W - 509 lm ≠ OUTPUT 451 lm - 2700K/CRI 80 - 220÷240V / 8W - 547 lm ≠ OUTPUT 485 lm - 3000K/CRI 80 - 220÷240V / 8W - 630 lm ≠ OUTPUT 558 lm - 4000K/CRI 80 - 220÷240V

| 2700K | 3000K | 4000K |
|---|---|---|
| FA53405156 | FA53400356 | FA53400256 |

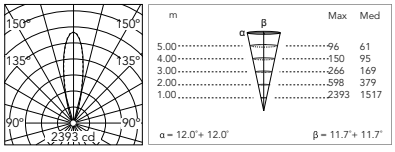



@ 3000K

### Optic Medium 24º

**Power Led:** 8W - 509 lm ≠ OUTPUT 472 lm - 2700K/CRI 80 - 220÷240V / 8W - 547 lm ≠ OUTPUT 507 lm - 3000K/CRI 80 - 220÷240V / 8W - 630 lm ≠ OUTPUT 583 lm - 4000K/CRI 80 - 220÷240V

| 2700K | 3000K | 4000K |
|---|---|---|
| FA53405256.A | FA53400656.A | FA53400556.A |

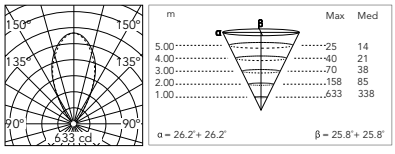



@ 3000K

### Optic Flood 50º

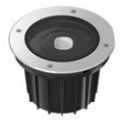
**Power Led:** 8W - 509 lm ≠ OUTPUT 433 lm - 2700K/CRI 80 - 220÷240V / 8W - 547 lm ≠ OUTPUT 466 lm - 3000K/CRI 80 - 220÷240V / 8W - 630 lm ≠ OUTPUT 536 lm - 4000K/CRI 80 - 220÷240V

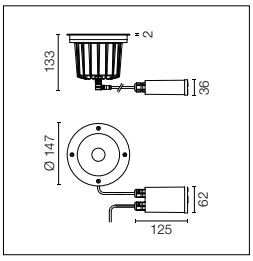
| 2700K | 3000K | 4000K |
|---|---|---|
| FA53405356.A | FA53400956.A | FA53400856.A |

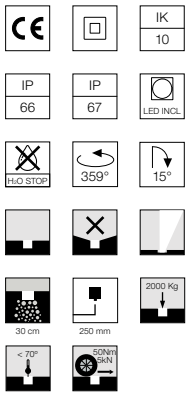



@ 3000K

## A-Rise 145 Wall Washer






LED light source included. Integrated 24V dc ON/OFF remote electric power supply. Adjustment on vertical axis: 15º max. Rotation on horizontal axis: 359º max. Remote power supply that must be placed in a junction box, equipped with a protruding, 400 mm cable with an M12 screw-on connector that guarantees the water tightness of the luminaire, and with a 250 mm cable for the connection to the power line.
Extra clear transparent glass.
Adjustable light intensity version available upon request.

Fuente LED incluida. Fuente de alimentación eléctrica remota 24V dc ON/OFF integrada. Orientación en el eje vertical: máx. 15º. Rotación en el eje horizontal: máx. 359º. Fuente de alimentación remota que hay que alojar en una caja de registro, dotada de una sección de cable que sobresale 400 mm con conector a rosca M12 que garantiza la estanqueidad de la luminaria y de una sección de cable de 250 mm para la conexión a la línea eléctrica. Vidrio transparente extraclaro. Versión con intensidad regulable disponible bajo pedido.

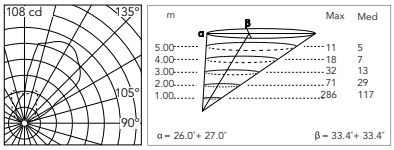
**Optic Asymmetric 54°x 66°**

**Power Led:** 8W - 509 lm ≠ OUTPUT 413 lm - 2700K/CRI 80 - 220÷240V / 8W - 547 lm ≠ OUTPUT 444 lm - 3000K/CRI 80 - 220÷240V / 8W - 630 lm ≠ OUTPUT 511 lm - 4000K/CRI 80 - 220÷240V

**2700K**
- FA53405456.A

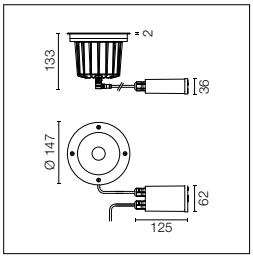
**3000K**
- FA53401256.A

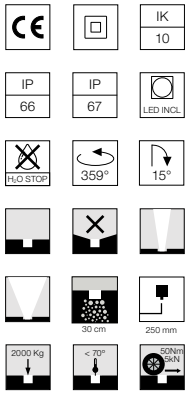
**4000K**
- FA53401156.A




@ 3000K

## A-Rise 145 High Emission




LED light source included. Integrated 24V dc ON/OFF remote electric power supply. Adjustment on vertical axis: 15º max. Rotation on horizontal axis: 359º max. Remote power supply that must be placed in a junction box, equipped with a protruding, 400 mm cable with an M12 screw-on connector that guarantees the water tightness of the luminaire, and with a 250 mm cable for the connection to the power line.
Extra clear transparent glass.
Adjustable light intensity version available upon request.

Fuente LED incluida. Fuente de alimentación eléctrica remota 24V dc ON/OFF integrada. Orientación en el eje vertical: máx. 15º. Rotación en el eje horizontal: máx. 359º. Fuente de alimentación remota que hay que alojar en una caja de registro, dotada de una sección de cable que sobresale 400 mm con conector a rosca M12 que garantiza la estanqueidad de la luminaria y de una sección de cable de 250 mm para la conexión a la línea eléctrica. Vidrio transparente extraclaro. Versión con intensidad regulable disponible bajo pedido.

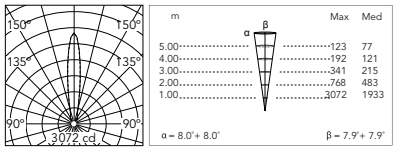
**Optic Spot 16º**

**CoB Led:** 9W - 857 lm ≠ OUTPUT 518 lm - 2700K/CRI 80 - 220÷240V / 9W - 922 lm ≠ OUTPUT 557 lm - 3000K/CRI 80 - 220÷240V / 9W - 959 lm ≠ OUTPUT 579 lm - 4000K/CRI 80 - 220÷240V

**2700K**
- FA53405556

**3000K**
- FA53401556

**4000K**
- FA53401456




@ 3000K

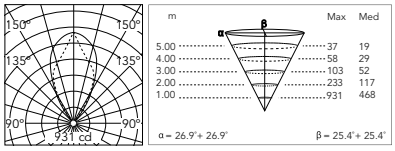
**Optic Flood 50º**

**CoB Led:** 9W - 857 lm ≠ OUTPUT 545 lm - 2700K/CRI 80 - 220÷240V / 9W - 922 lm ≠ OUTPUT 586 lm - 3000K/CRI 80 - 220÷240V / 9W - 959 lm ≠ OUTPUT 610 lm - 4000K/CRI 80 - 220÷240V

**2700K**
- FA53405656

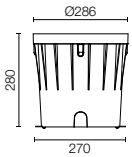
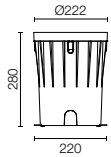
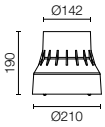
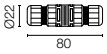
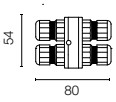
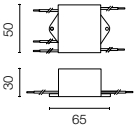
**3000K**
- FA53401856

**4000K**
- FA53401756

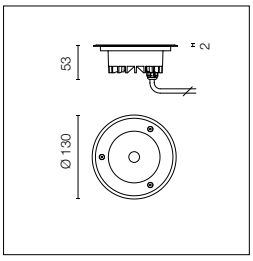


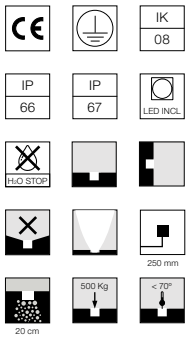

@ 3000K

## A-Rise: Accessories / Accesorios

| | | | | |
|---|---|---|---|---|
| Box for installation. | Encofrado. | A-Rise 290<br>F4599000 | |  |
| Box for installation. | Encofrado. | A-Rise 225<br>F4598000 | |  |
| Box for installation. | Encofrado. | A-Rise 145<br>F4597000 | |  |
| 2 way terminal block 4 poles IP68 $H_2O$ Stop. (ø5,5÷12mm cable). | Bloque de terminales IP68 $H_2O$ Stop anticondensación con 2 vías y 4 polos. (Cable ø5,5÷12 mm). | F990C00A000 | |  |
| 3/4 way terminal block 4 poles IP68 $H_2O$ Stop. (ø5,5÷12mm cable). | Bloque de terminales IP68 $H_2O$ Stop anticondensación con 3/4 vías y 4 polos. (Cable ø5,5÷12 mm). | F990C010000 | |  |
| Surge protection device. 275Vac. Maximum discharge current 10KA (8/20µs). Maximum operating current 5A. Suitable for series connection. IP66. | Dispositivo de protección contra sobrecargas. 275 Vac. Corriente de descarga máxima 10KA (8/20µs). Corriente máxima de funcionamiento 5A. Apta para conexión en serie. IP66. | F990E00A000 | |  |

## A-Rise 130 HP




Mains voltage LED light source included. Requires a junction box to be ordered separately. The luminaire is equipped with a protruding, neoprene, 250 mm cable with an integrated 2-way, 3-pole H2O STOP connection system guaranteeing the water tightness of the connection. Frosted glass.

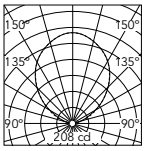
Fuente LED incluida a tensión de red. Es necesaria la caja de registro que se debe pedir por separado. Dotada de una sección de cable de neopreno de 250 mm que sobresale, con sistema de unión integrado H2O STOP a 2 vías y 3 polos que garantiza la estanqueidad de la conexión. Vidrio esmerilado.

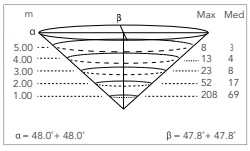
**Optic Wide Flood 96º**

**Mid-Power Led:** 7W - 525 lm ≠ OUTPUT 453 lm - 3000K/CRI 80 - 220-230V / 7W - 555 lm ≠ OUTPUT 479 lm - 4000K/CRI 80 - 220-230V

**3000K**
- FA53000356.A

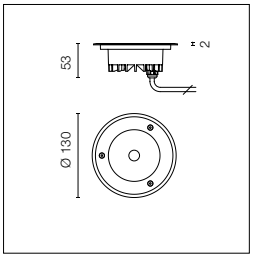
**4000K**
- FA53000256.A

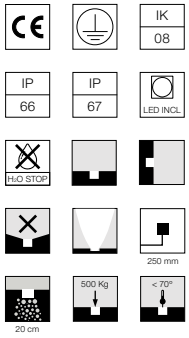



@ 4000K

## A-Rise 130




Mains voltage LED light source included. Requires a junction box to be ordered separately. The luminaire is equipped with a protruding, neoprene, 250 mm cable with an integrated 2-way, 3-pole H2O STOP connection system guaranteeing the water tightness of the connection. Frosted glass.

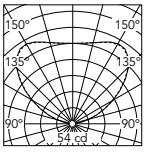
Fuente LED incluida a tensión de red. Es necesaria la caja de registro que se debe pedir por separado. Dotada de una sección de cable de neopreno de 250 mm que sobresale, con sistema de unión integrado H2O STOP a 2 vías y 3 polos que garantiza la estanqueidad de la conexión. Vidrio esmerilado.

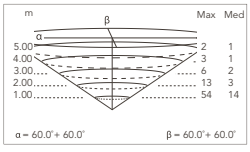
**Optic Wide Flood 120º**

**Mid-Power Led:** 4W - 380 lm ≠ OUTPUT 189 lm - 3000K/CRI 80 - 220.230V / 4W - 400 lm ≠ OUTPUT 199 lm - 4000K/CRI 80 - 220.230V

**3000K**
- FA53000856.A

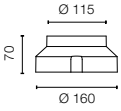
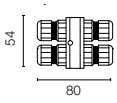
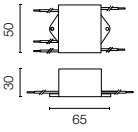
**4000K**
- FA53000756.A



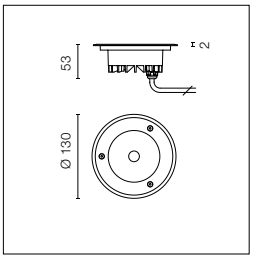



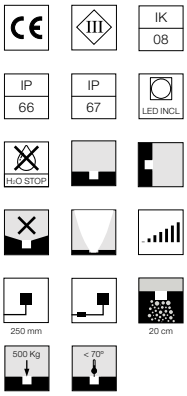

@ 4000K

## A-Rise 130: Accessories / Accesorios

| | | | | |
|---|---|---|---|---|
| Box for installation. | Encofrado. | FA50 | |   |
| 3/4 way terminal block 4 poles IP68 H2O Stop. (ø5,5÷12mm cable). | Bloque de terminales IP68 H2O Stop anticondensación con 3/4 vías y 4 polos. (Cable ø5,5÷12 mm). | F990C010000 | |   |
| Surge protection device. 275Vac. Maximum discharge current 10KA (8/20us). Maximum operating current 5A. Suitable for series connection. IP66. | Dispositivo de protección contra sobrecargas. 275 Vac. Corriente de descarga máxima 10KA (8/20us). Corriente máxima de funcionamiento 5A. Apta para conexión en serie. IP66. | F990E00A000 | |   |

## A-Rise 130 HP Low Voltage




LED light source included. 24V remote electric power supply to be ordered separately, ON/OFF and adjustable light intensity from 1 to 10V or DALI. Requires a junction box to be ordered separately. The luminaire is equipped with a protruding, neoprene, 250 mm cable with an integrated H2O STOP connection system and a wiring kit with crimp connectors and adhesive heat-shrink tubing guaranteeing the water tightness of the connection. Frosted glass.

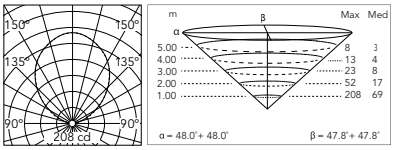
Fuente LED incluida. Fuente de alimentación eléctrica remota 24V que se debe pedir por separado, ON/OFF e intensidad regulable entre 1 y 10V o DALI. Es necesaria la caja de registro que se debe pedir por separado. Dotada de una sección de cable de neopreno que sobresale 250 mm con sistema de unión integrado H2O STOP y kit con conectores crimpables y fundas termoretráctiles adhesivas que garantizan la estanqueidad de la conexión. Vidrio esmerilado.

**Optic Wide Flood 96º**

**Mid-Power Led:** 7,3W - 707 lm ≠ OUTPUT 380 lm - 3000K/CRI 80 - 24Vdc / 7,3W - 734 lm ≠ OUTPUT 394 lm - 4000K/CRI 80 - 24Vdc

**3000K**
Dimmable
- FA53000656

**4000K**
Dimmable
- FA53000556




@ 4000K

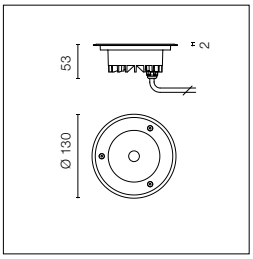
* Max fixtures for each power supply / Número máximo de luminarias por fuente de alimentación.

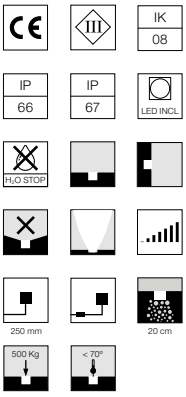
Max fixtures for each power supply (Vin 220÷240). Data in the chart are provided as a guide only. Please verify according to your installation.

Número máximo de luminarias por fuente de alimentación (220÷240 V). Estos datos deben ser comprobados teniendo en cuenta las condiciones específicas de instalación.

| | | | |
|---|---|---|---|
| Acc. RF25747 | 1 | Acc. RF25752 | 2 |
| Acc. RF25757 | 1 | Acc. F990B28A000 | 7 |
| Acc. RF25750 | 2 | Acc. F990B27A000 | 9 |
| Acc. F990B21A000 | 2 | Acc. F990B29A000 | 12 |
| Acc. RF26387.A | 2 | | |

## A-Rise 130 Low Voltage




LED light source included. 24V remote electric power supply to be ordered separately, ON/OFF and adjustable light intensity from 1 to 10V or DALI. Requires a junction box to be ordered separately. The luminaire is equipped with a protruding, neoprene, 250 mm cable with an integrated H2O STOP connection system and a wiring kit with crimp connectors and adhesive heat-shrink tubing guaranteeing the water tightness of the connection. Frosted glass.

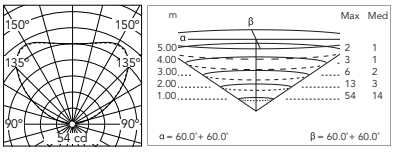
Fuente LED incluida. Fuente de alimentación eléctrica remota 24V que se debe pedir por separado, ON/OFF e intensidad regulable entre 1 y 10V o DALI. Es necesaria la caja de registro que se debe pedir por separado. Dotada de una sección de cable de neopreno que sobresale 250 mm con sistema de unión integrado H2O STOP y kit con conectores crimpables y fundas termoretráctiles adhesivas que garantizan la estanqueidad de la conexión. Vidrio esmerilado.

**Optic Wide Flood 120º**

**Mid-Power Led:** 4W - 360 lm ≠ OUTPUT 190 lm - 3000K/CRI 80 - 24Vdc / 4W - 380 lm ≠ OUTPUT 200 lm - 4000K/CRI 80 - 24Vdc

**3000K**
Dimmable
- FA53001056

**4000K**
Dimmable
- FA53000956




@ 4000K

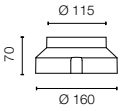
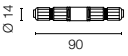
* Max fixtures for each power supply / Número máximo de luminarias por fuente de alimentación.

Max fixtures for each power supply (Vin 220÷240). Data in the chart are provided as a guide only. Please verify according to your installation.

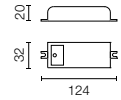
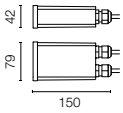
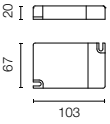
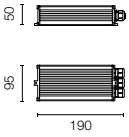
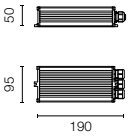
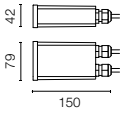
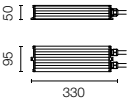
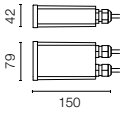
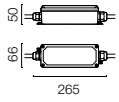
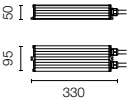
Número máximo de luminarias por fuente de alimentación (220÷240 V). Estos datos deben ser comprobados teniendo en cuenta las condiciones específicas de instalación.

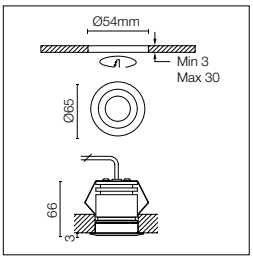
| | | | |
|---|---|---|---|
| Acc. RF25747 | 2 | Acc. RF25752 | 4 |
| Acc. RF25757 | 2 | Acc. F990B28A000 | 12 |
| Acc. RF25750 | 4 | Acc. F990B27A000 | 16 |
| Acc. F990B21A000 | 4 | Acc. F990B29A000 | 21 |
| Acc. RF26387.A | 4 | | |

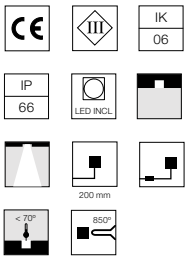
## A-Rise 130 Low Voltage: Accessories / Accesorios

| | | | | |
|---|---|---|---|---|
| Box for installation. | Encofrado. | FA50 | |   |
| 2 way terminal block 2 poles IP68. (Ø4÷6,9mm cable).<br><br>It can't be placed in the recessed box for installation. | Bloque de terminales IP68 con 2 vías y 2 polos. (Cable Ø4÷6,9mm).<br><br>No se puede alojar en la caja para empotrar. | F990C050000 | |   |

## A-Rise 130 Low Voltage: Drivers / Equipos

| | | | | |
|---|---|---|---|---|
| Power supply 24V 10W /110-240V IP20 Class II selv. | Transformador 24V 10W / 110-240V IP20 Clase II selv. | *RF25747 | |   |
| Power supply 24V 10W / 110-240V IP67 Class II selv. | Transformador 24V 10W / 110-240V IP67 Clase II selv. | *RF25757 | |   |
| Power supply for remote installation 24Vdc 17W / 110-240V (15W@110V) IP20 Class II selv. | Transformador para instalación remota 24Vdc 17W / 110-240V (15W@110V) IP20 Clase II selv. | *RF25750<br>Dimmable Push-Dim Or 1-10V<br>See Wiring Diagram n.4. page 876. | |   |
| Power supply 17W/110÷240V - 24Vdc (15W@110V) IP67 Class II Selv. | Transformador 17W/110÷240V - 24Vdc (15W@110V) IP67 Clase II Selv. | *F990B21A000<br>Dimmable Push-Dim Or 1-10V<br>See Wiring Diagram n.4. page 876. | |   |
| Power supply for remote installation 24Vdc 20W / 110-240Vdc (15W@110V) IP67 Class II selv. | Transformador para instalación remota 24Vdc 20W / 110-240Vdc (15W@110V) IP67 Clase II selv. | *RF26387.A<br>Dimmable DALI<br>See Wiring Diagram n.4. page 876. | |   |
| Power supply for remote installation 24Vdc 20W / 220-240V IP67 Class II selv. | Transformador para instalación remota 24Vdc 20W / 220-240V IP67 Clase II selv. | *RF25752 | |   |
| Power supply for remote installation 24Vdc 50W / 120-240V IP67 Class II selv. | Transformador para instalación remota 24Vdc 50W / 120-240V IP67 Clase II selv. | *F990B28A000 | |   |
| Power supply 24Vdc 35W / 120-270V IP67 Class II selv. | Fuente de alimentación 24Vdc 35W / 120-270V IP67 Clase II selv. | F990B23AZ00 | |   |
| Power supply for remote installation 24Vdc 70W / 220-240V IP67 Class II selv. | Transformador para instalación remota 24Vdc 70W / 220-240V IP67 Clase II selv. | *F990B27A000 | |   |
| Power supply for remote installation 24Vdc 96W / 120-240V IP67 Class II selv. | Transformador para instalación remota 24Vdc 96W / 120-240V IP67 Clase II selv. | *F990B29A000 | |   |




LED source included. 24V dc remote electric power supply to be ordered separately. Includes a spring for plasterboard installations. The luminaire is equipped with a protruding, neoprene, 200 mm cable and a wiring kit with crimp connectors and adhesive heat-shrink tubing guaranteeing the water tightness of the connection. Transparent polycarbonate diffuser. Adjustable light intensity version available upon request.

2200K available on request.

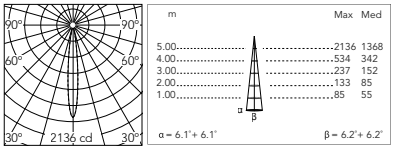
Fuente LED incluida. Fuente de alimentación eléctrica remota 24V dc que se debe pedir por separado. Completo de muelle para la instalación en pladur. Dotada de una sección de cable de neopreno que sobresale 200 mm y kit con conectores de crimpables y fundas termoretráctiles adhesivas que garantizan la estanqueidad de la conexión. Difusor de policarbonato transparente. Versión con intensidad regulable disponible bajo pedido.

2200K disponible bajo pedido.

**Optic Spot 10º**

**Power Led:** 3,4W - 199 lm ≠ OUTPUT 138 lm - 2700K/CRI 80 - 24Vdc / 3,4W - 215 lm ≠ OUTPUT 149 lm - 3000K/CRI 80 - 24Vdc / 3,4W - 224 lm ≠ OUTPUT 155 lm - 4000K/CRI 80 - 24Vdc

| 2700K | 3000K | 4000K |
|---|---|---|
| FA51820556 | FA51800656 | FA51800556 |

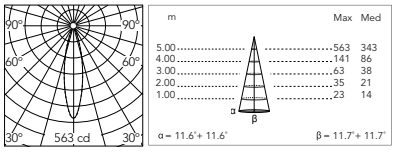



@ 3000K

**Optic Medium 30º**

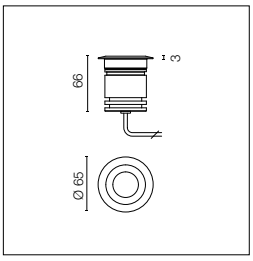
**Power Led:** 3,4W - 199 lm ≠ OUTPUT 121 lm - 2700K/CRI 80 - 24Vdc / 3,4W - 215 lm ≠ OUTPUT 131 lm - 3000K/CRI 80 - 24Vdc / 3,4W - 224 lm ≠ OUTPUT 136 lm - 4000K/CRI 80 - 24Vdc

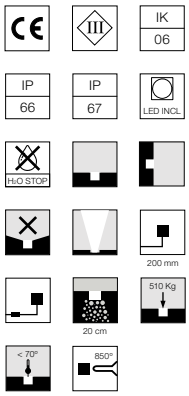
| 2700K | 3000K | 4000K |
|---|---|---|
| FA51820856 | FA51800956 | FA51800856 |




@ 3000K

## A-Rise 65




LED source included. 24V dc remote electric power supply to be ordered separately. Requires a junction box to be ordered separately. The luminaire is equipped with a protruding, neoprene, 200 mm cable with an integrated H2O STOP connection system and a wiring kit with crimp connectors and adhesive heat-shrink tubing guaranteeing the water tightness of the connection. Transparent polycarbonate diffuser. Adjustable light intensity version available upon request.

2200K available on request.

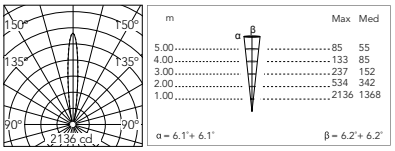
Fuente LED incluida. Fuente de alimentación eléctrica remota 24V dc que se debe pedir por separado. Es necesaria la caja de registro que se debe pedir por separado. Dotada de una sección de cable de neopreno que sobresale 200 mm con sistema de unión integrado H2O STOP y kit con conectores crimpables y fundas termoretráctiles adhesivas que garantizan la estanqueidad de la conexión. Difusor de policarbonato transparente. Versión con intensidad regulable bajo pedido.

2200K disponible bajo pedido.

### Optic Spot 10º

**Power Led:** 3,4W - 199 lm ≠ OUTPUT 138 lm - 2700K/CRI 80 - 24Vdc / 3,4W - 215 lm ≠ OUTPUT 149 lm - 3000K/CRI 80 - 24Vdc / 3,4W - 224 lm ≠ OUTPUT 155 lm - 4000K/CRI 80 - 24Vdc

| 2700K | 3000K | 4000K |
|---|---|---|
| FA51820256 | FA51800356 | FA51800256 |

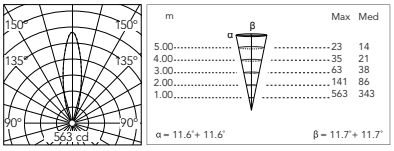



@ 3000K

### Optic Medium 30º

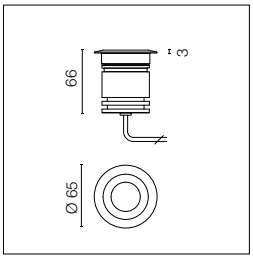
**Power Led:** 3,4W - 199 lm ≠ OUTPUT 121 lm - 2700K/CRI 80 - 24Vdc / 3,4W - 215 lm ≠ OUTPUT 131 lm - 3000K/CRI 80 - 24Vdc / 3,4W - 224 lm ≠ OUTPUT 136 lm - 4000K/CRI 80 - 24Vdc

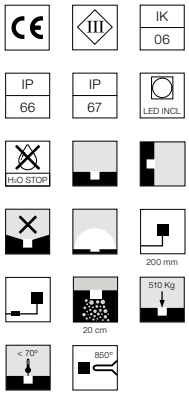
| 2700K | 3000K | 4000K |
|---|---|---|
| FA51821256 | FA51801356 | FA51801256 |




@ 3000K

## A-Rise 65 Opal




LED light source included. 24V dc remote electric power supply to be ordered separately. Requires a junction box to be ordered separately. The luminaire is equipped with a protruding, neoprene, 200 mm cable and a wiring kit with crimp connectors and adhesive heat-shrink tubing guaranteeing the water tightness of the connection. Opal polycarbonate diffuser. Adjustable light intensity version available upon request.

2200K available on request.

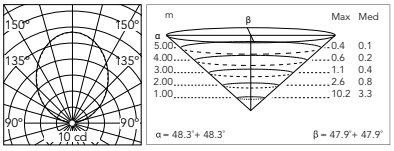
Fuente LED incluida. Fuente de alimentación eléctrica remota 24V dc a pedir por separado. Es necesaria la caja de regitro que hay que pedir por separado. Dotada de una sección de cable de neopreno que sobresale de 200 mm y kit con conectores crimpables y fundas termoretráctiles adhesivas que garantizan la estanqueidad de la conexión. Difusor de policarbonato opal. Versión con intensidad regulable disponible bajo pedido.

2200K disponible bajo pedido.

### Optic Wide Flood 100º

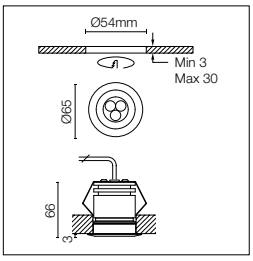
**Power Led:** 3,4W - 169 lm ≠ OUTPUT 20 lm - 2700K/CRI 80 - 24Vdc / 3,4W - 182 lm ≠ OUTPUT 22 lm - 3000K/CRI 80 - 24Vdc / 3,4W - 198 lm ≠ OUTPUT 24 lm - 4000K/CRI 80 - 24Vdc

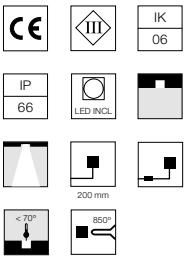
| 2700K | 3000K | 4000K |
|---|---|---|
| FA51823456 | FA51803556 | FA51803456 |




@ 4000K

## A-Rise 65 HP Ceiling




LED source included. 24V dc remote electric power supply to be ordered separately. Includes a spring for plasterboard installations. The luminaire is equipped with a protruding, neoprene, 200 mm cable and a wiring kit with crimp connectors and adhesive heat-shrink tubing guaranteeing the water tightness of the connection. Transparent polycarbonate diffuser. Adjustable light intensity version available upon request.

2200K available on request.

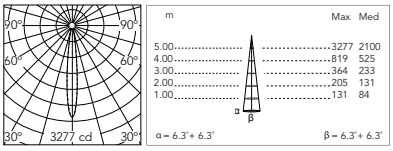
Fuente LED incluida. Fuente de alimentación eléctrica remota 24V dc que se debe pedir por separado. Completo de muelle para la instalación en pladur. Dotada de una sección de cable de neopreno que sobresale 200 mm y kit con conectores de crimpables y fundas termoretráctiles adhesivas que garantizan la estanqueidad de la conexión. Difusor de policarbonato transparente. Versión con intensidad regulable disponible bajo pedido.

2200K disponible bajo pedido.

**Optic Spot 10º**

**Power Led:** 4,5W - 331 lm ≠ OUTPUT 246 lm - 2700K/CRI 80 - 24Vdc / 4,5W - 359 lm ≠ OUTPUT 267 lm - 3000K/CRI 80 - 24Vdc / 4,5W - 373 lm ≠ OUTPUT 277 lm - 4000K/CRI 80 - 24Vdc

| 2700K | 3000K | 4000K |
|---|---|---|
| FA51821556 | FA51801656 | FA51801556 |

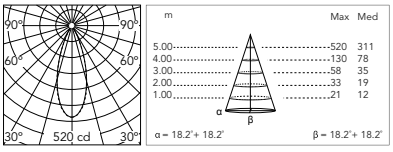



@ 3000K

**Optic Medium 30º**

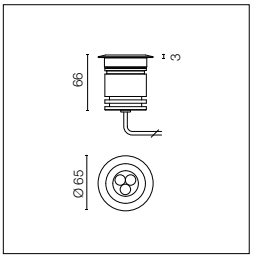
**Power Led:** 4,5W - 331 lm ≠ OUTPUT 218 lm - 2700K/CRI 80 - 24Vdc / 4,5W - 359 lm ≠ OUTPUT 236 lm - 3000K/CRI 80 - 24Vdc / 4,5W - 373 lm ≠ OUTPUT 245 lm - 4000K/CRI 80 - 24Vdc

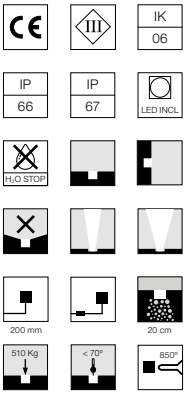
| 2700K | 3000K | 4000K |
|---|---|---|
| FA51822556 | FA51802656 | FA51802556 |




@ 3000K

## A-Rise 65 HP




LED source included. 24V dc remote electric power supply to be ordered separately. Requires a junction box to be ordered separately. The luminaire is equipped with a protruding, neoprene, 200 mm cable with an integrated H2O STOP connection system and a wiring kit with crimp connectors and adhesive heat-shrink tubing guaranteeing the water tightness of the connection. Transparent polycarbonate diffuser. Adjustable light intensity version available upon request.

2200K available on request.

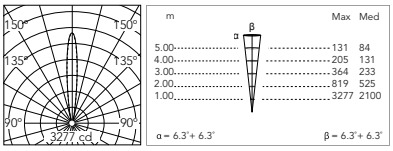
Fuente LED incluida. Fuente de alimentación eléctrica remota 24V dc que se debe pedir por separado. Es necesaria la caja de registro que se debe pedir por separado. Dotada de una sección de cable de neopreno que sobresale 200 mm con sistema de unión integrado H2O STOP y kit con conectores crimpables y fundas termoretráctiles adhesivas que garantizan la estanqueidad de la conexión. Difusor de policarbonato transparente. Versión con intensidad regulable bajo pedido.

2200K disponible bajo pedido.

**Optic Spot 10º**

**Power Led:** 4,5W - 331 lm ≠ OUTPUT 246 lm - 2700K/CRI 80 - 24Vdc / 4,5W - 359 lm ≠ OUTPUT 267 lm - 3000K/CRI 80 - 24Vdc / 4,5W - 373 lm ≠ OUTPUT 277 lm - 4000K/CRI 80 - 24Vdc

| 2700K | 3000K | 4000K |
|---|---|---|
| FA51822256 | FA51802356 | FA51802256 |

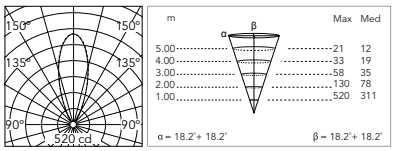



@ 3000K

**Optic Medium 30º**

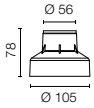
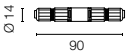
**Power Led:** 4,5W - 331 lm ≠ OUTPUT 218 lm - 2700K/CRI 80 - 24Vdc / 4,5W - 359 lm ≠ OUTPUT 236 lm - 3000K/CRI 80 - 24Vdc / 4,5W - 373 lm ≠ OUTPUT 245 lm - 4000K/CRI 80 - 24Vdc

| 2700K | 3000K | 4000K |
|---|---|---|
| FA51823256 | FA51803356 | FA51803256 |

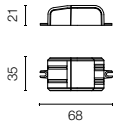
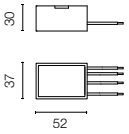
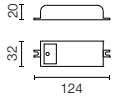
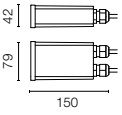
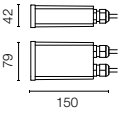
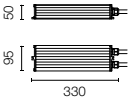
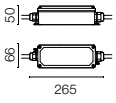



@ 3000K

## A-Rise 65: Accessories / Accesorios

| | | | | |
|---|---|---|---|---|
| Box for installation. | Encofrado. | F004Z0K0000 | |   |
| 2 way terminal block 2 poles IP68. (Ø4÷6,9mm cable).<br><br>It can't be placed in the recessed box for installation. | Bloque de terminales IP68 con 2 vías y 2 polos. (Cable Ø4÷6,9mm).<br><br>No se puede alojar en la caja para empotrar. | F990C050000 | |   |

## A-Rise 65: Drivers 24 Vdc / Equipos 24Vdc

| | | | | |
|---|---|---|---|---|
| Power supply dual function Vout 24Vdc: 8W/100÷240V Iout 350ma: 6x1W/100÷240V IP20 Class II Selv Eq. | Fuente de alimentación con función dual Vout 24Vdc: 8W/100÷240V Iout 350ma: 6x1W/100÷240V IP20 Clase II Selv Eq. | *RF25754 | |   |
| Power supply 24V 8W / 110-240V IP65 Class II selv. | Transformador 24V 8W / 110-240V IP65 Clase II selv. | *RF25748 | |   |
| Power supply for remote installation 24Vdc 10W /110-240V IP20 Class II selv. | Transformador para instalación remota 24Vdc 10W / 110-240V IP20 Clase II selv. | *RF25747 | |   |
| Power supply 24V 10W / 110-240V IP67 Class II selv. | Transformador 24V 10W / 110-240V IP67 Clase II selv. | *RF25757 | |   |
| Power supply 24Vdc 35W / 120-270V IP67 Class II selv. | Fuente de alimentación 24Vdc 35W / 120-270V IP67 Clase II selv. | F990B23AZ00 | |   |
| Power supply for remote installation 24Vdc 50W / 120-240V IP67 Class II selv. | Transformador para instalación remota 24Vdc 50W / 120-240V IP67 Clase II selv. | *F990B28A000 | |   |
| Power supply for remote installation 24Vdc 70W / 220-240V IP67 Class II selv. | Transformador para instalación remota 24Vdc 70W / 220-240V IP67 Clase II selv. | *F990B27A000 | |   |

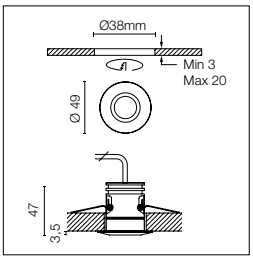
* Max fixtures for each power supply / Número máximo de luminarias por fuente de alimentación.

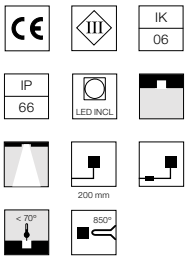
Max fixtures for each power supply (Vin 220÷240). Data in the chart are provided as a guide only. Please verify according to your installation.

Número máximo de luminarias por fuente de alimentación (220÷240 V). Estos datos deben ser comprobados teniendo en cuenta las condiciones específicas de instalación.

| A-RISE 65 | | A-RISE 65 HP | |
|---|---|---|---|
| Acc. RF25754 | 1 | Acc. RF25754 | 1 |
| Acc. RF25748 | 1 | Acc. RF25748 | 1 |
| Acc. RF25747 | 2 | Acc. RF25747 | 2 |
| Acc. RF25757 | 2 | Acc. RF25757 | 2 |
| Acc. F990B28A000 | 9 | Acc. F990B28A000 | 7 |
| Acc. F990B27A000 | 17 | Acc. F990B27A000 | 14 |

## A-Rise 49 Ceiling




LED source included. 24V dc remote electric power supply to be ordered separately. Includes a spring for plasterboard installations. The luminaire is equipped with a protruding, neoprene, 200 mm cable and a wiring kit with crimp connectors and adhesive heat-shrink tubing guaranteeing the water tightness of the connection. Transparent polycarbonate diffuser. Adjustable light intensity version available upon request.

2200K available on request.

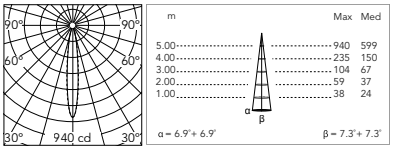
Fuente LED incluida. Fuente de alimentación eléctrica remota 24V dc que se debe pedir por separado. Completo de muelle para la instalación en pladur. Dotada de una sección de cable de neopreno que sobresale 200 mm y kit con conectores de crimpables y fundas termoretráctiles adhesivas que garantizan la estanqueidad de la conexión. Difusor de policarbonato transparente. Versión con intensidad regulable disponible bajo pedido.

2200K disponible bajo pedido.

### Optic Spot 15º

**Power Led:** 2,3W - 144 lm ≠ OUTPUT 106 lm - 2700K/CRI 80 - 12÷24Vdc / 2,3W - 155 lm ≠ OUTPUT 115 lm - 3000K/CRI 80 - 12÷24Vdc / 2,3W - 161 lm ≠ OUTPUT 119 lm - 4000K/CRI 80 - 12÷24Vdc

| 2700K | 3000K | 4000K |
|---|---|---|
| FA51711556 | FA51711356 | FA51711256 |

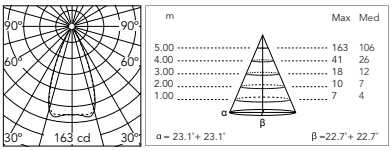



@ 3000K

### Optic Medium 45º

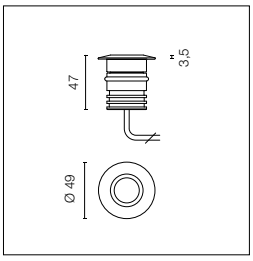
**Power Led:** 2,3W - 144 lm ≠ OUTPUT 97 lm - 2700K/CRI 80 - 12÷24Vdc / 2,3W - 155 lm ≠ OUTPUT 105 lm - 3000K/CRI 80 - 12÷24Vdc / 2,3W - 161 lm ≠ OUTPUT 109 lm - 4000K/CRI 80 - 12÷24Vdc

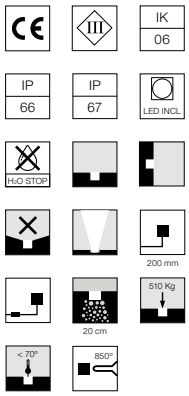
| 2700K | 3000K | 4000K |
|---|---|---|
| FA51712556 | FA51712356 | FA51712256 |




@ 3000K

## A-Rise 49




LED source included. 24V dc remote electric power supply to be ordered separately. Requires a junction box to be ordered separately. The luminaire is equipped with a protruding, neoprene, 200 mm cable with an integrated H2O STOP connection system and a wiring kit with crimp connectors and adhesive heat-shrink tubing guaranteeing the water tightness of the connection. Transparent polycarbonate diffuser. Adjustable light intensity version available upon request.

2200K available on request.

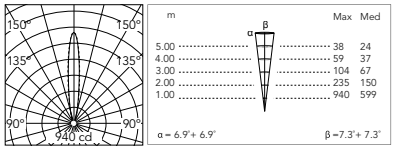
Fuente LED incluida. Fuente de alimentación eléctrica remota 24V dc que se debe pedir por separado. Es necesaria la caja de registro que se debe pedir por separado. Dotada de una sección de cable de neopreno que sobresale 200 mm con sistema de unión integrado H2O STOP y kit con conectores crimpables y fundas termoretráctiles adhesivas que garantizan la estanqueidad de la conexión. Difusor de policarbonato transparente.
Versión con intensidad regulable bajo pedido.

2200K disponible bajo pedido.

**Optic Spot 15º**

**Power Led:** 2,3W - 144 lm ≠ OUTPUT 106 lm - 2700K/CRI 80 - 12÷24Vdc / 2,3W - 155 lm ≠ OUTPUT 115 lm - 3000K/CRI 80 - 12÷24Vdc / 2,3W - 161 lm ≠ OUTPUT 119 lm - 4000K/CRI 80 - 12÷24Vdc

| 2700K | 3000K | 4000K |
|---|---|---|
| FA51700556 | FA51700356 | FA51700256 |

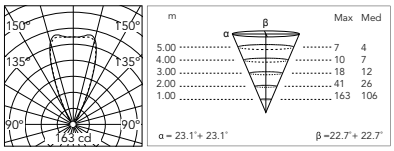



@ 3000K

**Optic Medium 45º**

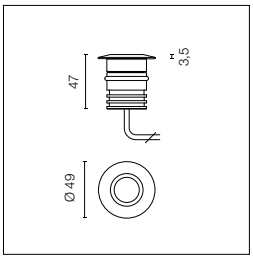
**Power Led:** 2,3W - 144 lm ≠ OUTPUT 97 lm - 2700K/CRI 80 - 12÷24Vdc / 2,3W - 155 lm ≠ OUTPUT 105 lm - 3000K/CRI 80 - 12÷24Vdc / 2,3W - 161 lm ≠ OUTPUT 109 lm - 4000K/CRI 80 - 12÷24Vdc

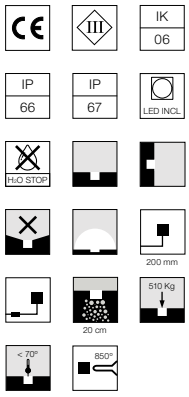
| 2700K | 3000K | 4000K |
|---|---|---|
| FA51701656 | FA51701356 | FA51701256 |




@ 3000K

## A-Rise 49 Opal




LED light source included. 24V dc remote electric power supply to be ordered separately. Requires a junction box to be ordered separately. The luminaire is equipped with a protruding, neoprene, 200 mm cable and a wiring kit with crimp connectors and adhesive heat-shrink tubing guaranteeing the water tightness of the connection. Opal polycarbonate diffuser. Adjustable light intensity version available upon request.

2200K available on request.

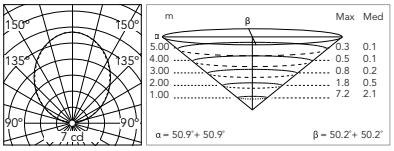
Fuente LED incluida. Fuente de alimentación eléctrica remota 24V dc a pedir por separado. Es necesaria la caja de regitro que hay que pedir por separado. Dotada de una sección de cable de neopreno que sobresale de 200 mm y kit con conectores crimpables y fundas termoretráctiles adhesivas que garantizan la estanqueidad de la conexión. Difusor de policarbonato opal. Versión con intensidad regulable disponible bajo pedido.

2200K disponible bajo pedido.

**Optic Wide Flood 100º**

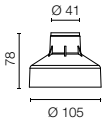
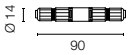
**Power Led:** 2,3W - 139 lm ≠ OUTPUT 16 lm - 2700K/CRI 80 - 12÷24Vdc / 2,3W - 149 lm ≠ OUTPUT 17 lm - 3000K/CRI 80 - 12÷24Vdc / 2,3W - 162 lm ≠ OUTPUT 18 lm - 4000K/CRI 80 - 12÷24Vdc

| 2700K | 3000K | 4000K |
|---|---|---|
| FA51701756 | FA51701556 | FA51701456 |

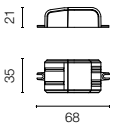
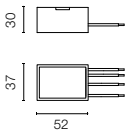
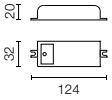
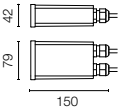
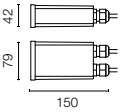
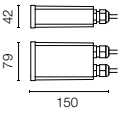
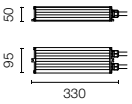
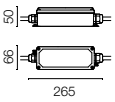



@ 4000K

## A-Rise 49: Accessories / Accesorios

| | | | | |
|---|---|---|---|---|
| Box for installation. | Encofrado. | F004Z0J0000 | |   |
| 2 way terminal block 2 poles IP68. (Ø4÷6,9mm cable).<br><br>It can't be placed in the recessed box for installation. | Bloque de terminales IP68 con 2 vías y 2 polos. (Cable Ø4÷6,9mm).<br><br>No se puede alojar en la caja para empotrar. | F990C050000 | |   |

## A-Rise 49: Drivers / Equipos

| | | | | |
|---|---|---|---|---|
| Power supply dual function Vout 24Vdc: 8W/100÷240V Iout 350ma: 6x1W/100÷240V IP20 Class II Selv Eq. | Fuente de alimentación con función dual Vout 24Vdc: 8W/100÷240V Iout 350ma: 6x1W/100÷240V IP20 Clase II Selv Eq. | *RF25754 | |   |
| Power supply 24V 8W / 110-240V IP65 Class II selv. | Transformador 24V 8W / 110-240V IP65 Clase II selv. | *RF25748 | |   |
| Power supply for remote installation 24Vdc 10W /110-240V IP20 Class II selv. | Transformador para instalación remota 24Vdc 10W / 110-240V IP20 Clase II selv. | *RF25747 | |   |
| Power supply 24V 10W / 110-240V IP67 Class II selv. | Transformador 24V 10W / 110-240V IP67 Clase II selv. | *RF25757 | |   |
| Power supply for remote installation 24Vdc 20W / 220-240V IP67 Class II selv. | Transformador para instalación remota 24Vdc 20W / 220-240V IP67 Clase II selv. | *RF25752 | |   |
| Power supply 24Vdc 35W / 120-270V IP67 Class II selv. | Fuente de alimentación 24Vdc 35W / 120-270V IP67 Clase II selv. | F990B23AZ00 | |   |
| Power supply for remote installation 24Vdc 50W / 120-240V IP67 Class II selv. | Transformador para instalación remota 24Vdc 50W / 120-240V IP67 Clase II selv. | *F990B28A000 | |   |
| Power supply for remote installation 24Vdc 70W / 220-240V IP67 Class II selv. | Transformador para instalación remota 24Vdc 70W / 220-240V IP67 Clase II selv. | *F990B27A000 | |   |

* Max fixtures for each power supply / Número máximo de luminarias por fuente de alimentación.

Max fixtures for each power supply (Vin 220÷240). Data in the chart are provided as a guide only. Please verify according to your installation.

Número máximo de luminarias por fuente de alimentación (220÷240 V). Estos datos deben ser comprobados teniendo en cuenta las condiciones específicas de instalación.

| | | | |
|---|---|---|---|
| Acc. RF25754 | 1 | Acc. RF25752 | 5 |
| Acc. RF25748 | 1 | Acc. F990B28A000 | 14 |
| Acc. RF25747 | 4 | Acc. F990B27A000 | 29 |
| Acc. RF25757 | 4 | | |

## Gobi

Gobi

## Family / Familia

### Gobi 180

**Power Led**
up to 12W
up to 256 lm - 2700K/CRI 80
up to 276 lm - 3000K/CRI 80
up to 296 lm - 4000K/CRI 80
* Net lumen output
2200K available on request.

### Gobi 130

**Power Led**
up to 7W
up to 140 lm - 2700K/CRI 80
up to 152 lm - 3000K/CRI 80
up to 164 lm - 4000K/CRI 80
* Net lumen output
2200K available on request.

### Gobi 65

**Power Led**
up to 3,4W
up to 60 lm - 2700K/CRI 80
up to 64 lm - 3000K/CRI 80
up to 72 lm - 4000K/CRI 80
* Net lumen output
2200K available on request.

### Gobi 65 Wall Path

**Power Led**
up to 3,4W
up to 47 lm - 2700K/CRI 80
up to 50 lm - 3000K/CRI 80
up to 54 lm - 4000K/CRI 80
* Net lumen output
2200K available on request.

### Gobi 49

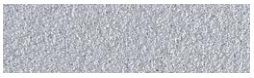
**Power Led**
up to 2,3W
up to 40 lm - 2700K/CRI 80
up to 44 lm - 3000K/CRI 80
up to 48 lm - 4000K/CRI 80
* Net lumen output
2200K available on request.

### Gobi 49 Wall Path

**Power Led**
up to 2,3W
up to 36 lm - 2700K/CRI 80
up to 39 lm - 3000K/CRI 80
up to 42 lm - 4000K/CRI 80
* Net lumen output
2200K available on request.

## Colours / Colores


01 White

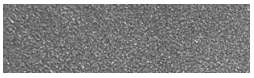

06 Grey

12 Forest Green

18 Deep Brown

30 Black

33 Anthracite


56 Matt Stainless Steel*

* Only for Gobi 65 and Gobi 49 versions.. / Sólo para las versiones Gobi 65 y Gobi 49.

Complete family of ground-recessed path lights, with flush-emitting LED source. Available in different dimensions and several adjustable beam angles. The fixing screws are made of AISI 316L stainless steel. Requires a specific junction box to be ordered separately. To avoid water stagnation, it is necessary to insulate the lower part of the box with a layer of drainage material or other drainage system. In order to guarantee the preservation of the cable guide, it is recommended to use flexible electric cables specifically designed for outdoor use.

**Gobi**
Ground recessed and walk-over luminaire, available in two different diameters and three beam angles: monodirectional, bidirectional and omindirectional. The position of the light source, parallel to the supporting surface, allows the direct component of the light emission to be exploited to the maximum. EN AB-47100 die-cast aluminium body (with low copper content), coated with a double layer of highly corrosion-resistant paint. Transparent borosilicate glass. Equipped with an M12 screw-on connector that prevents water infiltration and guarantees a quick connection to the wiring unit. 230V versions include the power supply unit and a remote IP66/67 kit to be installed in the junction box for recessing. The 24 V dc version is equipped with a cable and a screw connector for the connection to the remote power supply. The junction box is available in two versions: the standard version made of plastic and the heavy duty metal version, suitable for areas with high vehicular flow.

**Gobi 49 / Gobi 65**
Ground recessed and walk-over luminaire, available in two different diameters and four beam angles: one beam, two beams, three beams and four beams. Structure in turned aluminium, EN AW 6060 alloy, with an anodized treatment for better resistance to corrosion. The external structure is covered in AISI 316L shot-blasted stainless steel. Transparent polycarbonate diffuser. The 24 V dc luminaire is powered by a remote power supply to be ordered separately.

**Gobi 49 Wall / Gobi 65 Wall**
Wall-recessed path light, available in two different diameters and with a 180º beam angle directed towards the floor. Structure in turned aluminium, EN AW 6060 alloy, with an anodized treatment for better resistance to corrosion. The external structure is covered in AISI 316L shot-blasted stainless steel. Transparent polycarbonate diffuser. The 24 V dc luminaire is powered by a remote power supply to be ordered separately.

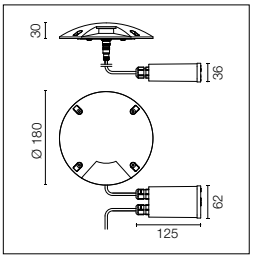
Familia completa de luminarias marcapasos empotrables en el pavimento, con fuente LED de emisión rasante. Disponibles en diferentes dimensiones y múltiples haces de apertura direccionables. Los tornillos de fijación son de acero inoxidable AISI 316L. Necesita caja de instalación específica que se debe pedir por separado. Para evitar estancamientos de agua es necesario aislar la parte inferior de dicha caja mediante una capa de material drenante u otro sistema de drenaje. Para garantizar la conservación del pasacable se aconseja usar cables eléctricos flexibles y específicos para exteriores.

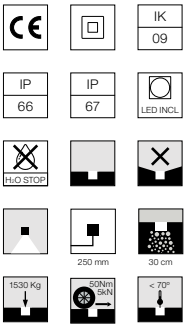
**Gobi**
Luminaria empotrable en suelo y pisable, disponible en dos diámetros distintos y en tres haces de apertura: monodireccional, bidireccional y omnidireccional. La posición de la fuente luminosa paralela a la superficie de apoyo permite aprovechar al máximo la componente directa de la emisión luminosa. Cuerpo de aluminio fundido a presión EN AB-47100 (con bajo contenido en cobre), revestido con dos capas de pintura de alta resistencia ante la corrosión. Vidrio borosilicato transparente. Dotada con un conector a rosca M12 que impide la infiltración de agua y garantiza una rápida conexión con la unidad de cableado. En la versión a 230V la fuente de alimentación está incluida, junto a un kit IP66/67 remoto que se debe colocar en la caja de registro empotrable. La versión de 24 V dc está dotada de una sección de cable que sobresale y de un conector a rosca para la conexión a la fuente de alimentación remota. La caja de instalación está disponible en dos versiones: la versión estándar en material plástico y la versión en metal de alta resistencia, adecuada para áreas con un alto flujo vehicular.

**Gobi 49 / Gobi 65**
Luminaria empotrable en suelo y pisable, disponible en dos diámetros diferentes y con cuatro haces de apertura: un haz, dos haces, tres haces y cuatro haces. Cuerpo de aluminio torneado, aleación EN AW 6060, con tratamiento anodizado para una mayor resistencia ante la corrosión. Parte exterior recubierta de acero inoxidable AISI 316L sometido a granallado. Difusor de policarbonato transparente. La luminaria en 24 V dc necesita una fuente de alimentación remota que se debe pedir por separado.

**Gobi 49 Wall / Gobi 65 Wall**
Luminaria marcapasos empotrable en pared, disponible en dos diámetros diferentes y con haz de apertura de 180º, dirigido hacia el pavimento. Cuerpo de aluminio torneado, aleación EN AW 6060, con tratamiento anodizado para una mayor resistencia ante la corrosión. Parte exterior recubierta de acero inoxidable AISI 316L sometido a granallado. Difusor de policarbonato transparente. La luminaria en 24 V dc necesita una fuente de alimentación remota que se debe pedir por separado.

## Gobi 180 Mono




LED light source included. Integrated electric power supply 220-240V ON/OFF. Requires a junction box to be ordered separately. The luminaire is equipped with a protruding, neoprene, 400 mm cable with an M12 watertight screw-on connector towards the luminaire, and with a 300 mm cable for the connection to the power line. Adjustable light intensity version available upon request.

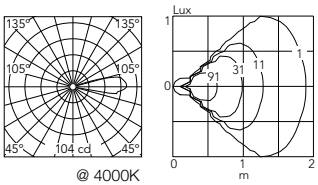
2200K available on request.

Fuente LED Incluida. Fuente de alimentación eléctrica 220-240V ON/OFF integrada. Necesita caja de registro que se debe pedir por separado. Fuente de alimentación dotada de una sección de cable de neopreno que sobresale 40mm con conector a rosca M12 estanco hacia la luminaria y sección de cable de 300mm para la conexión a la línea eléctrica. Versión con intensidad regulable disponible bajo pedido.

2200K disponible bajo pedido.

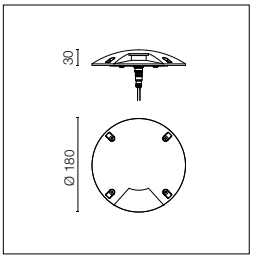
**Power Led:** 5W - 233 lm ≠ OUTPUT 64 lm - 2700K/CRI 80- 220÷240V / 5W - 250 lm ≠ OUTPUT 69 lm - 3000K/CRI 80 - 220÷240V / 5W - 266 lm ≠ OUTPUT 74 lm - 4000K/CRI 80 - 220÷240V

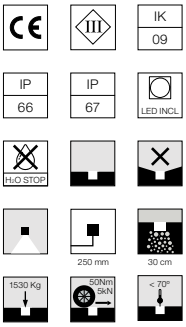
| 2700K | 3000K | 4000K |
|---|---|---|
| ○ FA53504701 | ○ FA53501201 | ○ FA53501101 |
| ● FA53504706 | ● FA53501206 | ● FA53501106 |
| ● FA53504712 | ● FA53501212 | ● FA53501112 |
| ● FA53504718 | ● FA53501218 | ● FA53501118 |
| ● FA53504730 | ● FA53501230 | ● FA53501130 |
| ● FA53504733 | ● FA53501233 | ● FA53501133 |




@ 4000K

## Gobi 180 Mono Low Voltage




LED source included. 24V dc remote electric power supply to be ordered separately. Requires a junction box to be ordered separately. The luminaire is equipped with protruding, 250 mm cable with an M12 watertight screw-on connector. Optional accessories: 5000 mm cable and 300 mm splitter cable with M12 connectors for multiple installations.

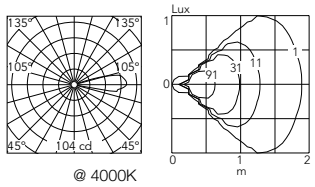
2200K available on request.

Fuente LED incluida. Fuente de alimentación eléctrica remota 24V dc que se debe pedir por separado. Necesita caja de registro que se debe pedir por separado. Dotada de una sección de cable de 250mm que sobresale con conexión a rosca M12 estanca. Accesorios opcionales: cable 5000 mm y cable splitter 300 mm con conectores M12 para instalaciones múltiples.

2200K disponible bajo pedido.

**Power Led:** 3,4W - 233 lm ≠ OUTPUT 64 lm - 2700K/CRI 80 - 24Vdc / 3,4W - 250 lm ≠ OUTPUT 69 lm - 3000K/CRI 80 - 24Vdc / 3,4W - 266 lm ≠ OUTPUT 74 lm - 4000K/CRI 80 - 24Vdc

| 2700K | 3000K | 4000K |
|---|---|---|
| ○ FA53504801 | ○ FA53503001 | ○ FA53502901 |
| ● FA53504806 | ● FA53503006 | ● FA53502906 |
| ● FA53504812 | ● FA53503012 | ● FA53502912 |
| ● FA53504818 | ● FA53503018 | ● FA53502918 |
| ● FA53504830 | ● FA53503030 | ● FA53502930 |
| ● FA53504833 | ● FA53503033 | ● FA53502933 |




@ 4000K

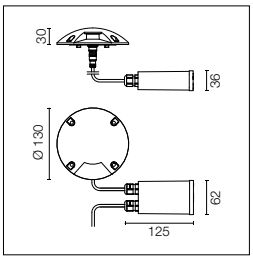
* Maximum number of luminaires per power supply / Número máximo de luminarias por fuente de alimentación.

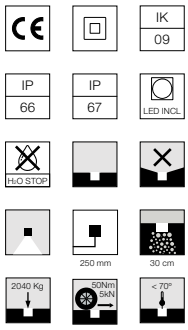
Maximum number of luminaires per power supply. (220÷240 V). These data must be checked taking into account the specific installation conditions.

Número máximo de luminarias por fuente de alimentación (220÷240 V). Estos datos deben ser comprobados teniendo en cuenta las condiciones específicas de instalación.

| | |
|---|---|
| Acc. RF25752 | 3 |
| Acc. F990B28A000 | 8 |
| Acc. F990B27A000 | 16 |

## Gobi 130 Mono




LED light source included. Integrated electric power supply 220-240V ON/OFF. Requires a junction box to be ordered separately. The luminaire is equipped with a protruding, neoprene, 400 mm cable with an M12 watertight screw-on connector towards the luminaire, and with a 300 mm cable for the connection to the power line. Adjustable light intensity version available upon request.

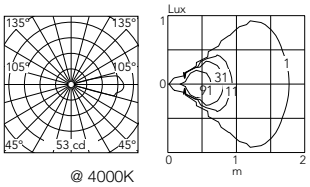
2200K available on request.

Fuente LED Incluida. Fuente de alimentación eléctrica 220-240V ON/OFF integrada. Necesita caja de registro que se debe pedir por separado. Fuente de alimentación dotada de una sección de cable de neopreno que sobresale 40mm con conector a rosca M12 estanco hacia la luminaria y sección de cable de 300mm para la conexión a la línea eléctrica. Versión con intensidad regulable disponible bajo pedido.

2200K disponible bajo pedido.

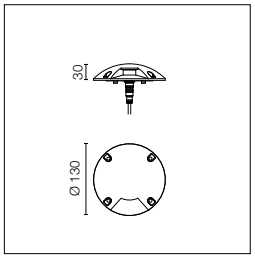
**Power Led:** 4W - 129 lm ≠ OUTPUT 35 lm - 2700K/CRI 80 - 220÷240V / 4W - 139 lm ≠ OUTPUT 38 lm - 3000K/CRI 80 - 220÷240V / 4W - 148 lm ≠ OUTPUT 41 lm - 4000K/CRI 80 - 220÷240V

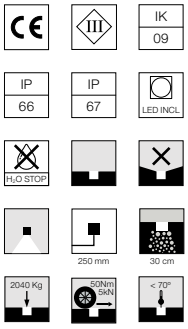
| 2700K | 3000K | 4000K |
|---|---|---|
| ○ FA53504101 | ○ FA53500301 | ○ FA53500201 |
| ● FA53504106 | ● FA53500306 | ● FA53500206 |
| ● FA53504112 | ● FA53500312 | ● FA53500212 |
| ● FA53504118 | ● FA53500318 | ● FA53500218 |
| ● FA53504130 | ● FA53500330 | ● FA53500230 |
| ● FA53504133 | ● FA53500333 | ● FA53500233 |




@ 4000K

## Gobi 130 Mono Low Voltage




LED source included. 24V dc remote electric power supply to be ordered separately. Requires a junction box to be ordered separately. The luminaire is equipped with protruding, 250 mm cable with an M12 watertight screw-on connector. Optional accessories: 5000 mm cable and 300 mm splitter cable with M12 connectors for multiple installations.

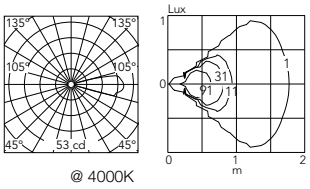
2200K available on request.

Fuente LED incluida. Fuente de alimentación eléctrica remota 24V dc que se debe pedir por separado. Necesita caja de registro que se debe pedir por separado. Dotada de una sección de cable de 250mm que sobresale con conexión a rosca M12 estanca. Accesorios opcionales: cable 5000 mm y cable splitter 300 mm con conectores M12 para instalaciones múltiples.

2200K disponible bajo pedido.

**Power Led:** 1,9W - 129 lm ≠ OUTPUT 35 lm - 2700K/CRI 80 - 24Vdc / 1,9W - 139 lm ≠ OUTPUT 38 lm - 3000K/CRI 80 - 24Vdc / 1,9W - 148 lm ≠ OUTPUT 41 lm - 4000K/CRI 80 - 24Vdc

| 2700K | 3000K | 4000K |
|---|---|---|
| ○ FA53504201 | ○ FA53502101 | ○ FA53502001 |
| ● FA53504206 | ● FA53502106 | ● FA53502006 |
| ● FA53504212 | ● FA53502112 | ● FA53502012 |
| ● FA53504218 | ● FA53502118 | ● FA53502018 |
| ● FA53504230 | ● FA53502130 | ● FA53502030 |
| ● FA53504233 | ● FA53502133 | ● FA53502033 |




@ 4000K

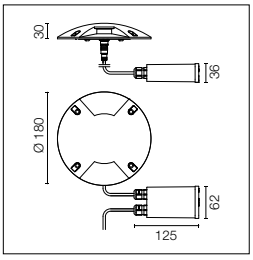
* Maximum number of luminaires per power supply / Número máximo de luminarias por fuente de alimentación.

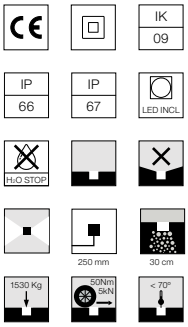
Maximum number of luminaires per power supply. (220÷240 V). These data must be checked taking into account the specific installation conditions.

Número máximo de luminarias por fuente de alimentación (220÷240 V). Estos datos deben ser comprobados teniendo en cuenta las condiciones específicas de instalación.

| | |
|---|---|
| Acc. RF25752 | 5 |
| Acc. F990B28A000 | 16 |
| Acc. F990B27A000 | 33 |

## Gobi 180 Double




LED light source included. Integrated electric power supply 220-240V ON/OFF. Requires a junction box to be ordered separately. The luminaire is equipped with a protruding, neoprene, 400 mm cable with an M12 watertight screw-on connector towards the luminaire, and with a 300 mm cable for the connection to the power line. Adjustable light intensity version available upon request.

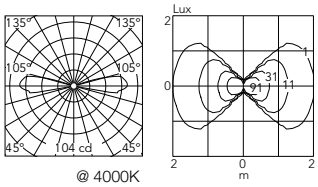
2200K available on request.

Fuente LED Incluida. Fuente de alimentación eléctrica 220-240V ON/OFF integrada. Necesita caja de registro que se debe pedir por separado. Fuente de alimentación dotada de una sección de cable de neopreno que sobresale 40mm con conector a rosca M12 estanco hacia la luminaria y sección de cable de 300mm para la conexión a la línea eléctrica. Versión con intensidad regulable disponible bajo pedido.

2200K disponible bajo pedido.

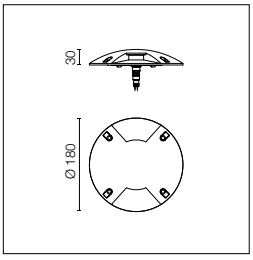
**Power Led:** 7W - 2x233 lm ≠ OUTPUT 2x64 lm - 2700K/CRI 80 - 220÷240V / 7W - 2x250 lm ≠ OUTPUT 2x69 lm - 3000K/CRI 80 - 220÷240V / 7W - 2x266 lm ≠ OUTPUT 2x74 lm - 4000K/CRI 80 - 220÷240V

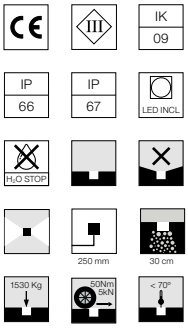
| 2700K | 3000K | 4000K |
|---|---|---|
| ○ FA53504901 | ○ FA53501501 | ○ FA53501401 |
| ● FA53504906 | ● FA53501506 | ● FA53501406 |
| ● FA53504912 | ● FA53501512 | ● FA53501412 |
| ● FA53504918 | ● FA53501518 | ● FA53501418 |
| ● FA53504930 | ● FA53501530 | ● FA53501430 |
| ● FA53504933 | ● FA53501533 | ● FA53501433 |




@ 4000K

## Gobi 180 Double Low Voltage




LED source included. 24V dc remote electric power supply to be ordered separately. Requires a junction box to be ordered separately. The luminaire is equipped with protruding, 250 mm cable with an M12 watertight screw-on connector. Optional accessories: 5000 mm cable and 300 mm splitter cable with M12 connectors for multiple installations.

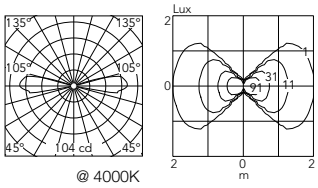
2200K available on request.

Fuente LED incluida. Fuente de alimentación eléctrica remota 24V dc que se debe pedir por separado. Necesita caja de registro que se debe pedir por separado. Dotada de una sección de cable de 250mm que sobresale con conexión a rosca M12 estanca. Accesorios opcionales: cable 5000 mm y cable splitter 300 mm con conectores M12 para instalaciones múltiples.

2200K disponible bajo pedido.

**Power Led:** 6,4W - 2x233 lm ≠ OUTPUT 2x64 lm - 2700K/CRI 80 - 24Vdc / 6,4W - 2x250 lm ≠ OUTPUT 2x69 lm - 3000K/CRI 80 - 24Vdc / 6,4W - 2x266 lm ≠ OUTPUT 2x74 lm - 4000K/CRI 80 - 24Vdc

| 2700K | 3000K | 4000K |
|---|---|---|
| ○ FA53505001 | ○ FA53503301 | ○ FA53503201 |
| ● FA53505006 | ● FA53503306 | ● FA53503206 |
| ● FA53505012 | ● FA53503312 | ● FA53503212 |
| ● FA53505018 | ● FA53503318 | ● FA53503218 |
| ● FA53505030 | ● FA53503330 | ● FA53503230 |
| ● FA53505033 | ● FA53503333 | ● FA53503233 |




@ 4000K

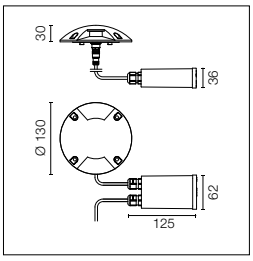
* Maximum number of luminaires per power supply / Número máximo de luminarias por fuente de alimentación.

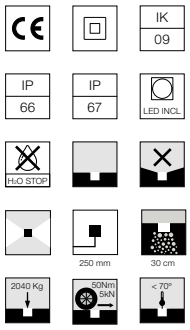
Maximum number of luminaires per power supply. (220÷240 V). These data must be checked taking into account the specific installation conditions.

Número máximo de luminarias por fuente de alimentación (220÷240 V). Estos datos deben ser comprobados teniendo en cuenta las condiciones específicas de instalación.

| | |
|---|---|
| Acc. RF25752 | 2 |
| Acc. F990B28A000 | 5 |
| Acc. F990B27A000 | 8 |

## Gobi 130 Double




LED light source included. Integrated electric power supply 220-240V ON/OFF. Requires a junction box to be ordered separately. The luminaire is equipped with a protruding, neoprene, 400 mm cable with an M12 watertight screw-on connector towards the luminaire, and with a 300 mm cable for the connection to the power line. Adjustable light intensity version available upon request.

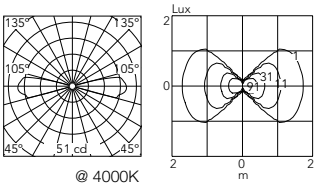
2200K available on request.

Fuente LED Incluida. Fuente de alimentación eléctrica 220-240V ON/OFF integrada. Necesita caja de registro que se debe pedir por separado. Fuente de alimentación dotada de una sección de cable de neopreno que sobresale 40mm con conector a rosca M12 estanco hacia la luminaria y sección de cable de 300mm para la conexión a la línea eléctrica. Versión con intensidad regulable disponible bajo pedido.

2200K disponible bajo pedido.

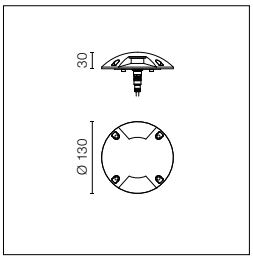
**Power Led:** 5W - 2x129 lm ≠ OUTPUT 2x35 lm - 2700K/CRI 80 - 220÷240V / 5W - 2x139 lm ≠ OUTPUT 2x38 lm - 3000K/CRI 80 - 220÷240V / 5W - 2x148 lm ≠ OUTPUT 2x41 lm - 4000K/CRI 80 - 220÷240V

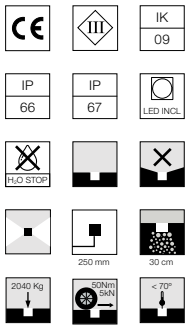
| 2700K | 3000K | 4000K |
|---|---|---|
| ○ FA53504301 | ○ FA53500601 | ○ FA53500501 |
| ● FA53504306 | ● FA53500606 | ● FA53500506 |
| ● FA53504312 | ● FA53500612 | ● FA53500512 |
| ● FA53504318 | ● FA53500618 | ● FA53500518 |
| ● FA53504330 | ● FA53500630 | ● FA53500530 |
| ● FA53504333 | ● FA53500633 | ● FA53500533 |




@ 4000K

## Gobi 130 Double Low Voltage




LED source included. 24V dc remote electric power supply to be ordered separately. Requires a junction box to be ordered separately. The luminaire is equipped with protruding, 250 mm cable with an M12 watertight screw-on connector. Optional accessories: 5000 mm cable and 300 mm splitter cable with M12 connectors for multiple installations.

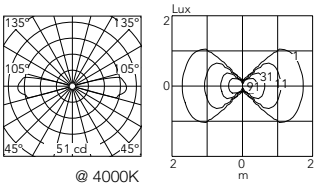
2200K available on request.

Fuente LED incluida. Fuente de alimentación eléctrica remota 24V dc que se debe pedir por separado. Necesita caja de registro que se debe pedir por separado. Dotada de una sección de cable de 250mm que sobresale con conexión a rosca M12 estanca. Accesorios opcionales: cable 5000 mm y cable splitter 300 mm con conectores M12 para instalaciones múltiples.

2200K disponible bajo pedido.

**Power Led:** 3,5W - 2x129 lm ≠ OUTPUT 2x35 lm - 2700K/CRI 80 - 24Vdc / 3,5W - 2x139 lm ≠ OUTPUT 2x38 lm - 3000K/CRI 80 - 24Vdc / 3,5W - 2x148 lm ≠ OUTPUT 2x41 lm - 4000K/CRI 80 - 24Vdc

| 2700K | 3000K | 4000K |
|---|---|---|
| ○ FA53504401 | ○ FA53502401 | ○ FA53502301 |
| ● FA53504406 | ● FA53502406 | ● FA53502306 |
| ● FA53504412 | ● FA53502412 | ● FA53502312 |
| ● FA53504418 | ● FA53502418 | ● FA53502318 |
| ● FA53504430 | ● FA53502430 | ● FA53502330 |
| ● FA53504433 | ● FA53502433 | ● FA53502333 |




@ 4000K

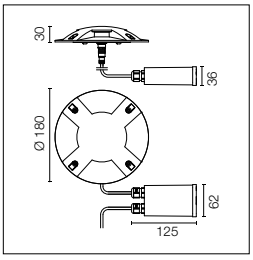
* Maximum number of luminaires per power supply / Número máximo de luminarias por fuente de alimentación.

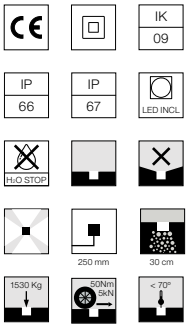
Maximum number of luminaires per power supply. (220÷240 V). These data must be checked taking into account the specific installation conditions.

Número máximo de luminarias por fuente de alimentación (220÷240 V). Estos datos deben ser comprobados teniendo en cuenta las condiciones específicas de instalación.

| | |
|---|---|
| Acc. RF25752 | 2 |
| Acc. F990B28A000 | 10 |
| Acc. F990B27A000 | 19 |

## Gobi 180 Multi




LED light source included. Integrated electric power supply 220-240V ON/OFF. Requires a junction box to be ordered separately. The luminaire is equipped with a protruding, neoprene, 400 mm cable with an M12 watertight screw-on connector towards the luminaire, and with a 300 mm cable for the connection to the power line. Adjustable light intensity version available upon request.

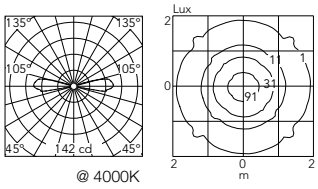
2200K available on request.

Fuente LED Incluida. Fuente de alimentación eléctrica 220-240V ON/OFF integrada. Necesita caja de registro que se debe pedir por separado. Fuente de alimentación dotada de una sección de cable de neopreno que sobresale 40mm con conector a rosca M12 estanco hacia la luminaria y sección de cable de 300mm para la conexión a la línea eléctrica. Versión con intensidad regulable disponible bajo pedido.

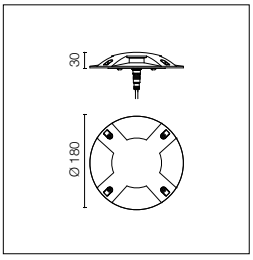
2200K disponible bajo pedido.

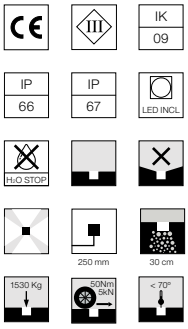
**Power Led:** 12W - 4x233 lm ≠ OUTPUT 4x64 lm - 2700K/CRI 80 - 220÷240V / 12W - 4x250 lm ≠ OUTPUT 4x69 lm - 3000K/CRI 80 - 220÷240V / 12W - 4x266 lm ≠ OUTPUT 4x74 lm - 4000K/CRI 80 - 220÷240V

| 2700K | 3000K | 4000K |
|---|---|---|
| ○ FA53505101 | ○ FA53501801 | ○ FA53501701 |
| ● FA53505106 | ● FA53501806 | ● FA53501706 |
| ● FA53505112 | ● FA53501812 | ● FA53501712 |
| ● FA53505118 | ● FA53501818 | ● FA53501718 |
| ● FA53505130 | ● FA53501830 | ● FA53501730 |
| ● FA53505133 | ● FA53501833 | ● FA53501733 |




## Gobi 180 Multi Low Voltage




LED source included. 24V dc remote electric power supply to be ordered separately. Requires a junction box to be ordered separately. The luminaire is equipped with protruding, 250 mm cable with an M12 watertight screw-on connector. Optional accessories: 5000 mm cable and 300 mm splitter cable with M12 connectors for multiple installations.

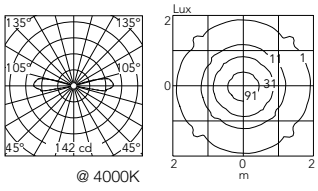
2200K available on request.

Fuente LED incluida. Fuente de alimentación eléctrica remota 24V dc que se debe pedir por separado. Necesita caja de registro que se debe pedir por separado. Dotada de una sección de cable de 250mm que sobresale con conexión a rosca M12 estanca. Accesorios opcionales: cable 5000 mm y cable splitter 300 mm con conectores M12 para instalaciones múltiples.

2200K disponible bajo pedido.

**Power Led:** 11,2W - 4x233 lm ≠ OUTPUT 4x64 lm - 2700K/CRI 80 - 24Vdc / 11,2W - 4x250 lm ≠ OUTPUT 4x69 lm - 3000K/CRI 80 - 24Vdc / 11,2W - 4x266 lm ≠ OUTPUT 4x74 lm - 4000K/CRI 80 - 24Vdc

| 2700K | 3000K | 4000K |
|---|---|---|
| ○ FA53505201 | ○ FA53503601 | ○ FA53503501 |
| ● FA53505206 | ● FA53503606 | ● FA53503506 |
| ● FA53505212 | ● FA53503612 | ● FA53503512 |
| ● FA53505218 | ● FA53503618 | ● FA53503518 |
| ● FA53505230 | ● FA53503630 | ● FA53503530 |
| ● FA53505233 | ● FA53503633 | ● FA53503533 |



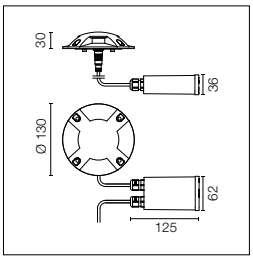

* Maximum number of luminaires per power supply / Número máximo de luminarias por fuente de alimentación.

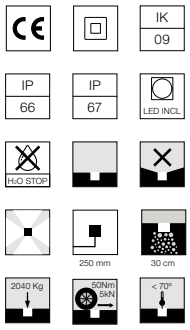
Maximum number of luminaires per power supply. (220÷240 V). These data must be checked taking into account the specific installation conditions.

Número máximo de luminarias por fuente de alimentación (220÷240 V). Estos datos deben ser comprobados teniendo en cuenta las condiciones específicas de instalación.

| | |
|---|---|
| Acc. RF25752 | 1 |
| Acc. F990B28A000 | 3 |
| Acc. F990B27A000 | 6 |

## Gobi 130 Multi




LED light source included. Integrated electric power supply 220-240V ON/OFF. Requires a junction box to be ordered separately. The luminaire is equipped with a protruding, neoprene, 400 mm cable with an M12 watertight screw-on connector towards the luminaire, and with a 300 mm cable for the connection to the power line. Adjustable light intensity version available upon request.

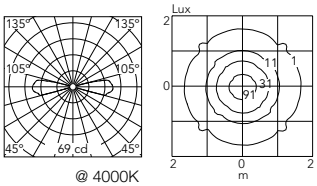
2200K available on request.

Fuente LED Incluida. Fuente de alimentación eléctrica 220-240V ON/OFF integrada. Necesita caja de registro que se debe pedir por separado. Fuente de alimentación dotada de una sección de cable de neopreno que sobresale 40mm con conector a rosca M12 estanco hacia la luminaria y sección de cable de 300mm para la conexión a la línea eléctrica. Versión con intensidad regulable disponible bajo pedido.

2200K disponible bajo pedido.

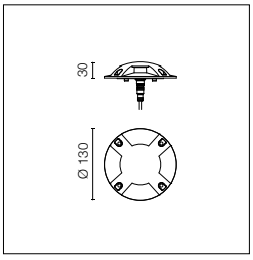
**Power Led:** 7W - 4x129 lm ≠ OUTPUT 4x35 lm - 2700K/CRI 80 - 220÷240V / 7W - 4x139 lm ≠ OUTPUT 4x38 lm - 3000K/CRI 80 - 220÷240V / 7W - 4x148 lm ≠ OUTPUT 4x41 lm - 4000K/CRI 80 - 220÷240V

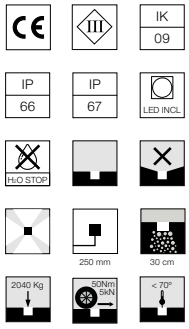
| 2700K | 3000K | 4000K |
|---|---|---|
| ○ FA53504501 | ○ FA53500901 | ○ FA53500801 |
| ● FA53504506 | ● FA53500906 | ● FA53500806 |
| ● FA53504512 | ● FA53500912 | ● FA53500812 |
| ● FA53504518 | ● FA53500918 | ● FA53500818 |
| ● FA53504530 | ● FA53500930 | ● FA53500830 |
| ● FA53504533 | ● FA53500933 | ● FA53500833 |




@ 4000K

## Gobi 130 Multi Low Voltage




LED source included. 24V dc remote electric power supply to be ordered separately. Requires a junction box to be ordered separately. The luminaire is equipped with protruding, 250 mm cable with an M12 watertight screw-on connector. Optional accessories: 5000 mm cable and 300 mm splitter cable with M12 connectors for multiple installations.

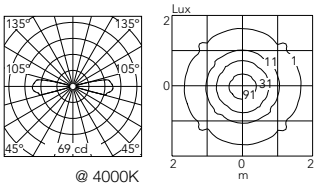
2200K available on request.

Fuente LED incluida. Fuente de alimentación eléctrica remota 24V dc que se debe pedir por separado. Necesita caja de registro que se debe pedir por separado. Dotada de una sección de cable de 250mm que sobresale con conexión a rosca M12 estanca. Accesorios opcionales: cable 5000 mm y cable splitter 300 mm con conectores M12 para instalaciones múltiples.

2200K disponible bajo pedido.

**Power Led:** 5,8W - 4x129 lm ≠ OUTPUT 4x35 lm - 2700K/CRI 80 - 24Vdc / 5,8W - 4x139 lm ≠ OUTPUT 4x38 lm - 3000K/CRI 80 - 24Vdc / 5,8W - 4x148 lm ≠ OUTPUT 4x41 lm - 4000K/CRI 80 - 24Vdc

| 2700K | 3000K | 4000K |
|---|---|---|
| ○ FA53504601 | ○ FA53502701 | ○ FA53502601 |
| ● FA53504606 | ● FA53502706 | ● FA53502606 |
| ● FA53504612 | ● FA53502712 | ● FA53502612 |
| ● FA53504618 | ● FA53502718 | ● FA53502618 |
| ● FA53504630 | ● FA53502730 | ● FA53502630 |
| ● FA53504633 | ● FA53502733 | ● FA53502633 |




@ 4000K

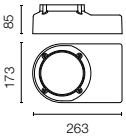
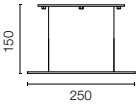
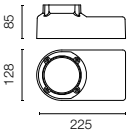
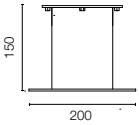
* Maximum number of luminaires per power supply / Número máximo de luminarias por fuente de alimentación.

Maximum number of luminaires per power supply. (220÷240 V). These data must be checked taking into account the specific installation conditions.

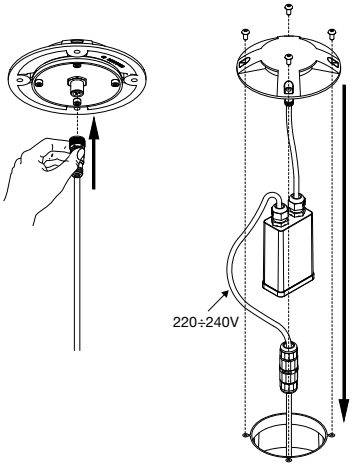
Número máximo de luminarias por fuente de alimentación (220÷240 V). Estos datos deben ser comprobados teniendo en cuenta las condiciones específicas de instalación.

| | |
|---|---|
| Acc. RF25752 | 1 |
| Acc. F990B28A000 | 7 |
| Acc. F990B27A000 | 12 |

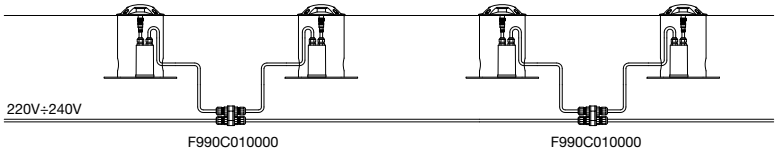
## Gobi: Accessories / Accesorios

| | | | | |
|---|---|---|---|---|
| Box for installation. | Encofrado. | Gobi 180<br>FA194 | |   |
| High resistance in-ground box for installation | Caja de instalación a tierra de alta resistencia. | Gobi 180<br>FA195 | |   |
| Box for installation. | Encofrado. | Gobi 130<br>FA192 | |   |
| High resistance in-ground box for installation | Caja de instalación a tierra de alta resistencia. | Gobi 130<br>FA193 | |   |

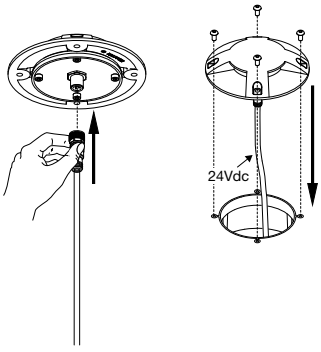
## Gobi 130/180 220÷240V version - Wiring Installation



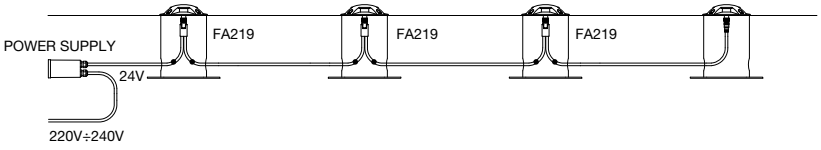

**Example of installation**



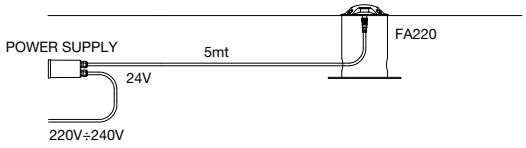

## Gobi 130/180 24Vdc version - Wiring Installation



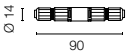
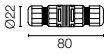
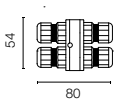
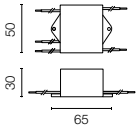

**Example of installation 1**



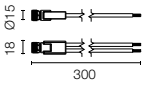
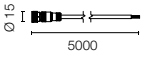
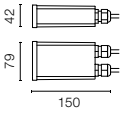
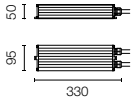
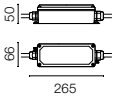

**Example of installation 2**



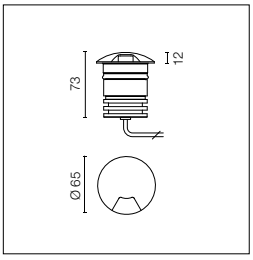
## Gobi: Drivers / Equipos

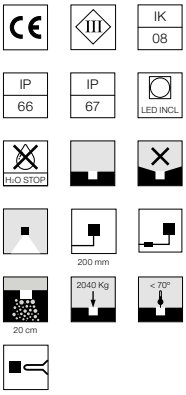
| | | | | |
|---|---|---|---|---|
| 2 way terminal block 2 poles IP68. (Ø4÷6,9mm cable).<br><br>It can't be placed in the recessed box for installation. | Bloque de terminales IP68 con 2 vías y 2 polos. (Cable Ø4÷6,9mm).<br><br>No se puede alojar en la caja para empotrar. | F990C050000 | |  |
| 2 way terminal block 4 poles IP68 H2O Stop. | Bloque de terminales IP68 H2O Stop anticondensación con 2 vías y 4 polos. | F990C00A000 | |  |
| 3/4 way terminal block 4 poles IP68 H2O Stop. (ø5,5÷12mm cable). | Bloque de terminales IP68 H2O Stop anticondensación con 3/4 vías y 4 polos. (Cable ø5,5÷12 mm). | F990C010000 | |  |
| Surge protection device. 275Vac. Maximum discharge current 10KA (8/20us). Maximum operating current 5A. Suitable for series connection. IP66. | Dispositivo de protección contra sobrecargas. 275 Vac. Corriente de descarga máxima 10KA (8/20us). Corriente máxima de funcionamiento 5A. Apta para conexión en serie. IP66. | F990E00A000 | |  |

## Gobi Low Voltage Drivers / Equipos

| | | | | |
|---|---|---|---|---|
| Splitter m12 connector. | Conector splitter 12m. | FA219 | |  |
| M12 single connector L.5.000mm. | Conector individual 12m L.5.000mm. | FA220 | |  |
| Power supply for remote installation 24Vdc 20W / 220-240V IP67 Class II selv. | Transformador para instalación remota 24Vdc 20W / 220-240V IP67 Clase II selv. | *RF25752 | |  |
| Power supply for remote installation 24Vdc 50W / 120-240V IP67 Class II selv. | Transformador para instalación remota 24Vdc 50W / 120-240V IP67 Clase II selv. | *F990B28A000 | |  |
| Power supply for remote installation 24Vdc 70W / 220-240V IP67 Class II selv. | Transformador para instalación remota 24Vdc 70W / 220-240V IP67 Clase II selv. | *F990B27A000 | |  |

## Gobi 65 Mono




LED source included. 24V dc remote electric power supply to be ordered separately. Requires a junction box to be ordered separately. The luminaire is equipped with a protruding, 200 mm cable with an integrated H2O STOP connection system and a wiring kit with crimp connectors and adhesive heat-shrink tubing guaranteeing the water tightness of the connection. Adjustable light intensity version available upon request.

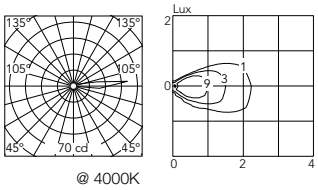
2200K available on request.

Fuente LED incluida. Alimentación eléctrica remota 24V dc que se debe pedir por separado. Necesita caja de registro que se debe pedir separadamente. Dotada de una sección de cable que sobresale 200 mm con sistema integrado de conexión H2O STOP y kit con conectores crimpables y fundas termoretráctiles adhesivas que garantizan la estanqueidad de la conexión.
Versión con intensidad regulable disponible bajo pedido.

2200K disponible bajo pedido.

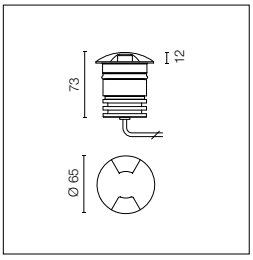
**Power Led:** 3,4W - 169 lm ≠ OUTPUT 15 lm - 2700K/CRI 80 - 24Vdc / 3,4W - 182 lm ≠ OUTPUT 16 lm - 3000K/CRI 80 - 24Vdc / 3,4W - 198 lm ≠ OUTPUT 18 lm - 4000K/CRI 80 - 24Vdc

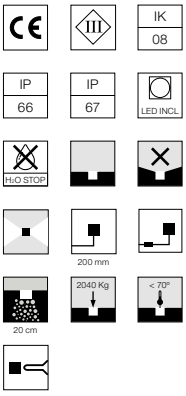
| 2700K | 3000K | 4000K |
|---|---|---|
| FA51824201 | FA51804301 | FA51804201 |
| FA51824206 | FA51804306 | FA51804206 |
| FA51824212 | FA51804312 | FA51804212 |
| FA51824218 | FA51804318 | FA51804218 |
| FA51824230 | FA51804330 | FA51804230 |
| FA51824233 | FA51804333 | FA51804233 |
| FA51824256 | FA51804356 | FA51804256 |




@ 4000K

## Gobi 65 Double




LED source included. 24V dc remote electric power supply to be ordered separately. Requires a junction box to be ordered separately. The luminaire is equipped with a protruding, 200 mm cable with an integrated H2O STOP connection system and a wiring kit with crimp connectors and adhesive heat-shrink tubing guaranteeing the water tightness of the connection. Adjustable light intensity version available upon request.

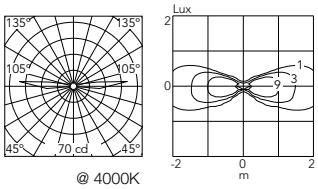
2200K available on request.

Fuente LED incluida. Alimentación eléctrica remota 24V dc que se debe pedir por separado. Necesita caja de registro que se debe pedir separadamente. Dotada de una sección de cable que sobresale 200 mm con sistema integrado de conexión H2O STOP y kit con conectores crimpables y fundas termoretráctiles adhesivas que garantizan la estanqueidad de la conexión.
Versión con intensidad regulable disponible bajo pedido.

2200K disponible bajo pedido.

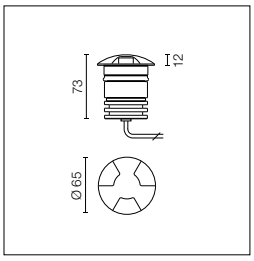
**Power Led:** 3,4W - 2x169 lm ≠ OUTPUT 2x15 lm - 2700K/CRI 80 - 24Vdc / 3,4W - 2x182 lm ≠ OUTPUT 2x16 lm - 3000K/CRI 80 - 24Vdc / 3,4W - 2x198 lm ≠ OUTPUT 2x18 lm - 4000K/CRI 80 - 24Vdc

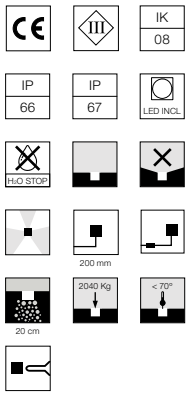
| 2700K | 3000K | 4000K |
|---|---|---|
| FA51825201 | FA51805301 | FA51805201 |
| FA51825206 | FA51805306 | FA51805206 |
| FA51825212 | FA51805312 | FA51805212 |
| FA51825218 | FA51805318 | FA51805218 |
| FA51825230 | FA51805330 | FA51805230 |
| FA51825233 | FA51805333 | FA51805233 |
| FA51825256 | FA51805356 | FA51805256 |




@ 4000K

## Gobi 65 Triple




LED source included. 24V dc remote electric power supply to be ordered separately. Requires a junction box to be ordered separately. The luminaire is equipped with a protruding, 200 mm cable with an integrated H2O STOP connection system and a wiring kit with crimp connectors and adhesive heat-shrink tubing guaranteeing the water tightness of the connection. Adjustable light intensity version available upon request.

2200K available on request.

Fuente LED incluida. Alimentación eléctrica remota 24V dc que se debe pedir por separado. Necesita caja de registro que se debe pedir separadamente. Dotada de una sección de cable que sobresale 200 mm con sistema integrado de conexión H2O STOP y kit con conectores crimpables y fundas termoretráctiles adhesivas que garantizan la estanqueidad de la conexión.
Versión con intensidad regulable disponible bajo pedido.

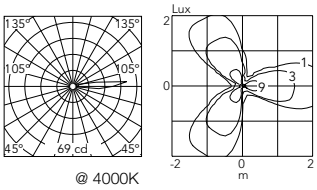
2200K disponible bajo pedido.

**Power Led:** 3,4W - 3x169 lm ≠ OUTPUT 3x15 lm - 2700K/CRI 80 - 24Vdc / 3,4W - 3x182 lm ≠ OUTPUT 3x16 lm - 3000K/CRI 80 - 24Vdc / 3,4W - 3x198 lm ≠ OUTPUT 3x18 lm - 4000K/CRI 80 - 24Vdc

**2700K**
- FA51826201
- FA51826206
- FA51826212
- FA51826218
- FA51826230
- FA51826233
- FA51826256

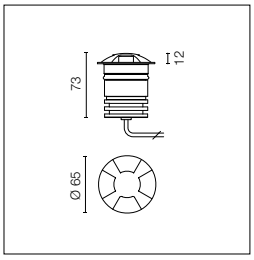
**3000K**
- FA51806301
- FA51806306
- FA51806312
- FA51806318
- FA51806330
- FA51806333
- FA51806356

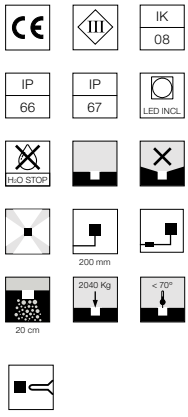
**4000K**
- FA51806201
- FA51806206
- FA51806212
- FA51806218
- FA51806230
- FA51806233
- FA51806256




@ 4000K

## Gobi 65 Multi




LED source included. 24V dc remote electric power supply to be ordered separately. Requires a junction box to be ordered separately. The luminaire is equipped with a protruding, 200 mm cable with an integrated H2O STOP connection system and a wiring kit with crimp connectors and adhesive heat-shrink tubing guaranteeing the water tightness of the connection. Adjustable light intensity version available upon request.

2200K available on request.

Fuente LED incluida. Alimentación eléctrica remota 24V dc que se debe pedir por separado. Necesita caja de registro que se debe pedir separadamente. Dotada de una sección de cable que sobresale 200 mm con sistema integrado de conexión H2O STOP y kit con conectores crimpables y fundas termoretráctiles adhesivas que garantizan la estanqueidad de la conexión.
Versión con intensidad regulable disponible bajo pedido.

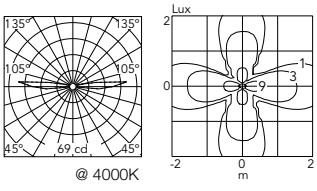
2200K disponible bajo pedido.

**Power Led:** 3,4W - 4x169 lm ≠ OUTPUT 4x15 lm - 2700K/CRI 80 - 24Vdc / 3,4W - 4x182 lm ≠ OUTPUT 4x16 lm - 3000K/CRI 80 - 24Vdc / 3,4W - 4x198 lm ≠ OUTPUT 4x18 lm - 4000K/CRI 80 - 24Vdc

**2700K**
- FA51827201
- FA51827206
- FA51827212
- FA51827218
- FA51827230
- FA51827233
- FA51827256

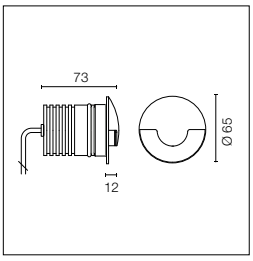
**3000K**
- FA51807301
- FA51807306
- FA51807312
- FA51807318
- FA51807330
- FA51807333
- FA51807356

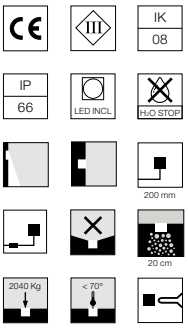
**4000K**
- FA51807201
- FA51807206
- FA51807212
- FA51807218
- FA51807230
- FA51807233
- FA51807256




@ 4000K

## Gobi 65 Wall Path




LED source included. 24V dc remote electric power supply to be ordered separately. Requires a junction box to be ordered separately. The luminaire is equipped with a protruding, 200 mm cable and a wiring kit with crimp connectors and adhesive heat-shrink tubing guaranteeing the water tightness of the connection. Adjustable light intensity version available upon request.

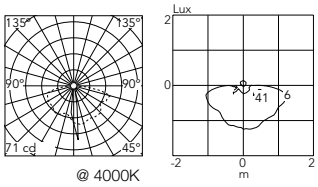
2200K available on request.

Fuente LED incluida. Fuente de alimentación eléctrica remota 24V dc que se debe pedir por separado. Necesita caja de registro que se debe pedir por separado. Dotada de una sección de cable que sobresale 200 mm y kit con conectores crimpables y fundas termoretráctiles adhesivas que garantizan la estanqueidad de la conexión.
Versión con intensidad regulable disponible bajo pedido.

2200K disponible bajo pedido.

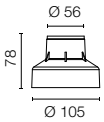
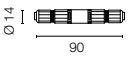
**Power Led:** 3,4W - 169 lm ≠ OUTPUT 47 lm - 2700K/CRI 80 - 24Vdc / 3,4W - 182 lm ≠ OUTPUT 50 lm - 3000K/CRI 80 - 24Vdc / 3,4W - 198 lm ≠ OUTPUT 54 lm - 4000K/CRI 80 - 24Vdc

| 2700K | 3000K | 4000K |
|---|---|---|
| ○ FA51828201 | ○ FA51808301 | ○ FA51808201 |
| ● FA51828206 | ● FA51808306 | ● FA51808206 |
| ● FA51828212 | ● FA51808312 | ● FA51808212 |
| ● FA51828218 | ● FA51808318 | ● FA51808218 |
| ● FA51828230 | ● FA51808330 | ● FA51808230 |
| ● FA51828233 | ● FA51808333 | ● FA51808233 |
| ◐ FA51828256 | ◐ FA51808356 | ◐ FA51808256 |

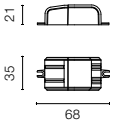
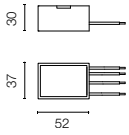
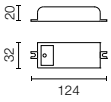
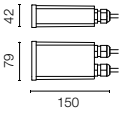
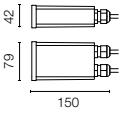
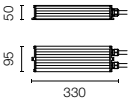
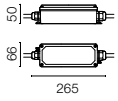



@ 4000K

## Gobi 65: Accessories / Accesorios

| | | | | |
|---|---|---|---|---|
| Box for installation.<br>ø105 H 78mm | Encofrado.<br>ø105 H 78mm | F004Z0K0000 | |  |
| 2 way terminal block 2 poles IP68. (Ø4÷6,9mm cable).<br><br>It can't be placed in the recessed box for installation. | Bloque de terminales IP68 con 2 vías y 2 polos. (Cable Ø4÷6,9mm).<br><br>No se puede alojar en la caja para empotrar. | F990C050000 | |  |

## Gobi 65: Drivers / Equipos

| | | | | |
|---|---|---|---|---|
| Power supply dual function Vout 24Vdc: 8W/100÷240V Iout 350ma: 6x1W/100÷240V IP20 Class II Selv Eq. | Fuente de alimentación con función dual Vout 24Vdc: 8W/100÷240V Iout 350ma: 6x1W/100÷240V IP20 Clase II Selv Eq. | *RF25754 | |  |
| Power supply 24V 8W / 110-240V IP65 Class II selv. | Transformador 24V 8W / 110-240V IP65 Clase II selv. | *RF25748 | |  |
| Power supply 24V 10W /110-240V IP20 Class II selv. | Transformador 24V 10W / 110-240V IP20 Clase II selv. | *RF25747 | |  |
| Power supply 24V 10W / 110-240V IP67 Class II selv. | Transformador 24V 10W / 110-240V IP67 Clase II selv. | *RF25757 | |  |
| Power supply for remote installation 24Vdc 20W / 220-240V IP67 Class II selv. | Transformador para instalación remota 24Vdc 20W / 220-240V IP67 Clase II selv. | *RF25752 | |  |
| Power supply for remote installation 24Vdc 50W / 120-240V IP67 Class II selv. | Transformador para instalación remota 24Vdc 50W / 120-240V IP67 Clase II selv. | *F990B28A000 | |  |
| Power supply for remote installation 24Vdc 70W / 220-240V IP67 Class II selv. | Transformador para instalación remota 24Vdc 70W / 220-240V IP67 Clase II selv. | *F990B27A000 | |  |

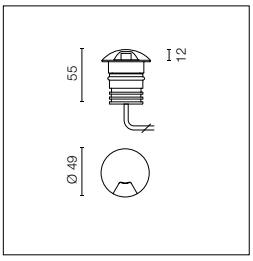
* Maximum number of luminaires per power supply / Número máximo de luminarias por fuente de alimentación.

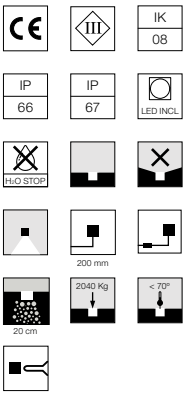
Maximum number of luminaires per power supply. (220÷240 V). These data must be checked taking into account the specific installation conditions.

Número máximo de luminarias por fuente de alimentación (220÷240 V). Estos datos deben ser comprobados teniendo en cuenta las condiciones específicas de instalación.

| | | | |
|---|---|---|---|
| Acc. RF25754 | 1 | Acc. RF25752 | 3 |
| Acc. RF25748 | 1 | Acc. F990B28A000 | 9 |
| Acc. RF25747 | 2 | Acc. F990B27A000 | 17 |
| Acc. RF25757 | 2 | | |

## Gobi 49 Mono




LED source included. 24V dc remote electric power supply to be ordered separately. Requires a junction box to be ordered separately. The luminaire is equipped with a protruding, 200 mm cable with an integrated H2O STOP connection system and a wiring kit with crimp connectors and adhesive heat-shrink tubing guaranteeing the water tightness of the connection. Adjustable light intensity version available upon request.

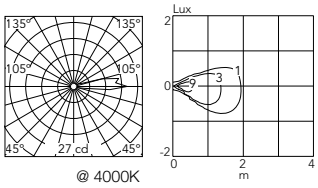
2200K available on request.

Fuente LED incluida. Alimentación eléctrica remota 24V dc que se debe pedir por separado. Necesita caja de registro que se debe pedir separadamente. Dotada de una sección de cable que sobresale 200 mm con sistema integrado de conexión H2O STOP y kit con conectores crimpables y fundas termoretráctiles adhesivas que garantizan la estanqueidad de la conexión.
Versión con intensidad regulable disponible bajo pedido.

2200K disponible bajo pedido.

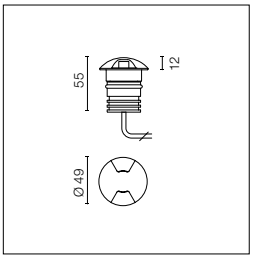
**Power Led:** 2,3W - 139 lm ≠ OUTPUT 10 lm - 2700K/CRI 80 -24Vdc / 2,3W - 149 lm ≠ OUTPUT 11 lm - 3000K/CRI 80 -24Vdc / 2,3W - 162 lm ≠ OUTPUT 12 lm - 4000K/CRI 80 -24Vdc

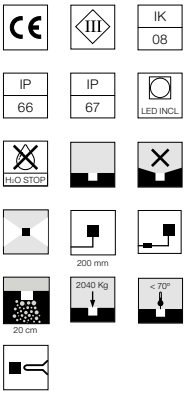
| 2700K | 3000K | 4000K |
|---|---|---|
| FA51702501 | FA51702301 | FA51702201 |
| FA51702506 | FA51702306 | FA51702206 |
| FA51702512 | FA51702312 | FA51702212 |
| FA51702518 | FA51702318 | FA51702218 |
| FA51702530 | FA51702330 | FA51702230 |
| FA51702533 | FA51702333 | FA51702233 |
| FA51702556 | FA51702356 | FA51702256 |




@ 4000K

## Gobi 49 Double




LED source included. 24V dc remote electric power supply to be ordered separately. Requires a junction box to be ordered separately. The luminaire is equipped with a protruding, 200 mm cable with an integrated H2O STOP connection system and a wiring kit with crimp connectors and adhesive heat-shrink tubing guaranteeing the water tightness of the connection. Adjustable light intensity version available upon request.

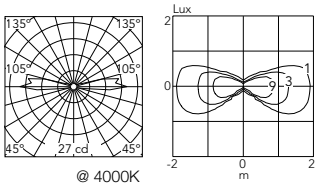
2200K available on request.

Fuente LED incluida. Alimentación eléctrica remota 24V dc que se debe pedir por separado. Necesita caja de registro que se debe pedir separadamente. Dotada de una sección de cable que sobresale 200 mm con sistema integrado de conexión H2O STOP y kit con conectores crimpables y fundas termoretráctiles adhesivas que garantizan la estanqueidad de la conexión.
Versión con intensidad regulable disponible bajo pedido.

2200K disponible bajo pedido.

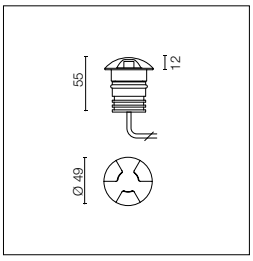
**Power Led:** 2,3W - 2x139 lm ≠ OUTPUT 2x10 lm - 2700K/CRI 80 -24Vdc / 2,3W - 2x149 lm ≠ OUTPUT 2x11 lm - 3000K/CRI 80 -24Vdc / 2,3W - 2x162 lm ≠ OUTPUT 2x12 lm - 4000K/CRI 80 -24Vdc

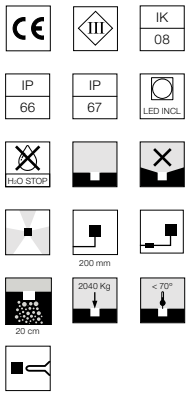
| 2700K | 3000K | 4000K |
|---|---|---|
| FA51703501 | FA51703301 | FA51703201 |
| FA51703506 | FA51703306 | FA51703206 |
| FA51703512 | FA51703312 | FA51703212 |
| FA51703518 | FA51703318 | FA51703218 |
| FA51703530 | FA51703330 | FA51703230 |
| FA51703533 | FA51703333 | FA51703233 |
| FA51703556 | FA51703356 | FA51703256 |




@ 4000K

## Gobi 49 Triple




LED source included. 24V dc remote electric power supply to be ordered separately. Requires a junction box to be ordered separately. The luminaire is equipped with a protruding, 200 mm cable with an integrated H2O STOP connection system and a wiring kit with crimp connectors and adhesive heat-shrink tubing guaranteeing the water tightness of the connection. Adjustable light intensity version available upon request.

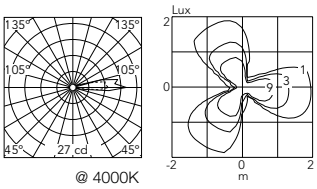
2200K available on request.

Fuente LED incluida. Alimentación eléctrica remota 24V dc que se debe pedir por separado. Necesita caja de registro que se debe pedir separadamente. Dotada de una sección de cable que sobresale 200 mm con sistema integrado de conexión H2O STOP y kit con conectores crimpables y fundas termoretráctiles adhesivas que garantizan la estanqueidad de la conexión.
Versión con intensidad regulable disponible bajo pedido.

2200K disponible bajo pedido.

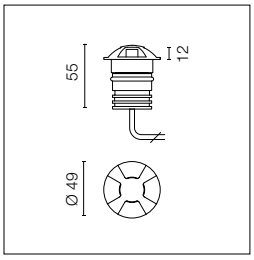
**Power Led:** 2,3W - 3x139 lm ≠ OUTPUT 3x10 lm - 2700K/CRI 80 -24Vdc / 2,3W - 3x149 lm ≠ OUTPUT 3x11 lm - 3000K/CRI 80 -24Vdc / 2,3W - 3x162 lm ≠ OUTPUT 3x12 lm - 4000K/CRI 80 -24Vdc

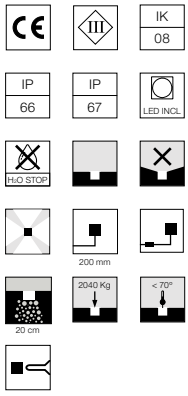
| 2700K | 3000K | 4000K |
|---|---|---|
| FA51704501 | FA51704301 | FA51704201 |
| FA51704506 | FA51704306 | FA51704206 |
| FA51704512 | FA51704312 | FA51704212 |
| FA51704518 | FA51704318 | FA51704218 |
| FA51704530 | FA51704330 | FA51704230 |
| FA51704533 | FA51704333 | FA51704233 |
| FA51704556 | FA51704356 | FA51704256 |




@ 4000K

## Gobi 49 Multi




LED source included. 24V dc remote electric power supply to be ordered separately. Requires a junction box to be ordered separately. The luminaire is equipped with a protruding, 200 mm cable with an integrated H2O STOP connection system and a wiring kit with crimp connectors and adhesive heat-shrink tubing guaranteeing the water tightness of the connection. Adjustable light intensity version available upon request.

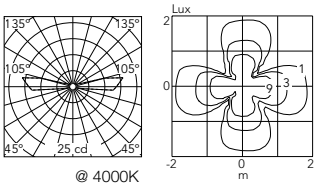
2200K available on request.

Fuente LED incluida. Alimentación eléctrica remota 24V dc que se debe pedir por separado. Necesita caja de registro que se debe pedir separadamente. Dotada de una sección de cable que sobresale 200 mm con sistema integrado de conexión H2O STOP y kit con conectores crimpables y fundas termoretráctiles adhesivas que garantizan la estanqueidad de la conexión.
Versión con intensidad regulable disponible bajo pedido.

2200K disponible bajo pedido.

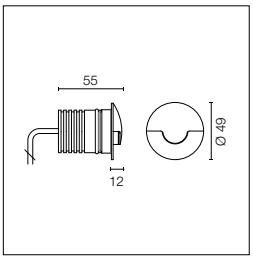
**Power Led:** 2,3W - 4x139 lm ≠ OUTPUT 4x10 lm - 2700K/CRI 80 -24Vdc / 2,3W - 4x149 lm ≠ OUTPUT 4x11 lm - 3000K/CRI 80 -24Vdc / 2,3W - 4x162 lm ≠ OUTPUT 4x12 lm - 4000K/CRI 80 -24Vdc

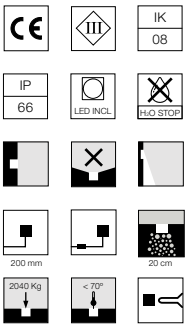
| 2700K | 3000K | 4000K |
|---|---|---|
| FA51705501 | FA51705301 | FA51705201 |
| FA51705506 | FA51705306 | FA51705206 |
| FA51705512 | FA51705312 | FA51705212 |
| FA51705518 | FA51705318 | FA51705218 |
| FA51705530 | FA51705330 | FA51705230 |
| FA51705533 | FA51705333 | FA51705233 |
| FA51705556 | FA51705356 | FA51705256 |




@ 4000K

## Gobi 49 Wall Path




LED source included. 24V dc remote electric power supply to be ordered separately. Requires a junction box to be ordered separately. The luminaire is equipped with a protruding, 200 mm cable and a wiring kit with crimp connectors and adhesive heat-shrink tubing guaranteeing the water tightness of the connection. Adjustable light intensity version available upon request.

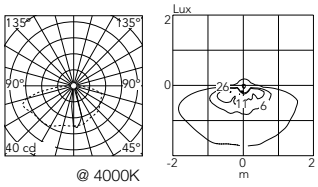
2200K available on request.

Fuente LED incluida. Fuente de alimentación eléctrica remota 24V dc que se debe pedir por separado. Necesita caja de registro que se debe pedir por separado. Dotada de una sección de cable que sobresale 200 mm y kit con conectores crimpables y fundas termoretráctiles adhesivas que garantizan la estanqueidad de la conexión.
Versión con intensidad regulable disponible bajo pedido.

2200K disponible bajo pedido.

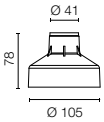
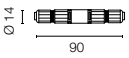
**Power Led:** 2,3W - 139 lm ≠ OUTPUT 36 lm - 2700K/CRI 80 -24Vdc / 2,3W - 149 lm ≠ OUTPUT 39 lm - 3000K/CRI 80 -24Vdc / 2,3W - 162 lm ≠ OUTPUT 42 lm - 4000K/CRI 80 -24Vdc

| 2700K | 3000K | 4000K |
|---|---|---|
| ○ FA51706501 | ○ FA51706301 | ○ FA51706201 |
| ● FA51706506 | ● FA51706306 | ● FA51706206 |
| ● FA51706512 | ● FA51706312 | ● FA51706212 |
| ● FA51706518 | ● FA51706318 | ● FA51706218 |
| ● FA51706530 | ● FA51706330 | ● FA51706230 |
| ● FA51706533 | ● FA51706333 | ● FA51706233 |
| ◐ FA51706556 | ◐ FA51706356 | ◐ FA51706256 |

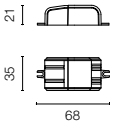
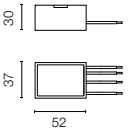
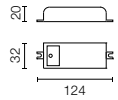
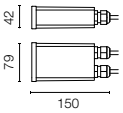
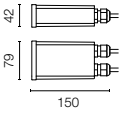
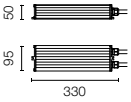
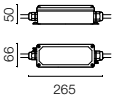


@ 4000K

## Gobi 49: Accessories / Accesorios

| | | | | |
|---|---|---|---|---|
| Box for installation. | Encofrado. | F004Z0J0000 | |   |
| 2 way terminal block 2 poles IP68. (Ø4÷6,9mm cable).<br><br>It can't be placed in the recessed box for installation. | Bloque de terminales IP68 con 2 vías y 2 polos. (Cable Ø4÷6,9mm).<br><br>No se puede alojar en la caja para empotrar. | F990C050000 | |   |

## Gobi 49: Drivers / Equipos

| | | | | |
|---|---|---|---|---|
| Power supply dual function Vout 24Vdc: 8W/100÷240V Iout 350ma: 6x1W/100÷240V IP20 Class II Selv Eq. | Fuente de alimentación con función dual Vout 24Vdc: 8W/100÷240V Iout 350ma: 6x1W/100÷240V IP20 Clase II Selv Eq. | *RF25754 | |   |
| Power supply 24V 8W / 110-240V IP65 Class II selv. | Transformador 24V 8W / 110-240V IP65 Clase II selv. | *RF25748 | |   |
| Power supply 24V 10W /110-240V IP20 Class II selv. | Transformador 24V 10W / 110-240V IP20 Clase II selv. | *RF25747 | |   |
| Power supply 24V 10W / 110-240V IP67 Class II selv. | Transformador 24V 10W / 110-240V IP67 Clase II selv. | *RF25757 | |   |
| Power supply for remote installation 24Vdc 20W / 220-240V IP67 Class II selv. | Transformador para instalación remota 24Vdc 20W / 220-240V IP67 Clase II selv. | *RF25752 | |   |
| Power supply for remote installation 24Vdc 50W / 120-240V IP67 Class II selv. | Transformador para instalación remota 24Vdc 50W / 120-240V IP67 Clase II selv. | *F990B28A000 | |   |
| Power supply for remote installation 24Vdc 70W / 220-240V IP67 Class II selv. | Transformador para instalación remota 24Vdc 70W / 220-240V IP67 Clase II selv. | *F990B27A000 | |   |

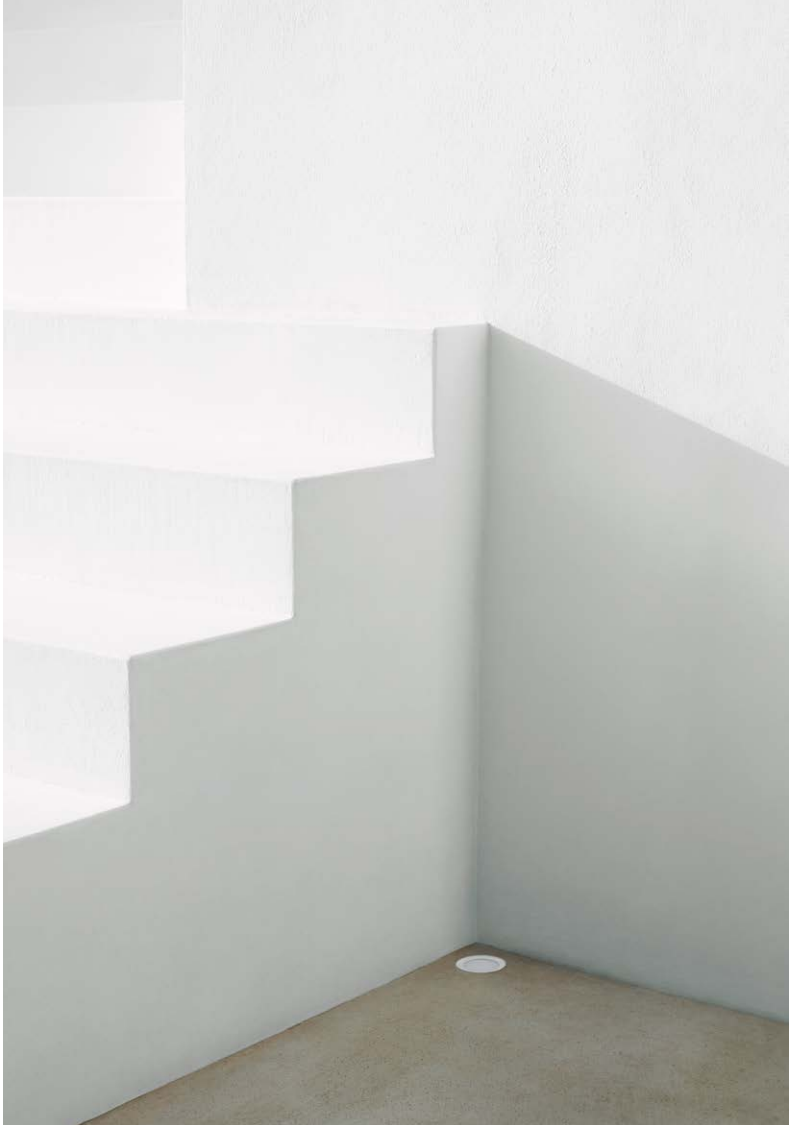
* Maximum number of luminaires per power supply / Número máximo de luminarias por fuente de alimentación.

Maximum number of luminaires per power supply. (220÷240 V). These data must be checked taking into account the specific installation conditions.

Número máximo de luminarias por fuente de alimentación (220÷240 V). Estos datos deben ser comprobados teniendo en cuenta las condiciones específicas de instalación.

| | | | |
|---|---|---|---|
| Acc. RF25754 | 1 | Acc. RF25752 | 5 |
| Acc. RF25748 | 1 | Acc. F990B28A000 | 14 |
| Acc. RF25747 | 4 | Acc. F990B27A000 | 29 |
| Acc. RF25757 | 4 | | |

## C-Me



C-Me

## C-Me Round 40

**Power Led**
up to 2,3W
up to 111 lm - 2700K/CRI 80
up to 121 lm - 3000K/CRI 80
up to 125 lm - 4000K/CRI 80
* Net lumen output
2200K available on request.

## C-Me Round 70

**Power Led**
up to 5,9W
up to 359 lm - 2700K/CRI 80
up to 389 lm - 3000K/CRI 80
up to 404 lm - 4000K/CRI 80
* Net lumen output
2200K available on request.

**RGB - Power Led**
up to 3,4W
3CH x 350mA

## C-Me Square 40

**Power Led**
up to 2,3W
up to 111 lm - 2700K/CRI 80
up to 121 lm - 3000K/CRI 80
up to 125 lm - 4000K/CRI 80
* Net lumen output
2200K available on request.

## C-Me Square 70 / RGB

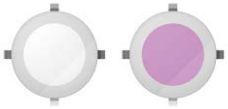
**Power Led**
up to 5,9W
up to 359 lm - 2700K/CRI 80
up to 389 lm - 3000K/CRI 80
up to 404 lm - 4000K/CRI 80
* Net lumen output
2200K available on request.

**RGB - Power Led**
up to 3,4W
3CH x 350mA

## C-Me Opal Round 40

**Mid - Power Led**
up to 0,3W
up to 22 lm - 2700K/CRI 80
up to 23 lm - 3000K/CRI 80
up to 23 lm - 4000K/CRI 80
* Net lumen output

## C-Me Opal Round 70 / RGB



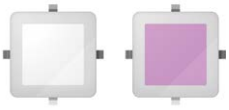
**Mid - Power Led**
up to 0,8W
up to 80 lm - 2700K/CRI 80
up to 82 lm - 3000K/CRI 80
up to 83 lm - 4000K/CRI 80
* Net lumen output

**RGB - Power Led**
up to 3,4W
3CH x 350mA

## C-Me Opal Square 40

**Mid - Power Led**
up to 0,3W
up to 22 lm - 2700K/CRI 80
up to 23 lm - 3000K/CRI 80
up to 23 lm - 4000K/CRI 80
* Net lumen output

## C-Me Opal Square 70 / RGB



**Mid - Power Led**
up to 0,8W
up to 80 lm - 2700K/CRI 80
up to 82 lm - 3000K/CRI 80
up to 83 lm - 4000K/CRI 80
* Net lumen output

**RGB - Power Led**
up to 3,4W
3CH x 350mA

## C-Me Square 100

**Power Led**
up to 7,5W
up to 575 lm - 2700K/CRI 80
up to 616 lm - 3000K/CRI 80
up to 636 lm - 4000K/CRI 80
* Net lumen output
2200K available on request.

## C-Me Rectangle

**Power Led**
up to 15W
up to 1150 lm - 2700K/CRI 80
up to 1232 lm - 3000K/CRI 80
up to 1711 lm - 4000K/CRI 80
* Net lumen output
2200K available on request.

## C-Me Line

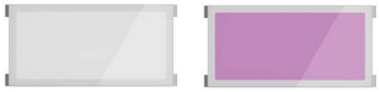
**Power Led**
up to 11,8W
up to 862 lm - 2700K/CRI 80
up to 924 lm - 3000K/CRI 80
up to 955 lm - 4000K/CRI 80
* Net lumen output
2200K available on request.

## C-Me Opal Square 100 / RGB

**Mid - Power Led**
up to 6,8W
up to 396 lm - 2700K/CRI 80
up to 426 lm - 3000K/CRI 80
up to 447 lm - 4000K/CRI 80
* Net lumen output

**RGB Low - Power Led**
up to 6W
3CH x 24Vdc

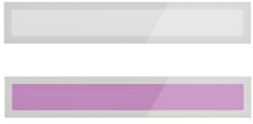
## C-Me Opal Rectangle / RGB



**Mid - Power Led**
up to 15,8W
up to 939 lm- 2700K/CRI 80
up to 426 lm - 3000K/CRI 80
up to 1010 lm - 4000K/CRI 80
* Net lumen output

**RGB Low - Power Led**
up to 10,5W
3CH x 24Vdc

## C-Me Opal Line / RGB



**Mid - Power Led**
up to 10,5W
up to 538 lm - 2700K/CRI 80
up to 578 lm - 3000K/CRI 80
up to 607 lm - 4000K/CRI 80
* Net lumen output

**RGB Low - Power Led**
up to 8W
3CH x 24Vdc

Family of ground recessed and walk-over, or wall recessed, luminaries with LED light source. The luminaires are characterized by an installation flush with the floor, with no visible screws. Available in square and round versions, of different dimensions and with different beam angles. Available in RGB version to create set designs using colored lights. The installation requires a recessed box to be ordered separately. To avoid water stagnation, it is necessary to insulate the lower part of the box with a layer of drainage material or other drainage system. In order to guarantee the preservation of the cable guide, it is recommended to use flexible electric cables specifically designed for outdoor use.

**C-Me**
Ground recessed and walk-over or wall recessed luminaire. Available in two formats (square and round) and two different dimensions for each format. Two beam angles: spot and medium. The structure and sink of the luminaire are made of EN AB-47100 die-cast aluminum (with low copper content). Transparent glass diffuser with black silkscreen border, fixed through a robotic gluing system.

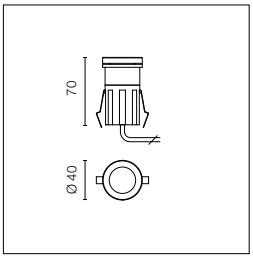
**C-Me Opal**
Ground recessed and walk-over or wall recessed luminaire. Available in two versions (square and round) and two different dimensions for each version. Beam angle for a diffused light. The structure and sink of the luminaire are made of EN AB-47100 die-cast aluminum (with low copper content). Transparent glass diffuser with white silkscreen border. Material inserts for diffusion under the glass. The glass is fixed through a robotic gluing system. The 24V dc luminaire is powered by a remote power supply to be ordered separately.

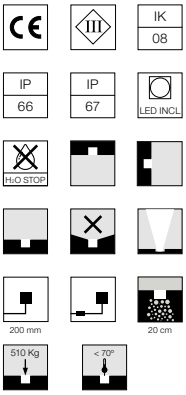
Familia de luminarias con fuente LED, empotrables en suelo y pisables o empotrables en pared. Se caracterizan por la instalación a ras del pavimento sin reborde tope y ausencia de tornillos a la vista. Disponibles en versión cuadrada y redonda, de diferentes dimensiones y con diferentes haces de apertura. Disponibles en versión RGB, para crear escenografías con luces de colores. Para la instalación se necesita una caja empotrable que se debe pedir por separado. Para evitar el estancamiento de agua es necesario aislar la parte inferior de dicha caja mediante una capa de material drenante u otro sistema de drenaje. Para garantizar la estanqueidad del pasacable hay que usar cables eléctricos flexibles y específicos para exteriores.

**C-Me**
Luminaria empotrable en suelo y pisable o en pared. Disponible en dos formatos (cuadrado y redondo) y en dos dimensiones cada uno. Dos haces de apertura, puntual y medio. El cuerpo de la luminaria y el disipador son de aluminio fundido a presión EN AB-47100 (con bajo contenido de cobre). Difusor de vidrio transparente con borde negro serigrafiado, fijado mediante un sistema de encolado robótico.

**C-Me Opal**
Luminaria empotrable en suelo y pisable o en pared. Disponible en dos versiones (cuadrada y redonda) y en dos dimensiones cada una. Haz de apertura para una iluminación difusa. El cuerpo de la luminaria y el disipador son de aluminio fundido a presión EN AB-47100 (con bajo contenido de cobre). Difusor de vidrio transparente con borde blanco serigrafiado y, por debajo del vidrio, insertos de material para la difusión. El vidrio está fijado mediante un sistema de encolado robótico. La luminaria de 24V dc necesita una fuente de alimentación remota que se debe pedir por separado.

## C-Me Round 40




LED source included. 24V dc remote electric power supply to be ordered separately. Requires a junction box to be ordered separately. The luminaire is equipped with a protruding, neoprene, 200 mm cable and a wiring kit with crimp connectors and adhesive heat-shrink tubing guaranteeing the water tightness of the connection. Extra clear transparent glass. Adjustable light intensity version available upon request.

2200K available on request.

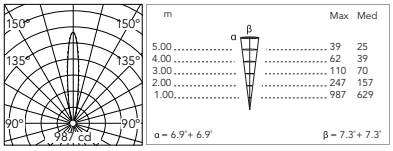
Fuente LED incluida. Fuente de alimentación eléctrica remota 24V dc que se debe pedir por separado. Es necesaria la caja de instalación que se debe pedir por separado. Dotada de una sección de cable de neopreno que sobresale 200 mm y kit con conectores crimpables y fundas termoretráctiles adhesivas que garantizan la estanqueidad de la conexión. Vidrio transparente extraclaro.
Versión con intensidad regulable disponible bajo pedido.

2200K disponible bajo pedido.

**Optic Spot 10º**

**Power Led:** 2,3W - 144 lm ≠ OUTPUT 111 lm - 2700K/CRI 80 -24Vdc / 2,3W - 155 lm ≠ OUTPUT 121 lm - 3000K/CRI 80 -24Vdc / 2,3W - 161 lm ≠ OUTPUT 125 lm - 4000K/CRI 80 -24Vdc

| 2700K | 3000K | 4000K |
|---|---|---|
| FA10018112 | FA10017612 | FA10017712 |

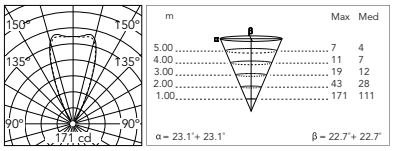



@ 3000K

**Optic Medium 45º**

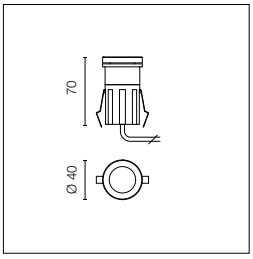
**Power Led:** 2,3W - 144 lm ≠ OUTPUT 102 lm - 2700K/CRI 80 -24Vdc / 2,3W - 155 lm ≠ OUTPUT 110 lm - 3000K/CRI 80 -24Vdc / 2,3W - 161 lm ≠ OUTPUT 114 lm - 4000K/CRI 80 -24Vdc

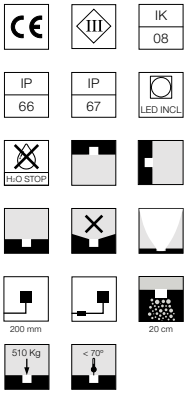
| 2700K | 3000K | 4000K |
|---|---|---|
| FA10018140 | FA10017640 | FA10017740 |




@ 3000K

## C-Me Opal Round 40




LED source included. 24V dc remote electric power supply to be ordered separately. Requires a junction box to be ordered separately. The luminaire is equipped with a protruding, neoprene, 200 mm cable and a wiring kit with crimp connectors and adhesive heat-shrink tubing guaranteeing the water tightness of the connection. Glass with opal diffuser. Adjustable light intensity.

2200K available on request.

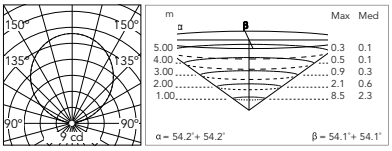
Fuente LED incluida. Fuente de alimentación eléctrica remota 24V dc que se debe pedir por separado. Es necesaria la caja de instalación que se debe pedir por separado. Dotada de una sección de cable de neopreno que sobresale 200 mm y kit con conectores crimpables y fundas termoretráctiles adhesivas que garantizan la estanqueidad de la conexión.
Intensidad regulable.
Vidrio con difusor opal.

2200K disponible bajo pedido.

**Diffused Light**

**Mid-Power Led:** 0,3W - 42 lm ≠ OUTPUT 22 lm - 2700K/CRI 80 -24Vdc / 0,3W - 44 lm ≠ OUTPUT 23 lm - 3000K/CRI 80 -24Vdc / 0,3W - 45 lm ≠ OUTPUT 23 lm - 4000K/CRI 80 -24Vdc

| 2700K | 3000K | 4000K |
|---|---|---|
| FA100181118 | FA100176118 | FA100177118 |



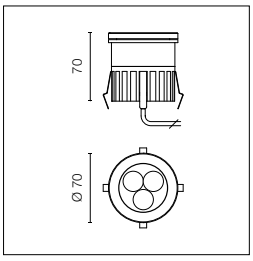

@ 3000K

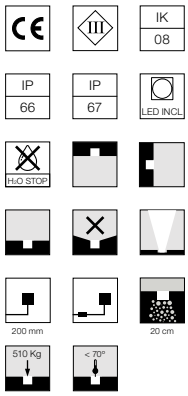
* Maximum number of luminaires per power supply / Número máximo de luminarias por fuente de alimentación.

Maximum number of luminaires per power supply. (220÷240 V). These data must be checked taking into account the specific installation conditions.

Número máximo de luminarias por fuente de alimentación (220÷240 V). Estos datos deben ser comprobados teniendo en cuenta las condiciones específicas de instalación.

| | | | | | |
|---|---|---|---|---|---|
| Acc. RF25754 | 1 | Acc. RF25752 | 5 | Acc. F990B21A000 | 30 |
| Acc. RF25748 | 1 | Acc. F990B28A000 | 14 | Acc. RF26387.A | 30 |
| Acc. RF25747 | 4 | Acc. F990B27A000 | 29 | | |
| Acc. RF25757 | 4 | Acc. RF25750 | 30 | | |




LED source included. 24V dc remote electric power supply to be ordered separately. Requires a junction box to be ordered separately. The luminaire is equipped with a protruding, neoprene, 200 mm cable with an integrated H2O STOP connection system and a wiring kit with crimp connectors and adhesive heat-shrink tubing guaranteeing the water tightness of the connection. Extra clear transparent glass. Adjustable light intensity version available upon request.

2200K available on request.

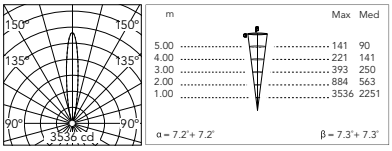
Fuente LED incluida. Alimentación eléctrica remota 24V dc que se debe pedir por separado. Es necesaria la caja de instalación que se debe pedir por separado. Dotada de una sección de cable de neopreno que sobresale 200 mm con sistema de unión integrado H2O STOP y kit con conectores crimpables y tubo termoretráctil adhesivo para la estanqueidad de la conexión. Vidrio transparente extraclaro. Versión con intensidad regulable disponible bajo pedido.

2200K disponible bajo pedido.

**Optic Spot 10º**

**Power Led:** 5,9W - 431 lm ≠ OUTPUT 359 lm - 2700K/CRI 80 - 24Vdc / 5,9W - 466 lm ≠ OUTPUT 389 lm - 3000K/CRI 80 - 24Vdc / 5,9W - 484 lm ≠ OUTPUT 404 lm - 4000K/CRI 80 - 24Vdc

| 2700K | 3000K | 4000K |
|---|---|---|
| FA10018212 | FA10017912 | FA10018012 |

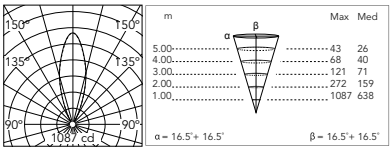



@ 3000K

**Optic Medium 30º**

**Power Led:** 5,9W - 431 lm ≠ OUTPUT 364 lm - 2700K/CRI 80 - 24Vdc / 5,9W - 466 lm ≠ OUTPUT 395 lm - 3000K/CRI 80 - 24Vdc / 5,9W - 484 lm ≠ OUTPUT 410 lm - 4000K/CRI 80 - 24Vdc

| 2700K | 3000K | 4000K |
|---|---|---|
| FA10018230 | FA10017930 | FA10018030 |

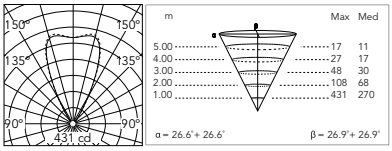



@ 3000K

**Optic Flood 50º**

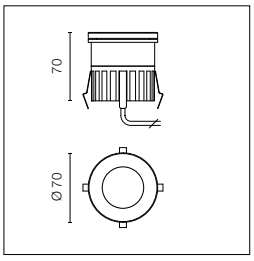
**Power Led:** 5,9W - 431 lm ≠ OUTPUT 329 lm - 2700K/CRI 80 - 24Vdc / 5,9W - 466 lm ≠ OUTPUT 357 lm - 3000K/CRI 80 - 24Vdc / 5,9W - 484 lm ≠ OUTPUT 371 lm - 4000K/CRI 80 - 24Vdc

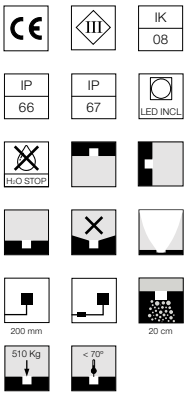
| 2700K | 3000K | 4000K |
|---|---|---|
| FA10018240 | FA10017940 | FA10018040 |




@ 3000K

## C-Me Opal Round 70




LED source included. 24V dc remote electric power supply to be ordered separately. Requires a junction box to be ordered separately. The luminaire is equipped with a protruding, neoprene, 200 mm cable with an integrated H2O STOP connection system and a wiring kit with crimp connectors and adhesive heat-shrink tubing guaranteeing the water tightness of the connection. Glass with opal diffuser. Adjustable light intensity.

2200K available on request.

Fuente LED incluida. Alimentación eléctrica remota 24V dc que se debe pedir por separado. Es necesaria la caja de instalación que se debe pedir por separado. Dotada de una sección de cable de neopreno que sobresale 200 mm con sistema de unión integrado H2O STOP y kit con conectores crimpables y tubo termoretráctil adhesivo para la estanqueidad de la conexión. Vidrio con difusor opal.
Intensidad regulable.

2200K disponible bajo pedido.

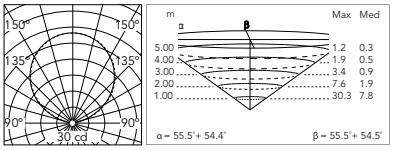
**Diffused Light**

**Mid-Power Led:** 0,8W - 127 lm ≠ OUTPUT 80 lm - 2700K/CRI 80 - 24Vdc / 0,8W - 131 lm ≠ OUTPUT 82 lm - 3000K/CRI 80 - 24Vdc / 0,8W - 136 lm ≠ OUTPUT 83 lm - 4000K/CRI 80 - 24Vdc

**2700K**
FA100182122

**3000K**
FA100179122

**4000K**
FA100180122




@ 3000K

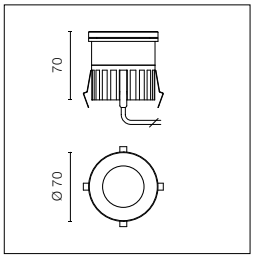
* Maximum number of luminaires per power supply / Número máximo de luminarias por fuente de alimentación.

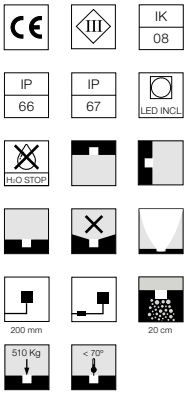
Maximum number of luminaires per power supply. (220÷240 V). These data must be checked taking into account the specific installation conditions.

Número máximo de luminarias por fuente de alimentación (220÷240 V). Estos datos deben ser comprobados teniendo en cuenta las condiciones específicas de instalación.

| | |
|---|---|
| Acc. RF25747 | 1 |
| Acc. RF25757 | 1 |
| Acc. RF25752 | 2 |
| Acc. F990B28A000 | 6 |
| Acc. F990B27A000 | 12 |
| Acc. RF25750 | 10 |
| Acc. F990B21A000 | 10 |
| Acc. RF26387.A | 10 |

## C-Me Round 70 RGB




LED source included. Remote electric power supply with DMX 3chx350mA interface, to be ordered separately. Requires a junction box to be ordered separately. The luminaire is equipped with a protruding, neoprene, 200 mm cable and a wiring kit with crimp connectors and adhesive heat-shrink tubing guaranteeing the water tightness of the connection.
Extra clear transparent glass.

**Wiring diagram and installation scheme RGB.**

Max 10 luminaires C-Me Round 70 LED RGB for each code F990B22A000.

See Wiring Diagram n.5 Page 878.

Fuente LED incluida. Fuente de alimentación eléctrica remota con interfaz DMX 3chx350mA que se debe pedir por separado. Necesita caja de instalación que se debe pedir por separado. Dotada de una sección de cable de neopreno que sobresale 200 mm y kit con conectores crimpables y fundas termoretráctiles adhesivas que garantizan la estanqueidad de la conexión. Vidrio transparente extraclaro.

**Esquema eléctrico e instalación sistema RGB.**

Máximo 10 luminaires C-Me Round 70 LED RGB para cada código F990B22A000.

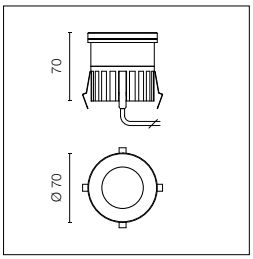
Ver Esquema Eléctrico n.5 Página 878.

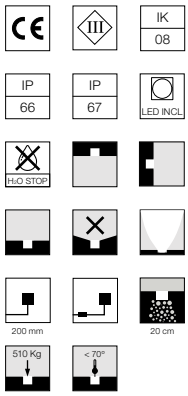
**RGB Power Led:** 3,4W - 3CH x 350mA

**Optic Spot 10º**
FA10017412

**Optic Medium 35º**
FA10017440

Photometric data on request.




LED source included. Remote electric power supply with DMX 3chx350mA interface, to be ordered separately. Requires a junction box to be ordered separately. The luminaire is equipped with a protruding, neoprene, 200 mm cable and a wiring kit with crimp connectors and adhesive heat-shrink tubing guaranteeing the water tightness of the connection. Glass with opal diffuser.

**Wiring diagram and installation scheme RGB.**

Max 10 luminaires C-Me Opal Round 70 LED RGB for each code F990B22A000.

See Wiring Diagram n.5 Page 878.

Fuente LED incluida. Fuente de alimentación eléctrica remota con interfaz DMX 3chx350mA que se debe pedir por separado. Necesita caja de instalación que se debe pedir por separado. Dotada de una sección de cable de neopreno que sobresale 200 mm y kit con conectores crimpables y fundas termoretráctiles adhesivas que garantizan la estanqueidad de la conexión. Vidrio con difusor opal.

**Esquema eléctrico e instalación sistema RGB.**

Máximo 10 luminaires C-Me Opal Round 70 LED RGB para cada código F990B22A000.

Ver Esquema Eléctrico n.5 Página 878.

**Diffused Light**

**RGB Power Led:** 3,4W - 3CH x 350mA

**RGB**

FA100174122

Photometric data on request.

* Maximum number of luminaires per power supply / Número máximo de luminarias por fuente de alimentación.

Maximum number of luminaires per power supply. (220÷240 V). These data must be checked taking into account the specific installation conditions.

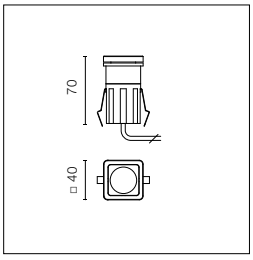
Número máximo de luminarias por fuente de alimentación (220÷240 V). Estos datos deben ser comprobados teniendo en cuenta las condiciones específicas de instalación.

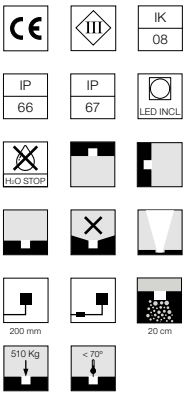
Acc. F990B22A000 **10

**The voltage at the end of the system depends on the number of fixtures connected in series, please comply with CEI 64-8 standards.

**La tensión en los extremos del sistema depende del número de luminarias conectadas en serie, atenerse a la normativa CEI 64-8.

## C-Me Square 40




LED source included. 24V dc remote electric power supply to be ordered separately. Requires a junction box to be ordered separately. The luminaire is equipped with a protruding, neoprene, 200 mm cable and a wiring kit with crimp connectors and adhesive heat-shrink tubing guaranteeing the water tightness of the connection. . Extra clear transparent glass. Adjustable light intensity version available upon request.

2200K available on request.

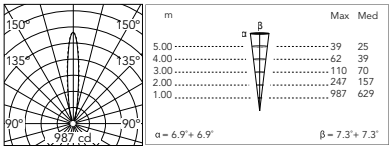
Fuente LED incluida. Fuente de alimentación eléctrica remota 24V dc que se debe pedir por separado. Es necesaria la caja de instalación que se debe pedir por separado. Dotada de una sección de cable de neopreno que sobresale 200 mm y kit con conectores crimpables y fundas termoretráctiles adhesivas que garantizan la estanqueidad de la conexión. Vidrio transparente extraclaro.
Versión con intensidad regulable disponible bajo pedido.

2200K disponible bajo pedido.

**Optic Spot 10º**

**Power Led:** 2,3W - 144 lm ≠ OUTPUT 111 lm - 2700K/CRI 80 -24Vdc / 2,3W - 155 lm ≠ OUTPUT 121 lm - 3000K/CRI 80 -24Vdc / 2,3W - 161 lm ≠ OUTPUT 125 lm - 4000K/CRI 80 -24Vdc

| 2700K | 3000K | 4000K |
|---|---|---|
| FA100181133 | FA100176133 | FA100177133 |

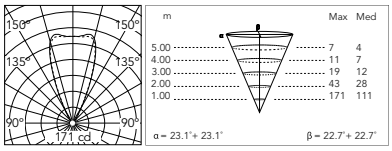



@ 3000K

**Optic Medium 45º**

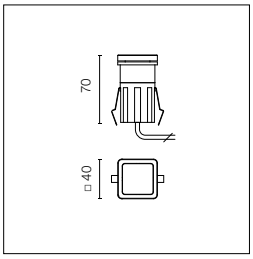
**Power Led:** 2,3W - 144 lm ≠ OUTPUT 102 lm - 2700K/CRI 80 -24Vdc / 2,3W - 155 lm ≠ OUTPUT 110 lm - 3000K/CRI 80 -24Vdc / 2,3W - 161 lm ≠ OUTPUT 114 lm - 4000K/CRI 80 -24Vdc

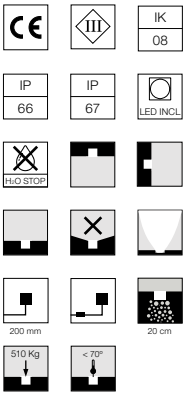
| 2700K | 3000K | 4000K |
|---|---|---|
| FA10018141 | FA10017641 | FA10017741 |




@ 3000K

## C-Me Opal Square 40




LED source included. 24V dc remote electric power supply to be ordered separately. Requires a junction box to be ordered separately. The luminaire is equipped with a protruding, neoprene, 200 mm cable and a wiring kit with crimp connectors and adhesive heat-shrink tubing guaranteeing the water tightness of the connection. . Glass with opal diffuser. Adjustable light intensity.

2200K available on request.

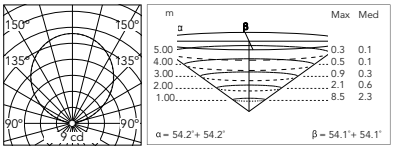
Fuente LED incluida. Fuente de alimentación eléctrica remota 24V dc que se debe pedir por separado. Es necesaria la caja de instalación que se debe pedir por separado. Dotada de una sección de cable de neopreno que sobresale 200 mm y kit con conectores crimpables y fundas termoretráctiles adhesivas que garantizan la estanqueidad de la conexión. Vidrio transparente extraclaro.
Versión con intensidad regulable disponible bajo pedido.

2200K disponible bajo pedido.

**Diffused Light**

**Mid-Power Led:** 0,3W - 42 lm ≠ OUTPUT 22 lm - 2700K/CRI 80 -24Vdc / 0,3W - 44 lm ≠ OUTPUT 23 lm - 3000K/CRI 80 -24Vdc / 0,3W - 45 lm ≠ OUTPUT 23 lm - 4000K/CRI 80 -24Vdc

| 2700K | 3000K | 4000K |
|---|---|---|
| FA100181124 | FA100176124 | FA100177124 |



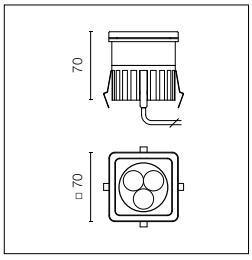

@ 3000K

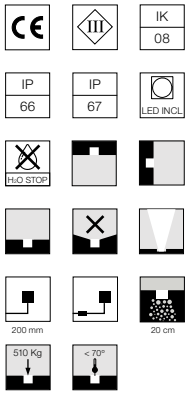
* Maximum number of luminaires per power supply / Número máximo de luminarias por fuente de alimentación.

Maximum number of luminaires per power supply. (220÷240 V). These data must be checked taking into account the specific installation conditions.

Número máximo de luminarias por fuente de alimentación (220÷240 V). Estos datos deben ser comprobados teniendo en cuenta las condiciones específicas de instalación.

| | | | | | |
|---|---|---|---|---|---|
| Acc. RF25754 | 1 | Acc. RF25752 | 5 | Acc. F990B21A000 | 30 |
| Acc. RF25748 | 1 | Acc. F990B28A000 | 14 | Acc. RF26387.A | 30 |
| Acc. RF25747 | 4 | Acc. F990B27A000 | 29 | | |
| Acc. RF25757 | 4 | Acc. RF25750 | 30 | | |




LED source included. 24V dc remote electric power supply to be ordered separately. Requires a junction box to be ordered separately. The luminaire is equipped with a protruding, neoprene, 200 mm cable with an integrated H2O STOP connection system and a wiring kit with crimp connectors and adhesive heat-shrink tubing guaranteeing the water tightness of the connection. Extra clear transparent glass. Adjustable light intensity version available upon request.

2200K available on request.

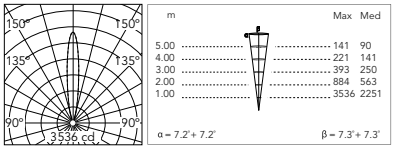
Fuente LED incluida. Alimentación eléctrica remota 24V dc que se debe pedir por separado. Es necesaria la caja de instalación que se debe pedir por separado. Dotada de una sección de cable de neopreno que sobresale 200 mm con sistema de unión integrado H2O STOP y kit con conectores crimpables y tubo termoretráctil adhesivo para la estanqueidad de la conexión. Vidrio transparente extraclaro. Versión con intensidad regulable disponible bajo pedido.

2200K disponible bajo pedido.

**Optic Spot 10º**

**Power Led:** 5,9W - 431 lm ≠ OUTPUT 359 lm - 2700K/CRI 80 - 24Vdc / 5,9W - 466 lm ≠ OUTPUT 389 lm - 3000K/CRI 80 - 24Vdc / 5,9W - 484 lm ≠ OUTPUT 404 lm - 4000K/CRI 80 - 24Vdc

| 2700K | 3000K | 4000K |
|---|---|---|
| FA100182132 | FA100179132 | FA100180132 |

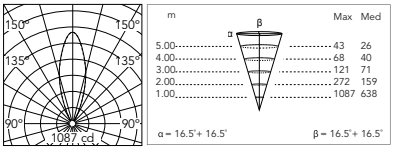



@ 3000K

**Optic Medium 30º**

**Power Led:** 5,9W - 431 lm ≠ OUTPUT 364 lm - 2700K/CRI 80 - 24Vdc / 5,9W - 466 lm ≠ OUTPUT 395 lm - 3000K/CRI 80 - 24Vdc / 5,9W - 484 lm ≠ OUTPUT 410 lm - 4000K/CRI 80 - 24Vdc

| 2700K | 3000K | 4000K |
|---|---|---|
| FA100182130 | FA100179130 | FA100180130 |

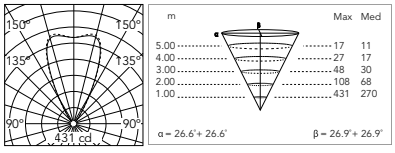



@ 3000K

**Optic Flood 50º**

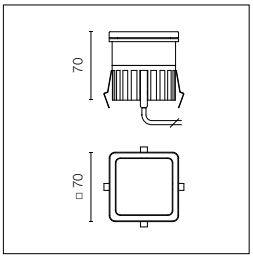
**Power Led:** 5,9W - 431 lm ≠ OUTPUT 329 lm - 2700K/CRI 80 - 24Vdc / 5,9W - 466 lm ≠ OUTPUT 357 lm - 3000K/CRI 80 - 24Vdc / 5,9W - 484 lm ≠ OUTPUT 371 lm - 4000K/CRI 80 - 24Vdc

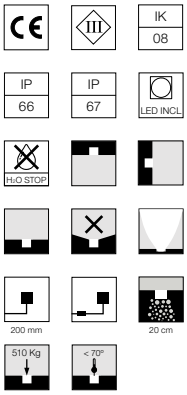
| 2700K | 3000K | 4000K |
|---|---|---|
| FA10018241 | FA10017941 | FA10018041 |




@ 3000K

## C-Me Opal Square 70




LED source included. 24V dc remote electric power supply to be ordered separately. Requires a junction box to be ordered separately. The luminaire is equipped with a protruding, neoprene, 200 mm cable with an integrated H2O STOP connection system and a wiring kit with crimp connectors and adhesive heat-shrink tubing guaranteeing the water tightness of the connection. Glass with opal diffuser. Adjustable light intensity.

2200K available on request.

Fuente LED incluida. Alimentación eléctrica remota 24V dc que se debe pedir por separado. Es necesaria la caja de instalación que se debe pedir por separado. Dotada de una sección de cable de neopreno que sobresale 200 mm con sistema de unión integrado H2O STOP y kit con conectores crimpables y tubo termoretráctil adhesivo para la estanqueidad de la conexión. Vidrio con difusor opal.
Intensidad regulable.

2200K disponible bajo pedido.

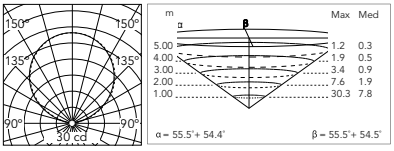
**Diffused Light**

**Mid-Power Led:** 0,8W - 127 lm ≠ OUTPUT 80 lm - 2700K/CRI 80 - 24Vdc / 0,8W - 131 lm ≠ OUTPUT 82 lm - 3000K/CRI 80 - 24Vdc / 0,8W - 136 lm ≠ OUTPUT 83 lm - 4000K/CRI 80 - 24Vdc

**2700K**
FA100182125

**3000K**
FA100179125

**4000K**
FA100180125




@ 3000K

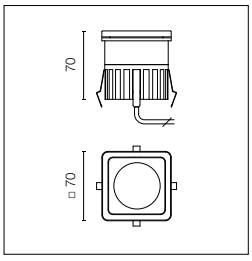
* Maximum number of luminaires per power supply / Número máximo de luminarias por fuente de alimentación.

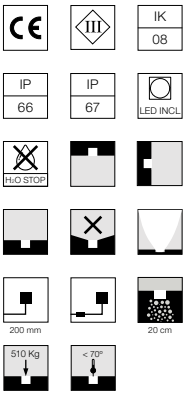
Maximum number of luminaires per power supply. (220÷240 V). These data must be checked taking into account the specific installation conditions.

Número máximo de luminarias por fuente de alimentación (220÷240 V). Estos datos deben ser comprobados teniendo en cuenta las condiciones específicas de instalación.

| | | | | | |
|---|---|---|---|---|---|
| Acc. RF25747 | 1 | Acc. F990B28A000 | 6 | Acc. F990B21A000 | 10 |
| Acc. RF25757 | 1 | Acc. F990B27A000 | 12 | Acc. RF26387.A | 10 |
| Acc. RF25752 | 2 | Acc. RF25750 | 10 | | |

## C-Me Square 70 RGB




LED source included. Remote electric power supply with DMX 3chx350mA interface, to be ordered separately. Requires a junction box to be ordered separately. The luminaire is equipped with a protruding, neoprene, 200 mm cable and a wiring kit with crimp connectors and adhesive heat-shrink tubing guaranteeing the water tightness of the connection.
Extra clear transparent glass.

**Wiring diagram and installation scheme RGB.**

Max 10 luminaires C-Me Square 70 LED RGB for each code F990B22A000.

See Wiring Diagram n.5 Page 878.

Fuente LED incluida. Fuente de alimentación eléctrica remota con interfaz DMX 3chx350mA que se debe pedir por separado. Necesita caja de instalación que se debe pedir por separado. Dotada de una sección de cable de neopreno que sobresale 200 mm y kit con conectores crimpables y fundas termoretráctiles adhesivas que garantizan la estanqueidad de la conexión. Vidrio transparente extraclaro.

**Esquema eléctrico e instalación sistema RGB.**

Máximo 10 luminaires C-Me Square 70 LED RGB para cada código F990B22A000.

Ver Esquema Eléctrico n.5 Página 878.

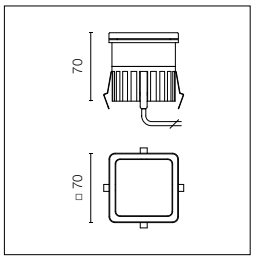
**RGB Power Led:** 3,4W - 3CH x 350mA

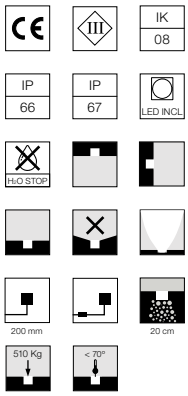
**Optic Spot 10°**
FA100174132

**Optic Medium 35°**
FA10017441

Photometric data on request.

## C-Me Opal Square 70 RGB




LED source included. Remote electric power supply with DMX 3chx350mA interface, to be ordered separately. Requires a junction box to be ordered separately. The luminaire is equipped with a protruding, neoprene, 200 mm cable and a wiring kit with crimp connectors and adhesive heat-shrink tubing guaranteeing the water tightness of the connection.
Glass with opal diffuser.

**Wiring diagram and installation scheme RGB.**

Max 10 luminaires C-Me Opal Square 70 LED RGB for each code F990B22A000.

See Wiring Diagram n.5
Page 878.

Fuente LED incluida. Fuente de alimentación eléctrica remota 24V dc que se debe pedir por separado. Es necesaria la caja de instalación que se debe pedir por separado. Dotada de una sección de cable de neopreno que sobresale 200 mm y kit con conectores crimpables y fundas termoretráctiles adhesivas que garantizan la estanqueidad de la conexión. Vidrio con difusor opal.

**Esquema eléctrico e instalación sistema RGB.**

Máximo 10 luminaires C-Me Opal Square 70 LED RGB para cada código F990B22A000.

Ver Esquema Eléctrico n.5
Página 878.

**Diffused Light**

**RGB Power Led:** 3,4W - 3CH x 350mA

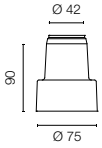
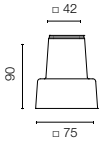
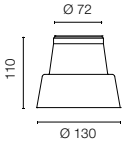
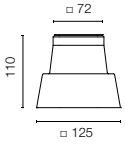
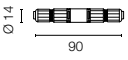
**RGB**
FA100174125

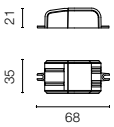
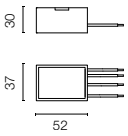
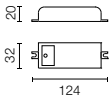
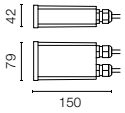
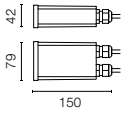
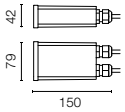
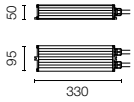
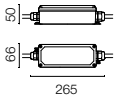
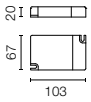
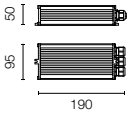
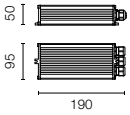
Photometric data on request.

* Maximum number of luminaires per power supply / Número máximo de luminarias por fuente de alimentación.

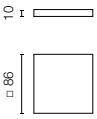
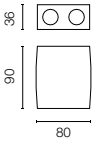
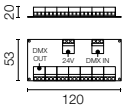
| | | | | |
|---|---|---|---|---|
| Maximum number of luminaires per power supply. (220÷240 V). These data must be checked taking into account the specific installation conditions. | Número máximo de luminarias por fuente de alimentación (220÷240 V). Estos datos deben ser comprobados teniendo en cuenta las condiciones específicas de instalación. | Acc. F990B22A000 **10 | **The voltage at the end of the system depends on the number of fixtures connected in series, please comply with CEI 64-8 standards. | **La tensión en los extremos del sistema depende del número de luminarias conectadas en serie, atenerse a la normativa CEI 64-8. |

## C-Me: Accessories / Accesorios

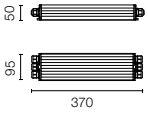
| | | | | |
|---|---|---|---|---|
| Box for installation. | Encofrado. | C-Me Ø40<br>FA98 | |   |
| Box for installation. | Encofrado. | C-Me 40x40<br>FA99 | |   |
| Box for installation. | Encofrado. | C-Me Ø70<br>FA101 | |   |
| Box for installation. | Encofrado. | C-Me 70x70<br>FA102 | |   |
| 2 way terminal block 2 poles IP68. (Ø4÷6,9mm cable).<br><br>It can't be placed in the recessed box for installation. | Bloque de terminales IP68 con 2 vías y 2 polos. (Cable Ø4÷6,9mm).<br><br>No se puede alojar en la caja para empotrar. | F990C050000 | |   |

| | | | | |
|---|---|---|---|---|
| Power supply dual function Vout 24Vdc: 8W/100÷240V Iout 350ma: 6x1W/100÷240V IP20 Class II Selv Eq. | Fuente de alimentación con función dual Vout 24Vdc: 8W/100÷240V Iout 350ma: 6x1W/100÷240V IP20 Clase II Selv Eq. | C-Me 40mm<br>*RF25754 | |  |
| Power supply 24V 8W / 110-240V IP65 Class II selv. | Transformador 24V 8W / 110-240V IP65 Clase II selv. | C-Me 40mm<br>*RF25748 | |  |
| Power supply 24V 10W /110-240V IP20 Class II selv. | Transformador 24V 10W / 110-240V IP20 Clase II selv. | *RF25747 | |  |
| Power supply 24V 10W / 110-240V IP67 Class II selv. | Transformador 24V 10W / 110-240V IP67 Clase II selv. | *RF25757 | |  |
| Power supply for remote installation 24Vdc 20W / 220-240V IP67 Class II selv. | Transformador para instalación remota 24Vdc 20W / 220-240V IP67 Clase II selv. | *RF25752 | |  |
| Power supply 24Vdc 35W / 120-270V IP67 Class II selv. | Fuente de alimentación 24Vdc 35W / 120-270V IP67 Clase II selv. | F990B23AZ00 | |  |
| Power supply 24Vdc 50W / 120-240V IP67 Class II selv. | Transformador 24Vdc 50W / 120-240V IP67 Clase II selv. | *F990B28A000 | |  |
| Power supply 24Vdc 70W / 220-240V IP67 Class II selv. | Transformador 24Vdc 70W / 220-240V IP67 Clase II selv. | *F990B27A000 | |  |
| Power supply for remote installation 24Vdc 17W / 110-240V (15W@110V) IP20 Class II selv. | Transformador para instalación remota 24Vdc 17W / 110-240V (15W@110V) IP20 Clase II selv. | Diffused Light<br>*RF25750<br>Dimmable Push-Dim Or 1-10V<br>See Wiring Diagram n.4. Page 876 | |  |
| Alimentatore 17W/110÷240V - 24Vdc (15W@110V) IP67 Classe II Selv. | Transformador 17W/110÷240V - 24Vdc (15W@110V) IP67 Classe II Selv. | Diffused Light<br>*F990B21A000<br>Dimmable Push-Dim Or 1-10V<br>See Wiring Diagram n.4. Page 876 | |  |
| Power supply for remote installation 24Vdc 20W / 110-240Vdc (15W@110V) IP67 Class II selv. | Transformador para instalación remota 24Vdc 20W / 110-240Vdc (15W@110V) IP67 Clase II selv. | Diffused Light<br>*RF26387.A<br>Dimmable DALI<br>See Wiring Diagram n.4. Page 876 | |  |

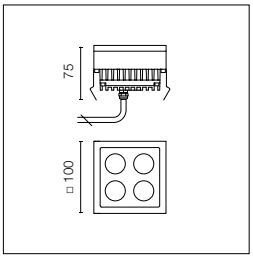
## C-Me RGB: Accessories / Accesorios

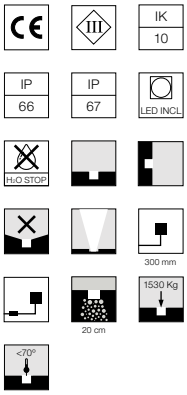
| | | | | |
|---|---|---|---|---|
| DMX controller; dimmer switch for recessed box (60mm hole centres). | Controlador DMX para cajas empotrables. (60 mm distancia entre agujeros). | F990B10A000 | |   |
| DMX controller; stand-alone/pc interface. | Controlador DMX. Interfaz stand/alone pc.. | F990B11A000 | |   |
| DMX splitter 512 - electronic device to regenerate the monodirectional DMX signal 1 Input and 7 output, 12-24Vdc. Power supply not included. | DMX splitter 512- dispositivo electrónico para regenerar la señal dmx monodireccional. 1 entrada y 7 salidas , 12-24 Vdc. Fuente de alimentación no incluida. | F990B13A000 | |   |
| DMX cable - shielded twisted pair with 110 Ohm constant impedance. | Cable DMX apantallado con impedancia constante de 110 Ohm. | F990B12A000 | | |

## C-Me RGB: Drivers / Equipos

| | | | | |
|---|---|---|---|---|
| Power supply with DMX interface for RGB fixtures 36W/220÷240v-3CH x 350mA (3CH x 10 x 1W) DMX control allowed IP67 Class I Selv Eq. | Fuente de alimentación con interfaz dmx para luminarias RGB 36W/220÷240V-3CH x 350mA (3CH x 10 x 1W) ajuste previo DMX IP67 Clase I Selv Eq. | *F990B22A000 | |   |

## C-Me Square 100




LED source included. 24V dc remote electric power supply to be ordered separately. Requires a junction box to be ordered separately. The luminaire is equipped with a protruding, neoprene, 300 mm cable and a wiring kit with crimp connectors and adhesive heat-shrink tubing guaranteeing the water tightness of the connection. Extra clear transparent glass.

2200K available on request.

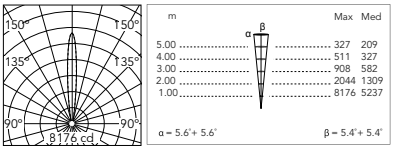
Fuente LED incluida. Fuente de alimentación eléctrica remota 24V dc que se debe pedir por separado. Necesita caja de instalación que se debe pedir por separado. Dotada de una sección de cable de neopreno que sobresale 300 mm y kit con conectores crimpables y fundas termoretráctiles adhesivas que garantizan la estanqueidad de la conexión. Vidrio transparente extraclaro.

2200K disponible bajo pedido.

### Optic Spot 10º

**Power Led:** 7,5W - 773 lm ≠ OUTPUT 575 lm - 2700K/CRI 80 - 24Vdc / 7,5W - 828 lm ≠ OUTPUT 616 lm - 3000K/CRI 80 - 24Vdc / 7,5W - 856 lm ≠ OUTPUT 636 lm - 4000K/CRI 80 -24Vdc

| **2700K** | **3000K** | **4000K** |
|---|---|---|
| FA524015 | FA524013 | FA524012 |

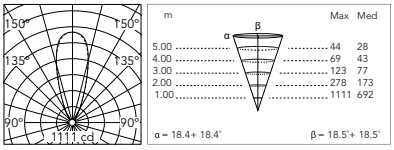



@ 3000K

### Optic Medium 40º

**Power Led:** 7,5W - 773 lm ≠ OUTPUT 529 lm - 2700K/CRI 80 - 24Vdc / 7,5W - 828 lm ≠ OUTPUT 567 lm - 3000K/CRI 80 - 24Vdc / 7,5W - 856 lm ≠ OUTPUT 586 lm - 4000K/CRI 80 -24Vdc

| **2700K** | **3000K** | **4000K** |
|---|---|---|
| FA524025 | FA524023 | FA524022 |




@ 3000K

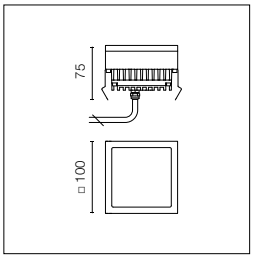
* Maximum number of luminaires per power supply / Número máximo de luminarias por fuente de alimentación.

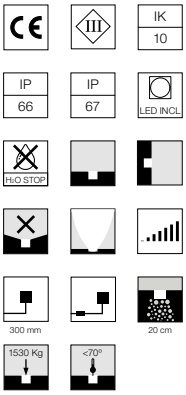
Maximum number of luminaires per power supply. (220÷240 V). These data must be checked taking into account the specific installation conditions.

Número máximo de luminarias por fuente de alimentación (220÷240 V). Estos datos deben ser comprobados teniendo en cuenta las condiciones específicas de instalación.

| | |
|---|---|
| Acc. RF25747 | 1 |
| Acc. RF25757 | 1 |
| Acc. F990B28A000 | 5 |
| Acc. F990B27A000 | 8 |

## C-Me Opal Square 100



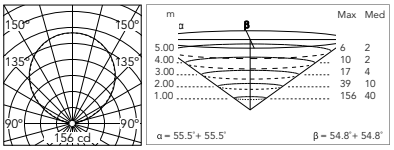

LED source included. 24V dc remote electric power supply to be ordered separately. Requires a junction box to be ordered separately. The luminaire is equipped with a protruding, neoprene, 300 mm cable and a wiring kit with crimp connectors and adhesive heat-shrink tubing guaranteeing the water tightness of the connection. Glass with opal diffuser. Adjustable light intensity.

Fuente LED incluida. Fuente de alimentación eléctrica remota 24V dc que se debe pedir por separado. Necesita caja de instalación que se debe pedir por separado. Dotada de una sección de cable de neopreno que sobresale 300 mm y kit con conectores crimpables y fundas termoretráctiles adhesivas que garantizan la estanqueidad de la conexión.
Vidrio con difusor opal.
Intensidad regulable.

**Diffused Light**

**Mid-Power Led:** 6,8W - 720 lm ≠ OUTPUT 396 lm - 2700K/CRI 80 - 24Vdc / 6,8W - 774 lm ≠ OUTPUT 426 lm - 3000K/CRI 80 - 24Vdc / 6,8W - 813 lm ≠ OUTPUT 447 lm - 4000K/CRI 80 -24Vdc

| **2700K** | **3000K** | **4000K** |
|---|---|---|
| FA524005 | FA524003 | FA524002 |




@ 3000K

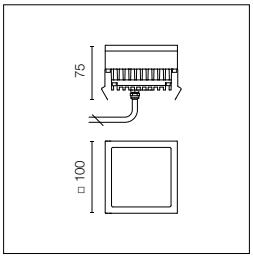
* Maximum number of luminaires per power supply / Número máximo de luminarias por fuente de alimentación.

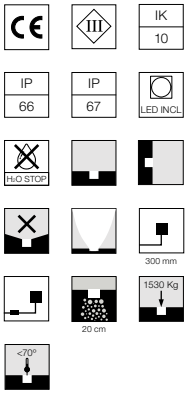
Maximum number of luminaires per power supply. (220÷240 V). These data must be checked taking into account the specific installation conditions.

Número máximo de luminarias por fuente de alimentación (220÷240 V). Estos datos deben ser comprobados teniendo en cuenta las condiciones específicas de instalación.

| | |
|---|---|
| Acc. RF25747 | 1 |
| Acc. RF25757 | 1 |
| Acc. RF25750 | 2 |
| Acc. F990B21A000 | 2 |
| Acc. RF26387.A | 1 |
| Acc. RF25752 | 2 |
| Acc. F990B28A000 | 6 |
| Acc. F990B27A000 | 9 |
| Acc. F990B29A000 | 13 |

## C-Me Opal Square 100 RGB




LED RGB light source included. Remote electric power supply with DMX 3chx24Vdc interface, to be ordered separately. Requires a junction box to be ordered separately. The luminaire is equipped with a protruding, neoprene, 300 mm cable and a wiring kit with crimp connectors and adhesive heat-shrink tubing guaranteeing the water tightness of the connection.
Glass with opal diffuser.

**Wiring diagram and installation scheme RGB.**

Max 8 luminaires C-Me Square 100 LED RGB for each code FA148.

See Wiring Diagram n.6 Page 878.

Fuente LED RGB incluida. Fuente de alimentación eléctrica remota con interfaz DMX 3chx24Vdc que se debe pedir por separado. Necesita caja de conexión que se debe pedir por separado. Dotada de una sección de cable de neopreno que sobresale 300 mm y kit con conectores crimpables y fundas termoretráctiles adhesivas que garantizan la estanqueidad de la conexión. Vidrio con difusor opal.

**Esquema eléctrico e instalación sistema RGB.**

Máximo 8 luminaires C-Me Square 100 LED RGB para cada código FA148.

Ver Esquema Eléctrico n.6 Página 878.

**Diffused Light**

**RGB Power Led:** 6W - 3CH x 24Vdc

**RGB**

FA524004

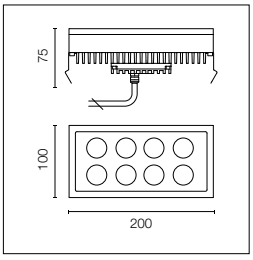
Photometric data on request.

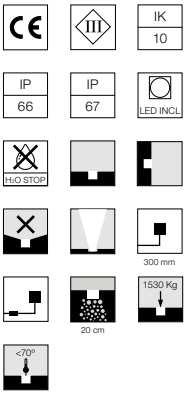
* Maximum number of luminaires per power supply / Número máximo de luminarias por fuente de alimentación.

Maximum number of luminaires per power supply. (220÷240 V). These data must be checked taking into account the specific installation conditions.

Número máximo de luminarias por fuente de alimentación (220÷240 V). Estos datos deben ser comprobados teniendo en cuenta las condiciones específicas de instalación.

| | |
|---|---|
| Acc. FA148 | 8 |




LED source included. 24V dc remote electric power supply to be ordered separately. Requires a junction box to be ordered separately. The luminaire is equipped with a protruding, neoprene, 300 mm cable and a wiring kit with crimp connectors and adhesive heat-shrink tubing guaranteeing the water tightness of the connection. Extra clear transparent glass.

2200K available on request.

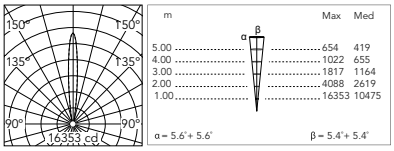
Fuente LED incluida. Fuente de alimentación eléctrica remota 24V dc que se debe pedir por separado. Necesita caja de instalación que se debe pedir por separado. Dotada de una sección de cable de neopreno que sobresale 300 mm y kit con conectores crimpables y fundas termoretráctiles adhesivas que garantizan la estanqueidad de la conexión. Vidrio transparente extraclaro.

2200K disponible bajo pedido.

**Optic Spot 10º**

**Power Led:** 15W - 1546 lm ≠ OUTPUT 1150 lm - 2700K/CRI 80 - 24Vdc / 15W - 1656 lm ≠ OUTPUT 1232 lm - 3000K/CRI 80 - 24Vdc / 15W - 1711 lm ≠ OUTPUT 1273 lm - 4000K/CRI 80 -24Vdc

| 2700K | 3000K | 4000K |
|---|---|---|
| FA524515 | FA524513 | FA524512 |

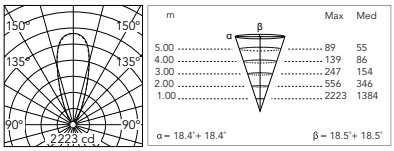



@ 3000K

**Optic Medium 40º**

**Power Led:** 15W - 1546 lm ≠ OUTPUT 1059 lm - 2700K/CRI 80 - 24Vdc / 15W - 1656 lm ≠ OUTPUT 1134 lm - 3000K/CRI 80 - 24Vdc / 15W - 1711 lm ≠ OUTPUT 1172 lm - 4000K/CRI 80 -24Vdc

| 2700K | 3000K | 4000K |
|---|---|---|
| FA524525 | FA524523 | FA524522 |




@ 3000K

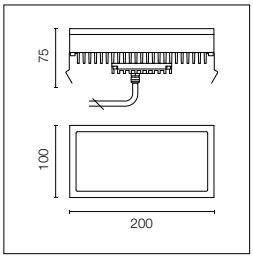
* Maximum number of luminaires per power supply / Número máximo de luminarias por fuente de alimentación.

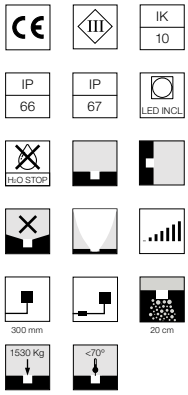
Maximum number of luminaires per power supply. (220÷240 V). These data must be checked taking into account the specific installation conditions.

Número máximo de luminarias por fuente de alimentación (220÷240 V). Estos datos deben ser comprobados teniendo en cuenta las condiciones específicas de instalación.

| | |
|---|---|
| Acc. RF25752 | 1 |
| Acc. F990B28A000 | 2 |
| Acc. F990B27A000 | 4 |

## C-Me Opal Rectangle



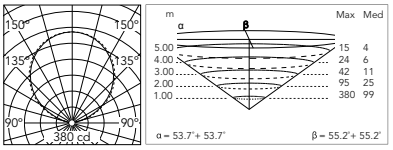

LED source included. 24V dc remote electric power supply to be ordered separately. Requires a junction box to be ordered separately. The luminaire is equipped with a protruding, neoprene, 300 mm cable and a wiring kit with crimp connectors and adhesive heat-shrink tubing guaranteeing the water tightness of the connection. Glass with opal diffuser. Adjustable light intensity.

Fuente LED incluida. Fuente de alimentación eléctrica remota 24V dc que se debe pedir por separado. Necesita caja de instalación que se debe pedir por separado. Dotada de una sección de cable de neopreno que sobresale 300 mm y kit con conectores crimpables y fundas termoretráctiles adhesivas que garantizan la estanqueidad de la conexión.
Vidrio con difusor opal.
Intensidad regulable.

**Diffused Light**

**Mid-Power Led:** 15,8W - 1620 lm ≠ OUTPUT 939 lm - 2700K/CRI 80 - 24Vdc / 15,8W - 1734 lm ≠ OUTPUT 1009 lm - 3000K/CRI 80 - 24Vdc / 15,8W - 1742 lm ≠ OUTPUT 1060 lm - 4000K/CRI 80 -24Vdc

| **2700K** | **3000K** | **4000K** |
|---|---|---|
| FA524505 | FA524503 | FA524502 |




@ 3000K

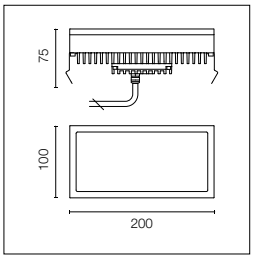
* Maximum number of luminaires per power supply / Número máximo de luminarias por fuente de alimentación.

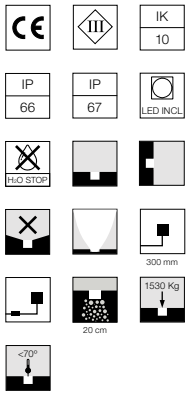
Maximum number of luminaires per power supply. (220÷240 V). These data must be checked taking into account the specific installation conditions.

Número máximo de luminarias por fuente de alimentación (220÷240 V). Estos datos deben ser comprobados teniendo en cuenta las condiciones específicas de instalación.

| | |
|---|---|
| Acc. RF25750 | 1 |
| Acc. F990B21A000 | 1 |
| Acc. RF26387.A | 1 |
| Acc. RF25752 | 1 |
| Acc. F990B28A000 | 3 |
| Acc. F990B27A000 | 4 |
| Acc. F990B29A000 | 6 |

## C-Me Opal Rectangle RGB




LED RGB light source included. Remote electric power supply with DMX 3chx24Vdc interface, to be ordered separately. Requires a junction box to be ordered separately. The luminaire is equipped with a protruding, neoprene, 300 mm cable and a wiring kit with crimp connectors and adhesive heat-shrink tubing guaranteeing the water tightness of the connection.
Glass with opal diffuser.

**Wiring diagram and installation scheme RGB.**

Max 4 luminaires C-Me Rectangle LED RGB for each code FA148.

See Wiring Diagram n.6 Page 878.

Fuente LED RGB incluida. Fuente de alimentación eléctrica remota con interfaz DMX 3chx24Vdc que se debe pedir por separado. Necesita caja de conexión que se debe pedir por separado. Dotada de una sección de cable de neopreno que sobresale 300 mm y kit con conectores crimpables y fundas termoretráctiles adhesivas que garantizan la estanqueidad de la conexión. Vidrio con difusor opal.

**Esquema eléctrico e instalación sistema RGB.**

Máximo 4 luminaires C-Me Rectangle 100 LED RGB para cada código FA148.

Ver Esquema Eléctrico n.6 Página 878.

**Diffused Light**

**RGB Power Led:** 10,5W - 3CH x 24Vdc

**RGB**

FA524504

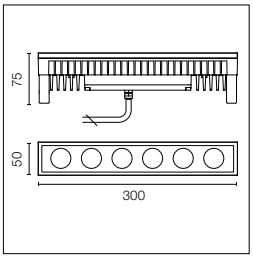
Photometric data on request.

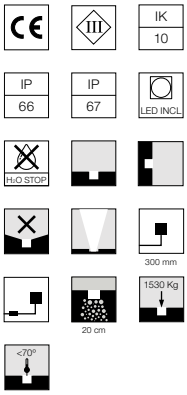
* Maximum number of luminaires per power supply / Número máximo de luminarias por fuente de alimentación.

Maximum number of luminaires per power supply. (220÷240 V). These data must be checked taking into account the specific installation conditions.

Número máximo de luminarias por fuente de alimentación (220÷240 V). Estos datos deben ser comprobados teniendo en cuenta las condiciones específicas de instalación.

| | |
|---|---|
| Acc. FA148 | 4 |




LED source included. 24V dc remote electric power supply to be ordered separately. Requires a junction box to be ordered separately. The luminaire is equipped with a protruding, neoprene, 300 mm cable and a wiring kit with crimp connectors and adhesive heat-shrink tubing guaranteeing the water tightness of the connection. Extra clear transparent glass.

2200K available on request.

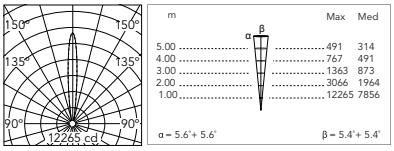
Fuente LED incluida. Fuente de alimentación eléctrica remota 24V dc que se debe pedir por separado. Necesita caja de instalación que se debe pedir por separado. Dotada de una sección de cable de neopreno que sobresale 300 mm y kit con conectores crimpables y fundas termoretráctiles adhesivas que garantizan la estanqueidad de la conexión. Vidrio transparente extraclaro.

2200K disponible bajo pedido.

**Optic Spot 10º**

**Power Led:** 11,8W - 1159 lm ≠ OUTPUT 862 lm - 2700K/CRI 80 - 24Vdc / 11,8W - 1242 lm ≠ OUTPUT 924 lm - 3000K/CRI 80 - 24Vdc / 11,8W - 1283 lm ≠ OUTPUT 955 lm - 4000K/CRI 80 - 24Vdc

| **2700K** | **3000K** | **4000K** |
|---|---|---|
| FA524115 | FA524113 | FA524112 |

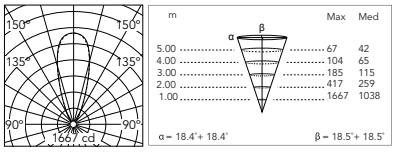



@ 3000K

**Optic Medium 40º**

**Power Led:** 11,8W - 1159 lm ≠ OUTPUT 794 lm - 2700K/CRI 80 - 24Vdc / 11,8W - 1242 lm ≠ OUTPUT 851 lm - 3000K/CRI 80 - 24Vdc / 11,8W - 1283 lm ≠ OUTPUT 879 lm - 4000K/CRI 80 - 24Vdc

| **2700K** | **3000K** | **4000K** |
|---|---|---|
| FA524125 | FA524123 | FA524122 |




@ 3000K

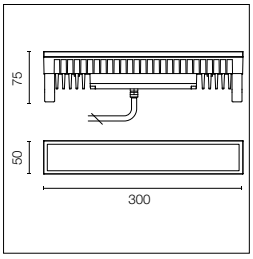
* Maximum number of luminaires per power supply / Número máximo de luminarias por fuente de alimentación.

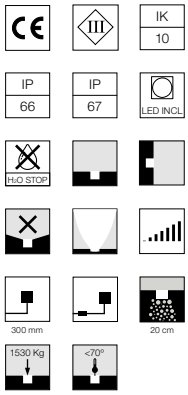
Maximum number of luminaires per power supply. (220÷240 V). These data must be checked taking into account the specific installation conditions.

Número máximo de luminarias por fuente de alimentación (220÷240 V). Estos datos deben ser comprobados teniendo en cuenta las condiciones específicas de instalación.

| | |
|---|---|
| Acc. RF25752 | 1 |
| Acc. F990B28A000 | 3 |
| Acc. F990B27A000 | 6 |

## C-Me Opal Line



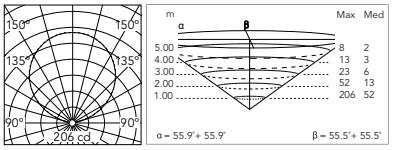

LED source included. 24V dc remote electric power supply to be ordered separately. Requires a junction box to be ordered separately. The luminaire is equipped with a protruding, neoprene, 300 mm cable and a wiring kit with crimp connectors and adhesive heat-shrink tubing guaranteeing the water tightness of the connection.
Glass with opal diffuser.
Adjustable light intensity.

Fuente LED incluida. Fuente de alimentación eléctrica remota 24V dc que se debe pedir por separado. Necesita caja de instalación que se debe pedir por separado. Dotada de una sección de cable de neopreno que sobresale 300 mm y kit con conectores crimpables y fundas termoretráctiles adhesivas que garantizan la estanqueidad de la conexión.
Vidrio con difusor opal.
Intensidad regulable.

**Diffused Light**

**Mid-Power Led:** 10,5W - 1080 lm ≠ OUTPUT 538 lm - 2700K/CRI 80 - 24Vdc / 10,5W - 1161 lm ≠ OUTPUT 578 lm - 3000K/CRI 80 - 24Vdc / 10,5W - 1219 lm ≠ OUTPUT 607 lm - 4000K/CRI 80 -24Vdc

| **2700K** | **3000K** | **4000K** |
|---|---|---|
| FA524105 | FA524103 | FA524102 |




@ 3000K

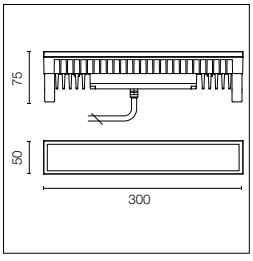
* Maximum number of luminaires per power supply / Número máximo de luminarias por fuente de alimentación.

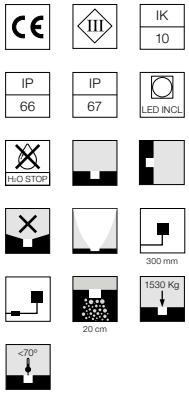
Maximum number of luminaires per power supply. (220÷240 V). These data must be checked taking into account the specific installation conditions.

Número máximo de luminarias por fuente de alimentación (220÷240 V). Estos datos deben ser comprobados teniendo en cuenta las condiciones específicas de instalación.

| | |
|---|---|
| Acc. RF25750 | 1 |
| Acc. F990B21A000 | 1 |
| Acc. RF26387.A | 1 |
| Acc. RF25752 | 1 |
| Acc. F990B28A000 | 4 |
| Acc. F990B27A000 | 6 |
| Acc. F990B29A000 | 9 |

## C-Me Opal Line RGB




LED RGB light source included. Remote electric power supply with DMX 3chx24Vdc interface, to be ordered separately. Requires a junction box to be ordered separately. The luminaire is equipped with a protruding, neoprene, 300 mm cable and a wiring kit with crimp connectors and adhesive heat-shrink tubing guaranteeing the water tightness of the connection.
Glass with opal diffuser.

**Wiring diagram and installation scheme RGB.**

Max 5 luminaires C-Me Line RGB for each code FA148.

See Wiring Diagram n.6
Page 878.

Fuente LED RGB incluida. Fuente de alimentación eléctrica remota con interfaz DMX 3chx24Vdc que se debe pedir por separado. Necesita caja de conexión que se debe pedir por separado. Dotada de una sección de cable de neopreno que sobresale 300 mm y kit con conectores crimpables y fundas termoretráctiles adhesivas que garantizan la estanqueidad de la conexión. Vidrio con difusor opal.

**Esquema eléctrico e instalación sistema RGB.**

Máximo 5 luminaires C-Me Line LED RGB para cada código FA148.

Ver Esquema Eléctrico n.6
Página 878.

**Diffused Light**

**RGB Power Led:** 8W - 3CH x 24Vdc

**RGB**

FA524104

Photometric data on request.

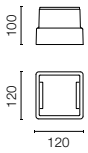
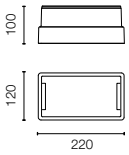
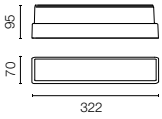
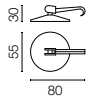
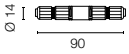
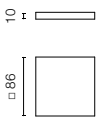
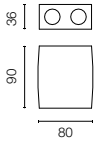
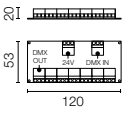
* Maximum number of luminaires per power supply / Número máximo de luminarias por fuente de alimentación.

Maximum number of luminaires per power supply. (220÷240 V). These data must be checked taking into account the specific installation conditions.

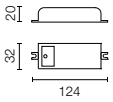
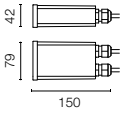
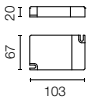
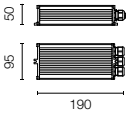
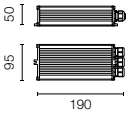
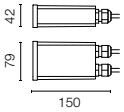
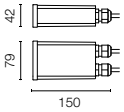
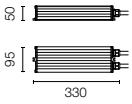
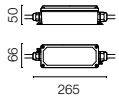
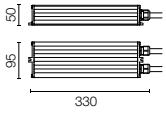
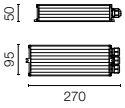
Número máximo de luminarias por fuente de alimentación (220÷240 V). Estos datos deben ser comprobados teniendo en cuenta las condiciones específicas de instalación.

| | |
|---|---|
| Acc. FA148 | 5 |

## C-Me Square 100 / Rectangle / Line: Accessories / Accesorios

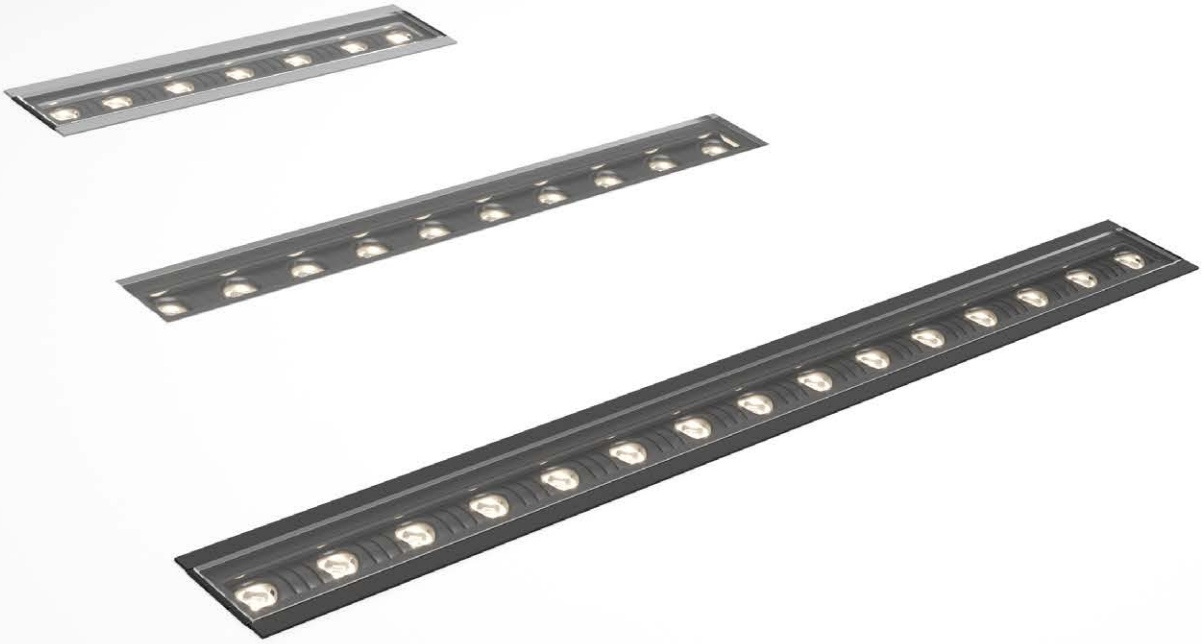
| | | | | |
|---|---|---|---|---|
| Box for installation. | Encofrado. | C-Me Square 100<br>FA151 | |  |
| Box for installation. | Encofrado. | C-Me Rectangle<br>FA152 | |  |
| Box for installation. | Encofrado. | C-Me Line<br>FA183 | |  |
| Suction cup to pull the luminaire. | Ventosa para retirar la luminaria. | FA153 | |  |
| 2 way terminal block 2 poles IP68. (Ø4÷6,9mm cable).<br><br>It can't be placed in the recessed box for installation. | Bloque de terminales IP68 con 2 vías y 2 polos. (Cable Ø4÷6,9mm).<br><br>No se puede alojar en la caja para empotrar. | F990C050000 | |  |
| DMX controller;<br>dimmer switch for recessed box (60mm hole centres). | Controlador DMX para cajas empotrables. (60 mm distancia entre agujeros). | C-Me RGB<br>F990B10A000 | |  |
| DMX controller;<br>stand-alone/pc interface. | Controlador DMX. Interfaz stand/alone pc.. | C-Me RGB<br>F990B11A000 | |  |
| DMX splitter 512 - electronic device to regenerate the monodirectional DMX signal 1 Input and 7 output, 12-24Vdc. Power supply not included. | DMX splitter 512- dispositivo electrónico para regenerar la señal DMX monodireccional. 1 entrada y 7 salidas , 12-24 Vdc. Fuente de alimentación no incluida. | C-Me RGB<br>F990B13A000 | |  |
| DMX cable - shielded twisted pair with 110 Ohm constant impedance. | Cable DMX apantallado con impedancia constante de 110 Ohm. | C-Me RGB<br>F990B12A000 | | |

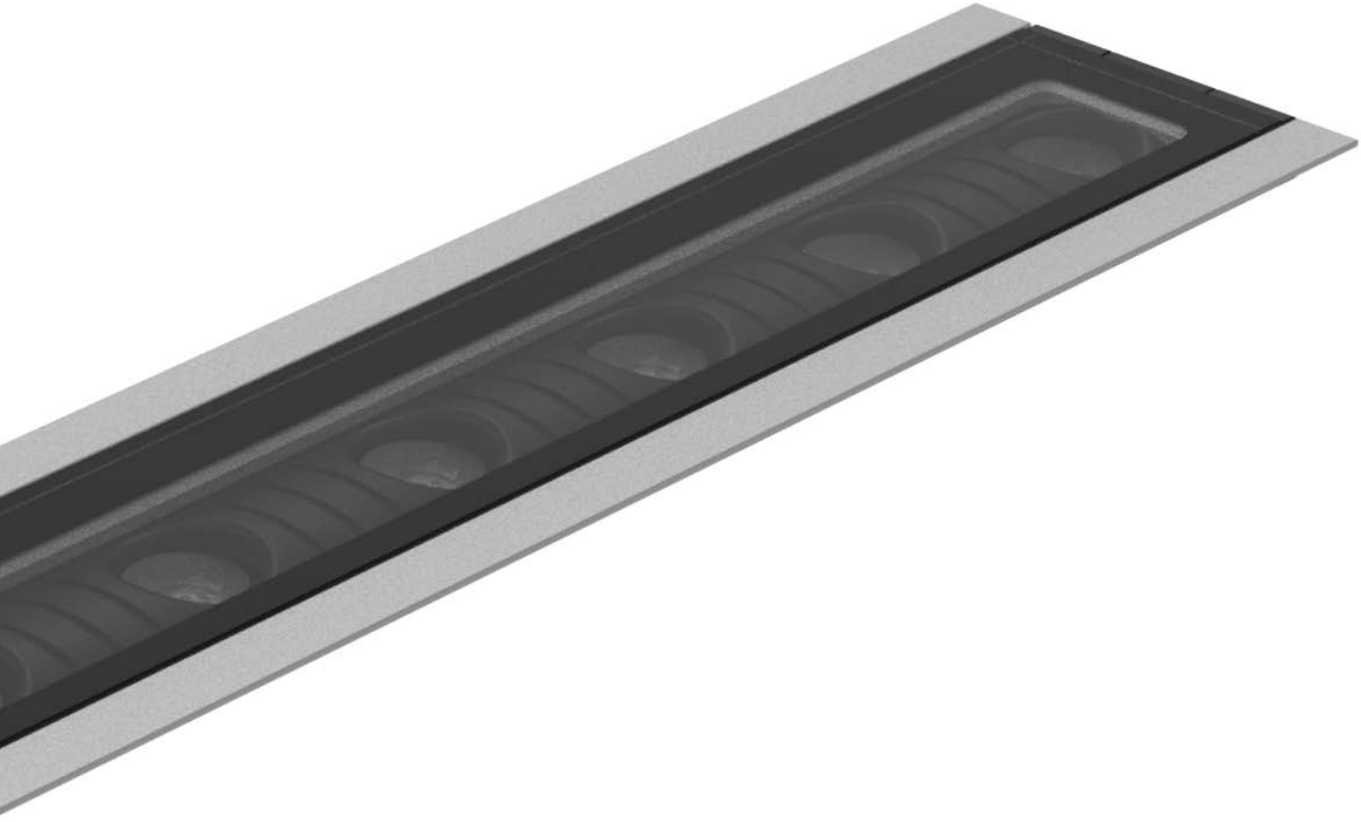
## C-Me Square 100 / Rectangle / Line: Drivers / Equipos

| | | | | |
|---|---|---|---|---|
| Power supply 24V 10W /110-240V IP20 Class II selv. | Transformador 24V 10W / 110-240V IP20 Clase II selv. | *RF25747 | |   |
| Power supply 24V 10W / 110-240V IP67 Class II selv. | Transformador 24V 10W / 110-240V IP67 Clase II selv. | *RF25757 | |   |
| Power supply for remote installation 24Vdc 17W / 110-240V (15W@110V) IP20 Class II selv. | Transformador para instalación remota 24Vdc 17W / 110-240V (15W@110V) IP20 Clase II selv. | C-Me Square 100<br>Diffused Light<br>*RF25750<br>Dimmable Push-Dim Or 1-10V<br>See Wiring Diagram n.4. Page 876 | |   |
| Alimentatore 17W/110÷240V - 24Vdc (15W@110V) IP67 Classe II Selv. | Transformador 17W/110÷240V - 24Vdc (15W@110V) IP67 Classe II Selv. | C-Me Square 100<br>Diffused Light<br>*F990B21A000<br>Dimmable Push-Dim Or 1-10V<br>See Wiring Diagram n.4. Page 876 | |   |
| Power supply for remote installation 24Vdc 20W / 110-240Vdc (15W@110V) IP67 Class II selv. | Transformador para instalación remota 24Vdc 20W / 110-240Vdc (15W@110V) IP67 Clase II selv. | C-Me Square 100<br>Diffused Light<br>*RF26387.A<br>Dimmable DALI<br>See Wiring Diagram n.4. Page 876 | |   |
| Power supply for remote installation 24Vdc 20W / 220-240V IP67 Class II selv. | Transformador para instalación remota 24Vdc 20W / 220-240V IP67 Clase II selv. | C-Me Square 100<br>Diffused Light<br>*RF25752 | |   |
| Power supply 24Vdc 35W / 120-270V IP67 Class II selv. | Fuente de alimentación 24Vdc 35W / 120-270V IP67 Clase II selv. | F990B23AZ00 | |   |
| Power supply for remote installation 24Vdc 50W / 120-240V IP67 Class II selv. | Transformador para instalación remota 24Vdc 50W / 120-240V IP67 Clase II selv. | *F990B28A000 | |   |
| Power supply for remote installation 24Vdc 70W / 220-240V IP67 Class II selv. | Transformador para instalación remota 24Vdc 70W / 220-240V IP67 Clase II selv. | *F990B27A000 | |   |
| Power supply for remote installation 24Vdc 96W / 120-240V IP67 Class II selv. | Transformador para instalación remota 24Vdc 96W / 120-240V IP67 Clase II selv. | *F990B29A000 | |   |
| Alimentatore con interfaccia DMX. Per apparecchi RGB 55W/220÷230V-3CHx24Vdc (3CHx18W) predisposizione DMX IP67 Classe I Selv Eq. | Fuente de alimentación con interfaz DMX. Para luminarias RGB 55W/220÷230V-3CHx24Vdc (3CHx18W) ajuste previo DMX IP67 clase I Selv Eq. | C-Me RGB<br>*FA148 | |   |

# Ingraze

Designed by Flos Outdoor



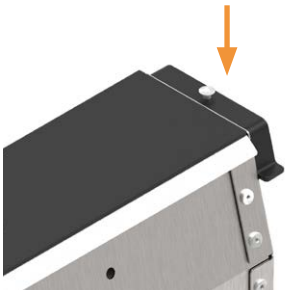


VERSATILITY
The range of products is offered in various frame and frameless configurations, with fixed or adjustable lenses. A patented system of springs guarantees the cleanest look.

VERSATILIDAD
La gama de productos se ofrece en distintas configuraciones, con marco o sin marco, con ópticas fijas o ajustables. Un sistema de muelles patentado garantiza la máxima limpieza estética.

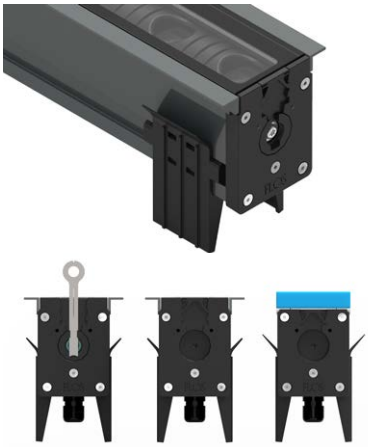
VISUAL COMFORT
The innovative rear lens system offers optimal visual comfort in any situation; special asymmetrical or lengthwise diffuser accessories pre-installed allow to reduce the beam of light and to prevent glare in more critical situations too.

CONFORT VISUAL
El innovador sistema de ópticas retrocedidas ofrece un excelente confort visual en cualquier contexto; hay disponibles accesorios especiales de difusores longitudinales y asimétricos preinstalados que permiten evitar el deslumbramiento incluso en las situaciones más críticas.



ANTI-THEFT
An anti-theft fastening system specifically designed to prevent tampering and vandalism makes Ingraze suitable for public installations too.

ANTIRROBO
El sistema de fijación antirrobo está diseñado específicamente para evitar manipulaciones indebidas y actos de vandalismo, lo que convierte a Ingraze en una solución adecuada para instalaciones en espacios públicos.



FLEXIBILITY
Ingraze extends the range of linear spotlights with an advanced programme of recessed floor fittings, suitable for any type of project thanks to the many installation options.

FLEXIBILIDAD
Ingraze amplía su gama de proyectores lineales con un avanzado programa de instalación empotrable en el suelo, adecuado para todo tipo de proyectos gracias a sus múltiples posibilidades de instalación.

CONTINUOUS LINE
Flexible installation in all areas is guaranteed by the various configurations, both single and in a continuous line, while keeping a consistent beam of light.

FILA CONTINUA
La flexibilidad de instalación en cualquier entorno está garantizada por las diferentes configuraciones, tanto de forma individual como en fila continua, manteniendo la homogeneidad del haz luminoso.

## Ingraze Fixed L 400

### Frame / Linear Louvre / Asymmetric Louvre

**Power Led**
12,5W
Up to 958 lm - 2200K/CRI 80
Up to 993 lm - 2700K/CRI 80
Up to 1064 lm - 3000K/CRI 80
Up to 1100 lm - 4000K/CRI 80

### Frameless / Linear Louvre / Asymmetric Louvre

**Power Led**
12,5W
Up to 958 lm - 2200K/CRI 80
Up to 993 lm - 2700K/CRI 80
Up to 1064 lm - 3000K/CRI 80
Up to 1100 lm - 4000K/CRI 80

## Ingraze Fixed L 600

### Frame / Linear Louvre / Asymmetric Louvre

**Power Led**
17W
Up to 1368 lm - 2200K/CRI 80
Up to 1419 lm - 2700K/CRI 80
Up to 1520 lm - 3000K/CRI 80
Up to 1571 lm - 4000K/CRI 80

### Frameless / Linear Louvre / Asymmetric Louvre

**Power Led**
17W
Up to 1368 lm - 2200K/CRI 80
Up to 1419 lm - 2700K/CRI 80
Up to 1520 lm - 3000K/CRI 80
Up to 1571 lm - 4000K/CRI 80

## Ingraze Fixed L 900

### Frame / Linear Louvre / Asymmetric Louvre

**Power Led**
26W
Up to 2052 lm - 2200K/CRI 80
Up to 2128 lm - 2700K/CRI 80
Up to 2280 lm - 3000K/CRI 80
Up to 2356 lm - 4000K/CRI 80

### Frameless / Linear Louvre / Asymmetric Louvre

**Power Led**
26W
Up to 2052 lm - 2200K/CRI 80
Up to 2128 lm - 2700K/CRI 80
Up to 2280 lm - 3000K/CRI 80
Up to 2356 lm - 4000K/CRI 80

## Ingraze Fixed L 1200

### Frame / Linear Louvre / Asymmetric Louvre

**Power Led**
33,5W
Up to 2736 lm - 2200K/CRI 80
Up to 2837 lm - 2700K/CRI 80
Up to 3040 lm - 3000K/CRI 80
Up to 3141 lm - 4000K/CRI 80

### Frameless / Linear Louvre / Asymmetric Louvre

**Power Led**
33,5W
Up to 2736 lm - 2200K/CRI 80
Up to 2837 lm - 2700K/CRI 80
Up to 3040 lm - 3000K/CRI 80
Up to 3141 lm - 4000K/CRI 80

## Ingraze Adjustable L 400

### Frame / Linear Louvre / Asymmetric Louvre

**Power Led**
12,5W
Up to 958 lm - 2200K/CRI 80
Up to 993 lm - 2700K/CRI 80
Up to 1064 lm - 3000K/CRI 80
Up to 1100 lm - 4000K/CRI 80

### Frameless / Linear Louvre / Asymmetric Louvre

**Power Led**
12,5W
Up to 958 lm - 2200K/CRI 80
Up to 993 lm - 2700K/CRI 80
Up to 1064 lm - 3000K/CRI 80
Up to 1100 lm - 4000K/CRI 80

## Ingraze Adjustable L 600

### Frame / Linear Louvre / Asymmetric Louvre

**Power Led**
17W
Up to 1368 lm - 2200K/CRI 80
Up to 1419 lm - 2700K/CRI 80
Up to 1520 lm - 3000K/CRI 80
Up to 1571 lm - 4000K/CRI 80

### Frameless / Linear Louvre / Asymmetric Louvre

**Power Led**
17W
Up to 1368 lm - 2200K/CRI 80
Up to 1419 lm - 2700K/CRI 80
Up to 1520 lm - 3000K/CRI 80
Up to 1571 lm - 4000K/CRI 80

## Ingraze Adjustable L 900

### Frame / Linear Louvre / Asymmetric Louvre

**Power Led**
26W
Up to 2052 lm - 2200K/CRI 80
Up to 2128 lm - 2700K/CRI 80
Up to 2280 lm - 3000K/CRI 80
Up to 2356 lm - 4000K/CRI 80

### Frameless / Linear Louvre / Asymmetric Louvre

**Power Led**
26W
Up to 2052 lm - 2200K/CRI 80
Up to 2128 lm - 2700K/CRI 80
Up to 2280 lm - 3000K/CRI 80
Up to 2356 lm - 4000K/CRI 80

## Ingraze Adjustable L 1200

### Frame / Linear Louvre / Asymmetric Louvre

**Power Led**
33,5W
Up to 2736 lm - 2200K/CRI 80
Up to 2837 lm - 2700K/CRI 80
Up to 3040 lm - 3000K/CRI 80
Up to 3141 lm - 4000K/CRI 80

### Frameless / Linear Louvre / Asymmetric Louvre

**Power Led**
33,5W
Up to 2736 lm - 2200K/CRI 80
Up to 2837 lm - 2700K/CRI 80
Up to 3040 lm - 3000K/CRI 80
Up to 3141 lm - 4000K/CRI 80

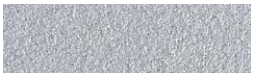
## Description / Descripción

An outdoor strip device for recessed floor installation with a next-gen high-power LED source. The product is designed to guarantee extreme visual comfort thanks to the rear position of the lens unit; the range is organised into two models, either framed or frameless, available in 4 different lengths to guarantee the greatest installation flexibility and to meet different project requirements, thanks to the various lens configurations: spot, medium, flood and elliptical. The availability of alternative versions equipped with asymmetrical or lengthwise diffusers helps optimise the product's performance, guaranteeing maximum visual comfort. Extruded aluminium body with a chemical conversion coating for high corrosion-resistance. Double end-plate cover made from high-resistance technopolymer. Coating with a double layer of powder paint and marine "ACT" (Anti-Corrosion Treatment) upon request, which guarantees resistance under harsh environmental conditions. Extra-clear tempered glass with a high transmittance index, siliconised through an automated bonding system, having undergone plasma cleaning treatment, guarantees an IP66/67 protection rating, high resistance to IK10 impact and can be driven over by vehicles up to 2500kg. Ingraze is available in an adjustable version on the vertical axis by +/-10°. This adjustment is done from the outside using a special tool provided with the product, without the need to open the product to access the lens compartment. A graduated scale on the body of the product guarantees secure, precise positioning. The patented internal heat sink allows for excellent temperature management, increasing the performance and lifetime of the LED module. Available colour temperatures: 2200, 2700, 3000, and 4000K; the light can be controlled through the DALI protocol, or 1-10V, with a built-in driver. Both framed and frameless versions can be installed in the same installation box, made from INOX steel, in single or continuous line configurations. Installation box and assembly accessories should be ordered separately. Installation box is available for installation of the framed version flush with the floor.  A patented system of springs avoids the use of visible screws for fastening. This device is pre-wired with outgoing cable sections and complete with two quick connectors (IN-OUT) to make electrical wiring quicker and easier.

Dispositivo lineal de exterior para instalar empotrado en el suelo con fuente LED de alta potencia de última generación. El producto está concebido para garantizar un máximo confort visual gracias a la posición retrocedida del grupo óptico; la gama está disponible en dos modelos, con marco y sin marco, disponibles en 4 longitudes para garantizar la máxima flexibilidad de instalación y satisfacer diferentes exigencias de diseño, gracias a las distintas configuraciones ópticas, spot, medium, flood y elíptico. La disponibilidad de versiones alternativas equipadas con difusores longitudinales y asimétricas permite optimizar las prestaciones del producto y garantizar el máximo confort visual. Cuerpo de aluminio extruido sometido a tratamiento de conversión química superficial para una elevada resistencia a la corrosión. Doble cabezal de cierre fabricado con tecnopolímero de alta resistencia. Recubrimiento en polvo de doble capa y tratamiento marino «ACT» (Anti Corrosion Treatment) bajo petición que garantiza la resistencia en condiciones ambientales extremas. Vidrio templado extraclaro con un alto índice de transparencia, siliconado mediante un sistema de encolado robotizado tras un tratamiento de limpieza por plasma, garantiza un grado de protección IP66/67, alta resistencia al impacto IK10 y es transitable hasta 2500 kg. Ingraze está disponible en una versión ajustable en el eje vertical en +/-10°. El ajuste se realiza desde el exterior mediante una herramienta específica suministrada con el producto, sin necesidad de abrir el producto para acceder al espacio óptico. Una escala graduada en el cuerpo del producto garantiza una orientación precisa y segura. El disipador interior patentado proporciona una excelente gestión de la temperatura, aumentando el rendimiento y la vida útil del módulo LED. Temperaturas de color disponibles: 2200, 2700, 3000 y 4000 K; el control de la luz puede llevarse a cabo mediante protocolo DALI o 1-10 V, con driver integrado. Ambas versiones, con y sin marco, pueden instalarse dentro de la misma caja de montaje, fabricada en acero INOX, en configuración individual o en fila continua. La caja y los accesorios de montaje deben pedirse por separado. La caja de montaje está disponible para la instalación de la versión con marco a ras de suelo.  Un sistema de muelles patentado evita el uso de tornillos visibles para su fijación. La luminaria está precableada con secciones de cable de salida y se completa con dos conectores de acoplamiento rápido (IN-OUT) para facilitar y agilizar las operaciones de cableado eléctrico.

## Colours / Colores

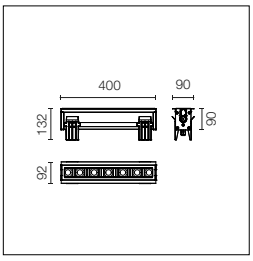
Ingraze

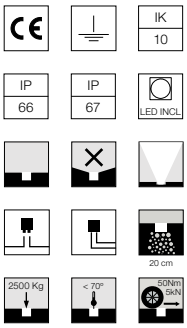


06 Grey

33 Anthracite

# Ingraze Fixed Frame L 400



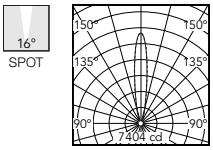

High-power LED source included and rear lenses. 1-10V or DALI on-off and dimmable 220-240V power supply.
Compulsory installation box to be ordered separately.
Pre-wired with $H_2O$ Stop quick connectors, plug/socket included.
ACT (Anti-Corrosion Treatment) upon request.

Fuente LED de alta potencia incluida y ópticas retrocedidas.
Alimentación 220-240 V on-off y regulable 1-10V y DALI.
La caja de montaje para la instalación obligatoria debe pedirse por separado.
Precableado con conectores rápidos $H_2O$ Stop toma/enchufe incluidos.
ACT (Anti Corrosion Treatment) bajo petición.

### Optic Spot 16º

**Power Led:** 12,5W - LED 1304 lm ≠ OUTPUT 958 lm - 2200K/CRI 80 / 12,5W - LED 1352 lm ≠ OUTPUT 993 lm - 2700K/CRI 80 / 12,5W - LED 1449 lm ≠ OUTPUT 1064 lm - 3000K/CRI 80 / 12,5W - LED 1497 lm ≠ OUTPUT 1100 lm - 4000K/CRI 80

| 2200K | 2700K | 3000K | 4000K |
|---|---|---|---|
| Non Dimmable | Non Dimmable | Non Dimmable | Non Dimmable |
| ○ F017A1AA006 | ○ F017A2AA006 | ○ F017A3AA006 | ○ F017A4AA006 |
| ● F017A1AA033 | ● F017A2AA033 | ● F017A3AA033 | ● F017A4AA033 |
| 1-10V | 1-10V | 1-10V | 1-10V |
| ○ F017A1AB006 | ○ F017A2AB006 | ○ F017A3AB006 | ○ F017A4AB006 |
| ● F017A1AB033 | ● F017A2AB033 | ● F017A3AB033 | ● F017A4AB033 |
| Dali | Dali | Dali | Dali |
| ○ F017A1AD006 | ○ F017A2AD006 | ○ F017A3AD006 | ○ F017A4AD006 |
| ● F017A1AD033 | ● F017A2AD033 | ● F017A3AD033 | ● F017A4AD033 |




@3000K

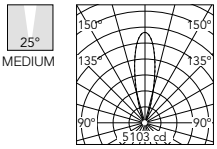
Beam Angle: 16°

| h(m) | E(lx) | D(m) |
|---|---|---|
| 1 | 7404 | 0.27 |
| 2 | 1851 | 0.55 |
| 3 | 823 | 0.82 |
| 4 | 463 | 1.09 |
| 5 | 296 | 1.37 |

### Optic Medium 25º

**Power Led:** 12,5W - LED 1304 lm ≠ OUTPUT 1031 lm - 2200K/CRI 80 / 12,5W - LED 1352 lm ≠ OUTPUT 1069 lm - 2700K/CRI 80 / 12,5W - LED 1449 lm ≠ OUTPUT 1146 lm - 3000K/CRI 80 / 12,5W - LED 1497 lm ≠ OUTPUT 1184 lm - 4000K/CRI 80

| 2200K | 2700K | 3000K | 4000K |
|---|---|---|---|
| Non Dimmable | Non Dimmable | Non Dimmable | Non Dimmable |
| ○ F017A1BA006 | ○ F017A2BA006 | ○ F017A3BA006 | ○ F017A4BA006 |
| ● F017A1BA033 | ● F017A2BA033 | ● F017A3BA033 | ● F017A4BA033 |
| 1-10V | 1-10V | 1-10V | 1-10V |
| ○ F017A1BB006 | ○ F017A2BB006 | ○ F017A3BB006 | ○ F017A4BB006 |
| ● F017A1BB033 | ● F017A2BB033 | ● F017A3BB033 | ● F017A4BB033 |
| Dali | Dali | Dali | Dali |
| ○ F017A1BD006 | ○ F017A2BD006 | ○ F017A3BD006 | ○ F017A4BD006 |
| ● F017A1BD033 | ● F017A2BD033 | ● F017A3BD033 | ● F017A4BD033 |




@3000K

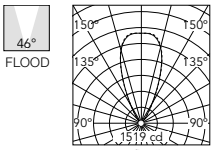
Beam Angle: 25°

| h(m) | E(lx) | D(m) |
|---|---|---|
| 1 | 5103 | 0.44 |
| 2 | 1276 | 0.88 |
| 3 | 567 | 1.32 |
| 4 | 319 | 1.76 |
| 5 | 204 | 2.20 |

### Optic Flood 46º

**Power Led:** 12,5W - LED 1304 lm ≠ OUTPUT 898 lm - 2200K/CRI 80 / 12,5W - LED 1352 lm ≠ OUTPUT 931 lm - 2700K/CRI 80 / 12,5W - LED 1449 lm ≠ OUTPUT 998 lm - 3000K/CRI 80 / 12,5W - LED 1497 lm ≠ OUTPUT 1031 lm - 4000K/CRI 80

| 2200K | 2700K | 3000K | 4000K |
|---|---|---|---|
| Non Dimmable | Non Dimmable | Non Dimmable | Non Dimmable |
| ○ F017A1CA006 | ○ F017A2CA006 | ○ F017A3CA006 | ○ F017A4CA006 |
| ● F017A1CA033 | ● F017A2CA033 | ● F017A3CA033 | ● F017A4CA033 |
| 1-10V | 1-10V | 1-10V | 1-10V |
| ○ F017A1CB006 | ○ F017A2CB006 | ○ F017A3CB006 | ○ F017A4CB006 |
| ● F017A1CB033 | ● F017A2CB033 | ● F017A3CB033 | ● F017A4CB033 |
| Dali | Dali | Dali | Dali |
| ○ F017A1CD006 | ○ F017A2CD006 | ○ F017A3CD006 | ○ F017A4CD006 |
| ● F017A1CD033 | ● F017A2CD033 | ● F017A3CD033 | ● F017A4CD033 |




@3000K

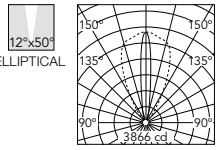
Beam Angle: 46°

| h(m) | E(lx) | D(m) |
|---|---|---|
| 1 | 1511 | 0.85 |
| 2 | 378 | 1.71 |
| 3 | 168 | 2.56 |
| 4 | 94 | 3.42 |
| 5 | 60 | 4.27 |

### Optic Elliptical 12º x 50º

**Power Led:** 12,5W - LED 1304 lm ≠ OUTPUT 901 lm - 2200K/CRI 80 / 12,5W - LED 1352 lm ≠ OUTPUT 934 lm - 2700K/CRI 80 / 12,5W - LED 1449 lm ≠ OUTPUT 1001 lm - 3000K/CRI 80 / 12,5W - LED 1497 lm ≠ OUTPUT 1034 lm - 4000K/CRI 80

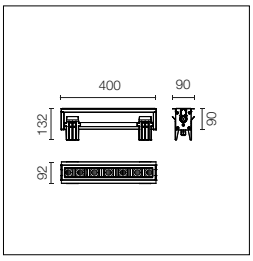
| 2200K | 2700K | 3000K | 4000K |
|---|---|---|---|
| Non Dimmable | Non Dimmable | Non Dimmable | Non Dimmable |
| ○ F017A1DA006 | ○ F017A2DA006 | ○ F017A3DA006 | ○ F017A4DA006 |
| ● F017A1DA033 | ● F017A2DA033 | ● F017A3DA033 | ● F017A4DA033 |
| 1-10V | 1-10V | 1-10V | 1-10V |
| ○ F017A1DB006 | ○ F017A2DB006 | ○ F017A3DB006 | ○ F017A4DB006 |
| ● F017A1DB033 | ● F017A2DB033 | ● F017A3DB033 | ● F017A4DB033 |
| Dali | Dali | Dali | Dali |
| ○ F017A1DD006 | ○ F017A2DD006 | ○ F017A3DD006 | ○ F017A4DD006 |
| ● F017A1DD033 | ● F017A2DD033 | ● F017A3DD033 | ● F017A4DD033 |

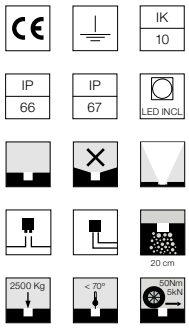



@3000K

Beam Angle: 12°

| h(m) | E(lx) | D(m) |
|---|---|---|
| 1 | 3866 | 0.22 |
| 2 | 966 | 0.44 |
| 3 | 430 | 0.66 |
| 4 | 242 | 0.87 |
| 5 | 155 | 1.09 |



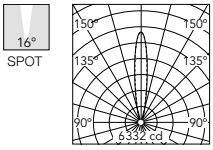

High-power LED source included and rear lenses equipped with anti-glare diffuser grille. 1-10V or DALI on-off and dimmable 220-240V power supply.
Compulsory installation box to be ordered separately.
Pre-wired with $H_2O$ Stop quick connectors, plug/socket included.
ACT (Anti-Corrosion Treatment) upon request.

Fuente LED de alta potencia incluida y ópticas retrocedidas equipadas con difusor de rejilla antideslumbrante. Alimentación 220-240 V on-off y regulable 1-10V y DALI.
La caja de montaje para la instalación obligatoria debe pedirse por separado.
Precableado con conectores rápidos $H_2O$ Stop toma/enchufe incluidos.
ACT (Anti Corrosion Treatment) bajo petición.

### Optic Spot 16º

**Power Led:** 12,5W - LED 1304 lm ≠ OUTPUT 702 lm - 2200K/CRI 80 / 12,5W - LED 1352 lm ≠ OUTPUT 728 lm - 2700K/CRI 80 / 12,5W - LED 1449 lm ≠ OUTPUT 780 lm - 3000K/CRI 80 / 12,5W - LED 1497 lm ≠ OUTPUT 806 lm - 4000K/CRI 80

| 2200K | 2700K | 3000K | 4000K |
|---|---|---|---|
| Non Dimmable | Non Dimmable | Non Dimmable | Non Dimmable |
| ● F017A1HA006 | ● F017A2HA006 | ● F017A3HA006 | ● F017A4HA006 |
| ● F017A1HA033 | ● F017A2HA033 | ● F017A3HA033 | ● F017A4HA033 |
| 1-10V | 1-10V | 1-10V | 1-10V |
| ● F017A1HB006 | ● F017A2HB006 | ● F017A3HB006 | ● F017A4HB006 |
| ● F017A1HB033 | ● F017A2HB033 | ● F017A3HB033 | ● F017A4HB033 |
| Dali | Dali | Dali | Dali |
| ● F017A1HD006 | ● F017A2HD006 | ● F017A3HD006 | ● F017A4HD006 |
| ● F017A1HD033 | ● F017A2HD033 | ● F017A3HD033 | ● F017A4HD033 |




@3000K

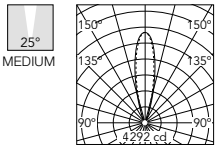
Beam Angle: 16°

| h(m) | E(lx) | D(m) |
|---|---|---|
| 1 | 6332 | 0.28 |
| 2 | 1583 | 0.56 |
| 3 | 704 | 0.83 |
| 4 | 396 | 1.11 |
| 5 | 253 | 1.39 |

### Optic Medium 25º

**Power Led:** 12,5W - LED 1304 lm ≠ OUTPUT 744 lm - 2200K/CRI 80 / 12,5W - LED 1352 lm ≠ OUTPUT 772 lm - 2700K/CRI 80 / 12,5W - LED 1449 lm ≠ OUTPUT 827 lm - 3000K/CRI 80 / 12,5W - LED 1497 lm ≠ OUTPUT 854 lm - 4000K/CRI 80

| 2200K | 2700K | 3000K | 4000K |
|---|---|---|---|
| Non Dimmable | Non Dimmable | Non Dimmable | Non Dimmable |
| ● F017A1JA006 | ● F017A2JA006 | ● F017A3JA006 | ● F017A4JA006 |
| ● F017A1JA033 | ● F017A2JA033 | ● F017A3JA033 | ● F017A4JA033 |
| 1-10V | 1-10V | 1-10V | 1-10V |
| ● F017A1JB006 | ● F017A2JB006 | ● F017A3JB006 | ● F017A4JB006 |
| ● F017A1JB033 | ● F017A2JB033 | ● F017A3JB033 | ● F017A4JB033 |
| Dali | Dali | Dali | Dali |
| ● F017A1JD006 | ● F017A2JD006 | ● F017A3JD006 | ● F017A4JD006 |
| ● F017A1JD033 | ● F017A2JD033 | ● F017A3JD033 | ● F017A4JD033 |




@3000K

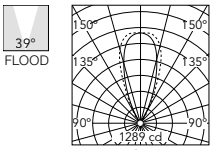
Beam Angle: 25°

| h(m) | E(lx) | D(m) |
|---|---|---|
| 1 | 4292 | 0.44 |
| 2 | 1073 | 0.87 |
| 3 | 477 | 1.31 |
| 4 | 268 | 1.74 |
| 5 | 172 | 2.18 |

### Optic Flood 39º

**Power Led:** 12,5W - LED 1304 lm ≠ OUTPUT 576 lm - 2200K/CRI 80 / 12,5W - LED 1352 lm ≠ OUTPUT 597 lm - 2700K/CRI 80 / 12,5W - LED 1449 lm ≠ OUTPUT 639 lm - 3000K/CRI 80 / 12,5W - LED 1497 lm ≠ OUTPUT 661 lm - 4000K/CRI 80

| 2200K | 2700K | 3000K | 4000K |
|---|---|---|---|
| Non Dimmable | Non Dimmable | Non Dimmable | Non Dimmable |
| ● F017A1KA006 | ● F017A2KA006 | ● F017A3KA006 | ● F017A4KA006 |
| ● F017A1KA033 | ● F017A2KA033 | ● F017A3KA033 | ● F017A4KA033 |
| 1-10V | 1-10V | 1-10V | 1-10V |
| ● F017A1KB006 | ● F017A2KB006 | ● F017A3KB006 | ● F017A4KB006 |
| ● F017A1KB033 | ● F017A2KB033 | ● F017A3KB033 | ● F017A4KB033 |
| Dali | Dali | Dali | Dali |
| ● F017A1KD006 | ● F017A2KD006 | ● F017A3KD006 | ● F017A4KD006 |
| ● F017A1KD033 | ● F017A2KD033 | ● F017A3KD033 | ● F017A4KD033 |




@3000K

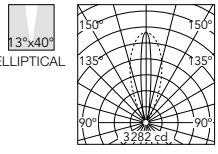
Beam Angle: 39°

| h(m) | E(lx) | D(m) |
|---|---|---|
| 1 | 1285 | 0.71 |
| 2 | 321 | 1.43 |
| 3 | 143 | 2.14 |
| 4 | 80 | 2.86 |
| 5 | 51 | 3.57 |

### Optic Elliptical 13º x 40º

**Power Led:** 12,5W - LED 1304 lm ≠ OUTPUT 574 lm - 2200K/CRI 80 / 12,5W - LED 1352 lm ≠ OUTPUT 595 lm - 2700K/CRI 80 / 12,5W - LED 1449 lm ≠ OUTPUT 638 lm - 3000K/CRI 80 / 12,5W - LED 1497 lm ≠ OUTPUT 659 lm - 4000K/CRI 80

| 2200K | 2700K | 3000K | 4000K |
|---|---|---|---|
| Non Dimmable | Non Dimmable | Non Dimmable | Non Dimmable |
| ● F017A1LA006 | ● F017A2LA006 | ● F017A3LA006 | ● F017A4LA006 |
| ● F017A1LA033 | ● F017A2LA033 | ● F017A3LA033 | ● F017A4LA033 |
| 1-10V | 1-10V | 1-10V | 1-10V |
| ● F017A1LB006 | ● F017A2LB006 | ● F017A3LB006 | ● F017A4LB006 |
| ● F017A1LB033 | ● F017A2LB033 | ● F017A3LB033 | ● F017A4LB033 |
| Dali | Dali | Dali | Dali |
| ● F017A1LD006 | ● F017A2LD006 | ● F017A3LD006 | ● F017A4LD006 |
| ● F017A1LD033 | ● F017A2LD033 | ● F017A3LD033 | ● F017A4LD033 |

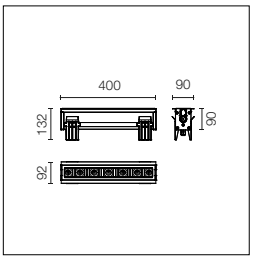


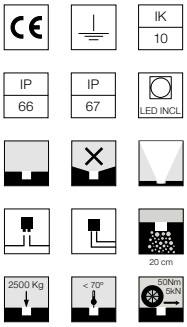

@3000K

Beam Angle: 13°

| h(m) | E(lx) | D(m) |
|---|---|---|
| 1 | 3282 | 0.22 |
| 2 | 820 | 0.44 |
| 3 | 365 | 0.67 |
| 4 | 205 | 0.89 |
| 5 | 131 | 1.11 |

## Ingraze Fixed Frame + Asymmetric Louvre L 400



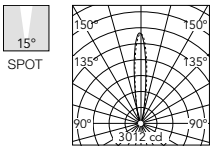

High-power LED source included and rear lenses equipped with anti-glare asymmetrical diffuser grille. 1-10V or DALI on-off and dimmable 220-240V power supply. Compulsory installation box to be ordered separately. Pre-wired with $H_2O$ Stop quick connectors, plug/socket included. ACT (Anti-Corrosion Treatment) upon request.

Fuente LED de alta potencia incluida y ópticas retrocedidas equipadas con difusor de rejilla asimétrico antideslumbrante. Alimentación 220-240 V on-off y regulable 1-10V y DALI. La caja de montaje para la instalación obligatoria debe pedirse por separado. Precableado con conectores rápidos $H_2O$ Stop toma/enchufe incluidos. ACT (Anti Corrosion Treatment) bajo petición.

### Optic Spot 15º

**Power Led:** 12,5W - LED 1304 lm ≠ OUTPUT 334 lm - 2200K/CRI 80 / 12,5W - LED 1352 lm ≠ OUTPUT 346 lm - 2700K/CRI 80 / 12,5W - LED 1449 lm ≠ OUTPUT 371 lm - 3000K/CRI 80 / 12,5W - LED 1497 lm ≠ OUTPUT 383 lm - 4000K/CRI 80

| 2200K | 2700K | 3000K | 4000K |
|---|---|---|---|
| Non Dimmable | Non Dimmable | Non Dimmable | Non Dimmable |
| ○ F017A1QA006 | ○ F017A2QA006 | ○ F017A3QA006 | ○ F017A4QA006 |
| ● F017A1QA033 | ● F017A2QA033 | ● F017A3QA033 | ● F017A4QA033 |
| 1-10V | 1-10V | 1-10V | 1-10V |
| ○ F017A1QB006 | ○ F017A2QB006 | ○ F017A3QB006 | ○ F017A4QB006 |
| ● F017A1QB033 | ● F017A2QB033 | ● F017A3QB033 | ● F017A4QB033 |
| Dali | Dali | Dali | Dali |
| ○ F017A1QD006 | ○ F017A2QD006 | ○ F017A3QD006 | ○ F017A4QD006 |
| ● F017A1QD033 | ● F017A2QD033 | ● F017A3QD033 | ● F017A4QD033 |




@3000K

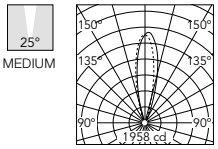
Beam Angle: 15°

| h(m) | E(lx) | D(m) |
|---|---|---|
| 1 | 3010 | 0.25 |
| 2 | 753 | 0.51 |
| 3 | 334 | 0.76 |
| 4 | 188 | 1.02 |
| 5 | 120 | 1.27 |

### Optic Medium 25º

**Power Led:** 12,5W - LED 1304 lm ≠ OUTPUT 353 lm - 2200K/CRI 80 / 12,5W - LED 1352 lm ≠ OUTPUT 367 lm - 2700K/CRI 80 / 12,5W - LED 1449 lm ≠ OUTPUT 393 lm - 3000K/CRI 80 / 12,5W - LED 1497 lm ≠ OUTPUT 406 lm - 4000K/CRI 80

| 2200K | 2700K | 3000K | 4000K |
|---|---|---|---|
| Non Dimmable | Non Dimmable | Non Dimmable | Non Dimmable |
| ○ F017A1RA006 | ○ F017A2RA006 | ○ F017A3RA006 | ○ F017A4RA006 |
| ● F017A1RA033 | ● F017A2RA033 | ● F017A3RA033 | ● F017A4RA033 |
| 1-10V | 1-10V | 1-10V | 1-10V |
| ○ F017A1RB006 | ○ F017A2RB006 | ○ F017A3RB006 | ○ F017A4RB006 |
| ● F017A1RB033 | ● F017A2RB033 | ● F017A3RB033 | ● F017A4RB033 |
| Dali | Dali | Dali | Dali |
| ○ F017A1RD006 | ○ F017A2RD006 | ○ F017A3RD006 | ○ F017A4RD006 |
| ● F017A1RD033 | ● F017A2RD033 | ● F017A3RD033 | ● F017A4RD033 |




@3000K

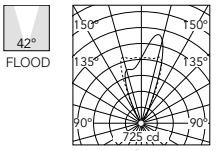
Beam Angle: 25°

| h(m) | E(lx) | D(m) |
|---|---|---|
| 1 | 1955 | 0.45 |
| 2 | 489 | 0.89 |
| 3 | 217 | 1.34 |
| 4 | 122 | 1.78 |
| 5 | 78 | 2.23 |

### Optic Flood 42º

**Power Led:** 12,5W - LED 1304 lm ≠ OUTPUT 620 lm - 2200K/CRI 80 / 12,5W - LED 1352 lm ≠ OUTPUT 294 lm - 2700K/CRI 80 / 12,5W - LED 1449 lm ≠ OUTPUT 314 lm - 3000K/CRI 80 / 12,5W - LED 1497 lm ≠ OUTPUT 325 lm - 4000K/CRI 80

| 2200K | 2700K | 3000K | 4000K |
|---|---|---|---|
| Non Dimmable | Non Dimmable | Non Dimmable | Non Dimmable |
| ○ F017A1SA006 | ○ F017A2SA006 | ○ F017A3SA006 | ○ F017A4SA006 |
| ● F017A1SA033 | ● F017A2SA033 | ● F017A3SA033 | ● F017A4SA033 |
| 1-10V | 1-10V | 1-10V | 1-10V |
| ○ F017A1SB006 | ○ F017A2SB006 | ○ F017A3SB006 | ○ F017A4SB006 |
| ● F017A1SB033 | ● F017A2SB033 | ● F017A3SB033 | ● F017A4SB033 |
| Dali | Dali | Dali | Dali |
| ○ F017A1SD006 | ○ F017A2SD006 | ○ F017A3SD006 | ○ F017A4SD006 |
| ● F017A1SD033 | ● F017A2SD033 | ● F017A3SD033 | ● F017A4SD033 |




@3000K

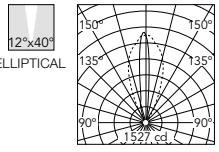
Beam Angle: 42°

| h(m) | E(lx) | D(m) |
|---|---|---|
| 1 | 688 | 0.76 |
| 2 | 172 | 1.51 |
| 3 | 76 | 2.27 |
| 4 | 43 | 3.03 |
| 5 | 28 | 3.78 |

### Optic Elliptical 12º x 40º

**Power Led:** 12,5W - LED 1304 lm ≠ OUTPUT 271 lm - 2200K/CRI 80 / 12,5W - LED 1352 lm ≠ OUTPUT 281 lm - 2700K/CRI 80 / 12,5W - LED 1449 lm ≠ OUTPUT 301 lm - 3000K/CRI 80 / 12,5W - LED 1497 lm ≠ OUTPUT 311 lm - 4000K/CRI 80

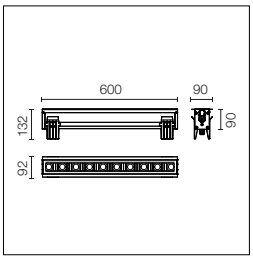
| 2200K | 2700K | 3000K | 4000K |
|---|---|---|---|
| Non Dimmable | Non Dimmable | Non Dimmable | Non Dimmable |
| ○ F017A1TA006 | ○ F017A2TA006 | ○ F017A3TA006 | ○ F017A4TA006 |
| ● F017A1TA033 | ● F017A2TA033 | ● F017A3TA033 | ● F017A4TA033 |
| 1-10V | 1-10V | 1-10V | 1-10V |
| ○ F017A1TB006 | ○ F017A2TB006 | ○ F017A3TB006 | ○ F017A4TB006 |
| ● F017A1TB033 | ● F017A2TB033 | ● F017A3TB033 | ● F017A4TB033 |
| Dali | Dali | Dali | Dali |
| ○ F017A1TD006 | ○ F017A2TD006 | ○ F017A3TD006 | ○ F017A4TD006 |
| ● F017A1TD033 | ● F017A2TD033 | ● F017A3TD033 | ● F017A4TD033 |

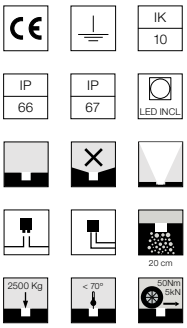



@3000K

Beam Angle: 12°

| h(m) | E(lx) | D(m) |
|---|---|---|
| 1 | 1526 | 0.21 |
| 2 | 382 | 0.42 |
| 3 | 170 | 0.62 |
| 4 | 95 | 0.83 |
| 5 | 61 | 1.04 |




High-power LED source included and rear lenses. 1-10V or DALI on-off and dimmable 220-240V power supply.
Compulsory installation box to be ordered separately.
Pre-wired with $H_2O$ Stop quick connectors, plug/socket included.
ACT (Anti-Corrosion Treatment) upon request.

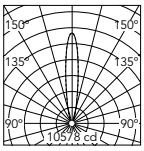
Fuente LED de alta potencia incluida y ópticas retrocedidas. Alimentación 220-240 V on-off y regulable 1-10V y DALI.
La caja de montaje para la instalación obligatoria debe pedirse por separado.
Precableado con conectores rápidos $H_2O$ Stop toma/enchufe incluidos.
ACT (Anti Corrosion Treatment) bajo petición.

### Optic Spot 16º

**Power Led:** 17W - LED 1863 lm ≠ OUTPUT 1368 lm - 2200K/CRI 80 / 17W - LED 1932 lm ≠ OUTPUT 1419 lm - 2700K/CRI 80 / 17W - LED 2070 lm ≠ OUTPUT 1520 lm - 3000K/CRI 80 / 17W - LED 2139 lm ≠ OUTPUT 1571 lm - 4000K/CRI 80

| 2200K | 2700K | 3000K | 4000K |
|---|---|---|---|
| Non Dimmable | Non Dimmable | Non Dimmable | Non Dimmable |
| ○ F017B1AA006 | ○ F017B2AA006 | ○ F017B3AA006 | ○ F017B4AA006 |
| ● F017B1AA033 | ● F017B2AA033 | ● F017B3AA033 | ● F017B4AA033 |
| 1-10V | 1-10V | 1-10V | 1-10V |
| ○ F017B1AB006 | ○ F017B2AB006 | ○ F017B3AB006 | ○ F017B4AB006 |
| ● F017B1AB033 | ● F017B2AB033 | ● F017B3AB033 | ● F017B4AB033 |
| Dali | Dali | Dali | Dali |
| ○ F017B1AD006 | ○ F017B2AD006 | ○ F017B3AD006 | ○ F017B4AD006 |
| ● F017B1AD033 | ● F017B2AD033 | ● F017B3AD033 | ● F017B4AD033 |

16°
SPOT




@3000K

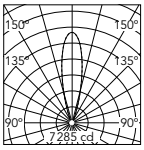
| Beam Angle: | 16° | |
|---|---|---|
| h(m) | E(lx) | D(m) |
| 1 | 10578 | 0.27 |
| 2 | 2644 | 0.55 |
| 3 | 1175 | 0.82 |
| 4 | 661 | 1.09 |
| 5 | 423 | 1.37 |

### Optic Medium 25º

**Power Led:** 17W - LED 1863 lm ≠ OUTPUT 1473 lm - 2200K/CRI 80 / 17W - LED 1932 lm ≠ OUTPUT 1527 lm - 2700K/CRI 80 / 17W - LED 2070 lm ≠ OUTPUT 1636 lm - 3000K/CRI 80 / 17W - LED 2139 lm ≠ OUTPUT 1691 lm - 4000K/CRI 80

| 2200K | 2700K | 3000K | 4000K |
|---|---|---|---|
| Non Dimmable | Non Dimmable | Non Dimmable | Non Dimmable |
| ○ F017B1BA006 | ○ F017B2BA006 | ○ F017B3BA006 | ○ F017B4BA006 |
| ● F017B1BA033 | ● F017B2BA033 | ● F017B3BA033 | ● F017B4BA033 |
| 1-10V | 1-10V | 1-10V | 1-10V |
| ○ F017B1BB006 | ○ F017B2BB006 | ○ F017B3BB006 | ○ F017B4BB006 |
| ● F017B1BB033 | ● F017B2BB033 | ● F017B3BB033 | ● F017B4BB033 |
| Dali | Dali | Dali | Dali |
| ○ F017B1BD006 | ○ F017B2BD006 | ○ F017B3BD006 | ○ F017B4BD006 |
| ● F017B1BD033 | ● F017B2BD033 | ● F017B3BD033 | ● F017B4BD033 |

25°
MEDIUM




@3000K

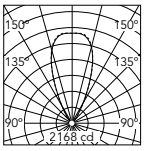
| Beam Angle: | 25° | |
|---|---|---|
| h(m) | E(lx) | D(m) |
| 1 | 7285 | 0.44 |
| 2 | 1821 | 0.88 |
| 3 | 809 | 1.32 |
| 4 | 455 | 1.76 |
| 5 | 291 | 2.20 |

### Optic Flood 46º

**Power Led:** 17W - LED 1863 lm ≠ OUTPUT 1283 lm - 2200K/CRI 80 / 17W - LED 1932 lm ≠ OUTPUT 1330 lm - 2700K/CRI 80 / 17W - LED 2070 lm ≠ OUTPUT 1425 lm - 3000K/CRI 80 / 17W - LED 2139 lm ≠ OUTPUT 1473 lm - 4000K/CRI 80

| 2200K | 2700K | 3000K | 4000K |
|---|---|---|---|
| Non Dimmable | Non Dimmable | Non Dimmable | Non Dimmable |
| ○ F017B1CA006 | ○ F017B2CA006 | ○ F017B3CA006 | ○ F017B4CA006 |
| ● F017B1CA033 | ● F017B2CA033 | ● F017B3CA033 | ● F017B4CA033 |
| 1-10V | 1-10V | 1-10V | 1-10V |
| ○ F017B1CB006 | ○ F017B2CB006 | ○ F017B3CB006 | ○ F017B4CB006 |
| ● F017B1CB033 | ● F017B2CB033 | ● F017B3CB033 | ● F017B4CB033 |
| Dali | Dali | Dali | Dali |
| ○ F017B1CD006 | ○ F017B2CD006 | ○ F017B3CD006 | ○ F017B4CD006 |
| ● F017B1CD033 | ● F017B2CD033 | ● F017B3CD033 | ● F017B4CD033 |

46°
FLOOD




@3000K

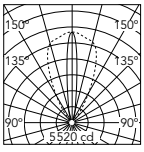
| Beam Angle: | 46° | |
|---|---|---|
| h(m) | E(lx) | D(m) |
| 1 | 2158 | 0.85 |
| 2 | 539 | 1.71 |
| 3 | 240 | 2.56 |
| 4 | 135 | 3.42 |
| 5 | 86 | 4.27 |

### Optic Elliptical 12º x 50º

**Power Led:** 17W - LED 1863 lm ≠ OUTPUT 1286 lm - 2200K/CRI 80 / 17W - LED 1932 lm ≠ OUTPUT 1334 lm - 2700K/CRI 80 / 17W - LED 2070 lm ≠ OUTPUT 1429 lm - 3000K/CRI 80 / 17W - LED 2139 lm ≠ OUTPUT 1477 lm - 4000K/CRI 80

| 2200K | 2700K | 3000K | 4000K |
|---|---|---|---|
| Non Dimmable | Non Dimmable | Non Dimmable | Non Dimmable |
| ○ F017B1DA006 | ○ F017B2DA006 | ○ F017B3DA006 | ○ F017B4DA006 |
| ● F017B1DA033 | ● F017B2DA033 | ● F017B3DA033 | ● F017B4DA033 |
| 1-10V | 1-10V | 1-10V | 1-10V |
| ○ F017B1DB006 | ○ F017B2DB006 | ○ F017B3DB006 | ○ F017B4DB006 |
| ● F017B1DB033 | ● F017B2DB033 | ● F017B3DB033 | ● F017B4DB033 |
| Dali | Dali | Dali | Dali |
| ○ F017B1DD006 | ○ F017B2DD006 | ○ F017B3DD006 | ○ F017B4DD006 |
| ● F017B1DD033 | ● F017B2DD033 | ● F017B3DD033 | ● F017B4DD033 |

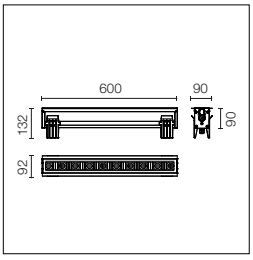
12°x50°
ELLIPTICAL

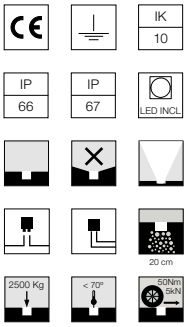



@3000K

| Beam Angle: | 12° | |
|---|---|---|
| h(m) | E(lx) | D(m) |
| 1 | 5519 | 0.22 |
| 2 | 1380 | 0.44 |
| 3 | 613 | 0.66 |
| 4 | 345 | 0.87 |
| 5 | 221 | 1.09 |

## Ingraze Fixed Frame + Linear Louvre L 600



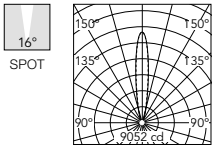

High-power LED source included and rear lenses equipped with anti-glare diffuser grille. 1-10V or DALI on-off and dimmable 220-240V power supply.
Compulsory installation box to be ordered separately.
Pre-wired with $H_2O$ Stop quick connectors, plug/socket included.
ACT (Anti-Corrosion Treatment) upon request.

Fuente LED de alta potencia incluida y ópticas retrocedidas equipadas con difusor de rejilla antideslumbrante. Alimentación 220-240 V on-off y regulable 1-10V y DALI.
La caja de montaje para la instalación obligatoria debe pedirse por separado.
Precableado con conectores rápidos $H_2O$ Stop toma/enchufe incluidos.
ACT (Anti Corrosion Treatment) bajo petición.

### Optic Spot 16º

**Power Led:** 17W - LED 1863 lm ≠ OUTPUT 1003 lm - 2200K/CRI 80 / 17W - LED 1932 lm ≠ OUTPUT 1040 lm - 2700K/CRI 80 / 17W - LED 2070 lm ≠ OUTPUT 1115 lm - 3000K/CRI 80 / 17W - LED 2139 lm ≠ OUTPUT 1152 lm - 4000K/CRI 80

| 2200K | 2700K | 3000K | 4000K |
|---|---|---|---|
| Non Dimmable | Non Dimmable | Non Dimmable | Non Dimmable |
| ○ F017B1HA006 | ○ F017B2HA006 | ○ F017B3HA006 | ○ F017B4HA006 |
| ● F017B1HA033 | ● F017B2HA033 | ● F017B3HA033 | ● F017B4HA033 |
| 1-10V | 1-10V | 1-10V | 1-10V |
| ○ F017B1HB006 | ○ F017B2HB006 | ○ F017B3HB006 | ○ F017B4HB006 |
| ● F017B1HB033 | ● F017B2HB033 | ● F017B3HB033 | ● F017B4HB033 |
| Dali | Dali | Dali | Dali |
| ○ F017B1HD006 | ○ F017B2HD006 | ○ F017B3HD006 | ○ F017B4HD006 |
| ● F017B1HD033 | ● F017B2HD033 | ● F017B3HD033 | ● F017B4HD033 |




Beam Angle: 16°

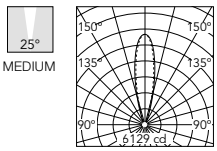
| h(m) | E(lx) | D(m) |
|---|---|---|
| 1 | 9052 | 0.28 |
| 2 | 2263 | 0.56 |
| 3 | 1006 | 0.83 |
| 4 | 566 | 1.11 |
| 5 | 362 | 1.39 |

@3000K

### Optic Medium 25º

**Power Led:** 17W - LED 1863 lm ≠ OUTPUT 1063 lm - 2200K/CRI 80 / 17W - LED 1932 lm ≠ OUTPUT 1102 lm - 2700K/CRI 80 / 17W - LED 2070 lm ≠ OUTPUT 1181 lm - 3000K/CRI 80 / 17W - LED 2139 lm ≠ OUTPUT 1220 lm - 4000K/CRI 80

| 2200K | 2700K | 3000K | 4000K |
|---|---|---|---|
| Non Dimmable | Non Dimmable | Non Dimmable | Non Dimmable |
| ○ F017B1JA006 | ○ F017B2JA006 | ○ F017B3JA006 | ○ F017B4JA006 |
| ● F017B1JA033 | ● F017B2JA033 | ● F017B3JA033 | ● F017B4JA033 |
| 1-10V | 1-10V | 1-10V | 1-10V |
| ○ F017B1JB006 | ○ F017B2JB006 | ○ F017B3JB006 | ○ F017B4JB006 |
| ● F017B1JB033 | ● F017B2JB033 | ● F017B3JB033 | ● F017B4JB033 |
| Dali | Dali | Dali | Dali |
| ○ F017B1JD006 | ○ F017B2JD006 | ○ F017B3JD006 | ○ F017B4JD006 |
| ● F017B1JD033 | ● F017B2JD033 | ● F017B3JD033 | ● F017B4JD033 |




Beam Angle: 25°

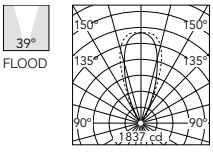
| h(m) | E(lx) | D(m) |
|---|---|---|
| 1 | 6129 | 0.44 |
| 2 | 1532 | 0.87 |
| 3 | 681 | 1.31 |
| 4 | 383 | 1.74 |
| 5 | 245 | 2.18 |

@3000K

### Optic Flood 39º

**Power Led:** 17W - LED 1863 lm ≠ OUTPUT 820 lm - 2200K/CRI 80 / 17W - LED 1932 lm ≠ OUTPUT 850 lm - 2700K/CRI 80 / 17W - LED 2070 lm ≠ OUTPUT 911 lm - 3000K/CRI 80 / 17W - LED 2139 lm ≠ OUTPUT 944 lm - 4000K/CRI 80

| 2200K | 2700K | 3000K | 4000K |
|---|---|---|---|
| Non Dimmable | Non Dimmable | Non Dimmable | Non Dimmable |
| ○ F017B1KA006 | ○ F017B2KA006 | ○ F017B3KA006 | ○ F017B4KA006 |
| ● F017B1KA033 | ● F017B2KA033 | ● F017B3KA033 | ● F017B4KA033 |
| 1-10V | 1-10V | 1-10V | 1-10V |
| ○ F017B1KB006 | ○ F017B2KB006 | ○ F017B3KB006 | ○ F017B4KB006 |
| ● F017B1KB033 | ● F017B2KB033 | ● F017B3KB033 | ● F017B4KB033 |
| Dali | Dali | Dali | Dali |
| ○ F017B1KD006 | ○ F017B2KD006 | ○ F017B3KD006 | ○ F017B4KD006 |
| ● F017B1KD033 | ● F017B2KD033 | ● F017B3KD033 | ● F017B4KD033 |




Beam Angle: 39°

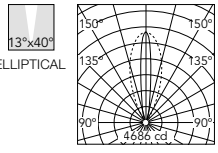
| h(m) | E(lx) | D(m) |
|---|---|---|
| 1 | 1832 | 0.71 |
| 2 | 458 | 1.43 |
| 3 | 204 | 2.14 |
| 4 | 115 | 2.86 |
| 5 | 73 | 3.57 |

@3000K

### Optic Elliptical 13º x 40º

**Power Led:** 17W - LED 1863 lm ≠ OUTPUT 820 lm - 2200K/CRI 80 / 17W - LED 1932 lm ≠ OUTPUT 850 lm - 2700K/CRI 80 / 17W - LED 2070 lm ≠ OUTPUT 911 lm - 3000K/CRI 80 / 17W - LED 2139 lm ≠ OUTPUT 941 lm - 4000K/CRI 80

| 2200K | 2700K | 3000K | 4000K |
|---|---|---|---|
| Non Dimmable | Non Dimmable | Non Dimmable | Non Dimmable |
| ○ F017B1LA006 | ○ F017B2LA006 | ○ F017B3LA006 | ○ F017B4LA006 |
| ● F017B1LA033 | ● F017B2LA033 | ● F017B3LA033 | ● F017B4LA033 |
| 1-10V | 1-10V | 1-10V | 1-10V |
| ○ F017B1LB006 | ○ F017B2LB006 | ○ F017B3LB006 | ○ F017B4LB006 |
| ● F017B1LB033 | ● F017B2LB033 | ● F017B3LB033 | ● F017B4LB033 |
| Dali | Dali | Dali | Dali |
| ○ F017B1LD006 | ○ F017B2LD006 | ○ F017B3LD006 | ○ F017B4LD006 |
| ● F017B1LD033 | ● F017B2LD033 | ● F017B3LD033 | ● F017B4LD033 |

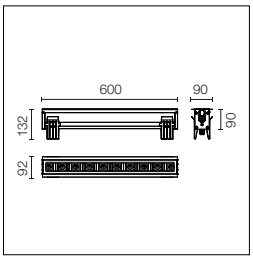


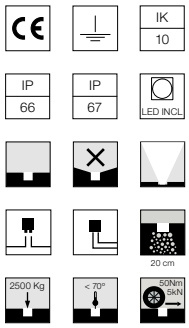

Beam Angle: 13°

| h(m) | E(lx) | D(m) |
|---|---|---|
| 1 | 4686 | 0.22 |
| 2 | 1172 | 0.44 |
| 3 | 521 | 0.67 |
| 4 | 293 | 0.89 |
| 5 | 187 | 1.11 |

@3000K

## Ingraze Fixed Frame + Asymmetric Louvre L 600




High-power LED source included and rear lenses equipped with anti-glare asymmetrical diffuser grille. 1-10V or DALI on-off and dimmable 220-240V power supply. Compulsory installation box to be ordered separately. Pre-wired with $H_2O$ Stop quick connectors, plug/socket included. ACT (Anti-Corrosion Treatment) upon request.

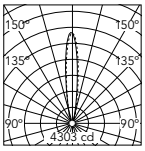
Fuente LED de alta potencia incluida y ópticas retrocedidas equipadas con difusor de rejilla asimétrico antideslumbrante. Alimentación 220-240 V on-off y regulable 1-10V y DALI. La caja de montaje para la instalación obligatoria debe pedirse por separado. Precableado con conectores rápidos $H_2O$ Stop toma/enchufe incluidos. ACT (Anti Corrosion Treatment) bajo petición.

### Optic Spot 16º

**Power Led:** 17W - LED 1863 lm ≠ OUTPUT 477 lm - 2200K/CRI 80 / 17W - LED 1932 lm ≠ OUTPUT 495 lm - 2700K/CRI 80 / 17W - LED 2070 lm ≠ OUTPUT 530 lm - 3000K/CRI 80 / 17W - LED 2139 lm ≠ OUTPUT 548 lm - 4000K/CRI 80

| 2200K | 2700K | 3000K | 4000K |
|---|---|---|---|
| Non Dimmable | Non Dimmable | Non Dimmable | Non Dimmable |
| ● F017B1QA006 | ● F017B2QA006 | ● F017B3QA006 | ● F017B4QA006 |
| ● F017B1QA033 | ● F017B2QA033 | ● F017B3QA033 | ● F017B4QA033 |
| 1-10V | 1-10V | 1-10V | 1-10V |
| ● F017B1QB006 | ● F017B2QB006 | ● F017B3QB006 | ● F017B4QB006 |
| ● F017B1QB033 | ● F017B2QB033 | ● F017B3QB033 | ● F017B4QB033 |
| Dali | Dali | Dali | Dali |
| ● F017B1QD006 | ● F017B2QD006 | ● F017B3QD006 | ● F017B4QD006 |
| ● F017B1QD033 | ● F017B2QD033 | ● F017B3QD033 | ● F017B4QD033 |

15°
SPOT




@3000K

Beam Angle: 15°

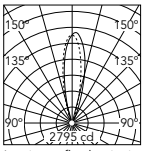
| h(m) | E(lx) | D(m) |
|---|---|---|
| 1 | 4300 | 0.25 |
| 2 | 1075 | 0.51 |
| 3 | 478 | 0.76 |
| 4 | 269 | 1.02 |
| 5 | 172 | 1.27 |

### Optic Medium 25º

**Power Led:** 17W - LED 1863 lm ≠ OUTPUT 505 lm - 2200K/CRI 80 / 17W - LED 1932 lm ≠ OUTPUT 523 lm - 2700K/CRI 80 / 17W - LED 2070 lm ≠ OUTPUT 561 lm - 3000K/CRI 80 / 17W - LED 2139 lm ≠ OUTPUT 579 lm - 4000K/CRI 80

| 2200K | 2700K | 3000K | 4000K |
|---|---|---|---|
| Non Dimmable | Non Dimmable | Non Dimmable | Non Dimmable |
| ● F017B1RA006 | ● F017B2RA006 | ● F017B3RA006 | ● F017B4RA006 |
| ● F017B1RA033 | ● F017B2RA033 | ● F017B3RA033 | ● F017B4RA033 |
| 1-10V | 1-10V | 1-10V | 1-10V |
| ● F017B1RB006 | ● F017B2RB006 | ● F017B3RB006 | ● F017B4RB006 |
| ● F017B1RB033 | ● F017B2RB033 | ● F017B3RB033 | ● F017B4RB033 |
| Dali | Dali | Dali | Dali |
| ● F017B1RD006 | ● F017B2RD006 | ● F017B3RD006 | ● F017B4RD006 |
| ● F017B1RD033 | ● F017B2RD033 | ● F017B3RD033 | ● F017B4RD033 |

25°
MEDIUM




@3000K

Beam Angle: 25°

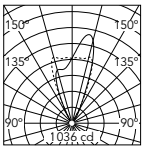
| h(m) | E(lx) | D(m) |
|---|---|---|
| 1 | 2790 | 0.45 |
| 2 | 698 | 0.89 |
| 3 | 310 | 1.34 |
| 4 | 174 | 1.78 |
| 5 | 112 | 2.23 |

### Optic Flood 46º

**Power Led:** 17W - LED 1863 lm ≠ OUTPUT 404 lm - 2200K/CRI 80 / 17W - LED 1932 lm ≠ OUTPUT 419 lm - 2700K/CRI 80 / 17W - LED 2070 lm ≠ OUTPUT 449 lm - 3000K/CRI 80 / 17W - LED 2139 lm ≠ OUTPUT 464 lm - 4000K/CRI 80

| 2200K | 2700K | 3000K | 4000K |
|---|---|---|---|
| Non Dimmable | Non Dimmable | Non Dimmable | Non Dimmable |
| ● F017B1SA006 | ● F017B2SA006 | ● F017B3SA006 | ● F017B4SA006 |
| ● F017B1SA033 | ● F017B2SA033 | ● F017B3SA033 | ● F017B4SA033 |
| 1-10V | 1-10V | 1-10V | 1-10V |
| ● F017B1SB006 | ● F017B2SB006 | ● F017B3SB006 | ● F017B4SB006 |
| ● F017B1SB033 | ● F017B2SB033 | ● F017B3SB033 | ● F017B4SB033 |
| Dali | Dali | Dali | Dali |
| ● F017B1SD006 | ● F017B2SD006 | ● F017B3SD006 | ● F017B4SD006 |
| ● F017B1SD033 | ● F017B2SD033 | ● F017B3SD033 | ● F017B4SD033 |

42°
FLOOD




@3000K

Beam Angle: 42°

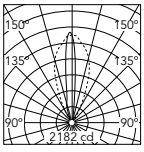
| h(m) | E(lx) | D(m) |
|---|---|---|
| 1 | 983 | 0.76 |
| 2 | 246 | 1.51 |
| 3 | 109 | 2.27 |
| 4 | 61 | 3.03 |
| 5 | 39 | 3.78 |

### Optic Elliptical 12º x 40º

**Power Led:** 17W - LED 1863 lm ≠ OUTPUT 387 lm - 2200K/CRI 80 / 17W - LED 1932 lm ≠ OUTPUT 401 lm - 2700K/CRI 80 / 17W - LED 2070 lm ≠ OUTPUT 430 lm - 3000K/CRI 80 / 17W - LED 2139 lm ≠ OUTPUT 444 lm - 4000K/CRI 80

| 2200K | 2700K | 3000K | 4000K |
|---|---|---|---|
| Non Dimmable | Non Dimmable | Non Dimmable | Non Dimmable |
| ● F017B1TA006 | ● F017B2TA006 | ● F017B3TA006 | ● F017B4TA006 |
| ● F017B1TA033 | ● F017B2TA033 | ● F017B3TA033 | ● F017B4TA033 |
| 1-10V | 1-10V | 1-10V | 1-10V |
| ● F017B1TB006 | ● F017B2TB006 | ● F017B3TB006 | ● F017B4TB006 |
| ● F017B1TB033 | ● F017B2TB033 | ● F017B3TB033 | ● F017B4TB033 |
| Dali | Dali | Dali | Dali |
| ● F017B1TD006 | ● F017B2TD006 | ● F017B3TD006 | ● F017B4TD006 |
| ● F017B1TD033 | ● F017B2TD033 | ● F017B3TD033 | ● F017B4TD033 |

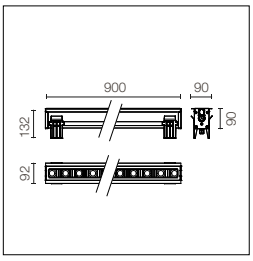
12°x40°
ELLIPTICAL

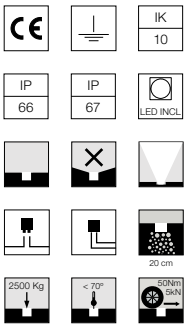



@3000K

Beam Angle: 12°

| h(m) | E(lx) | D(m) |
|---|---|---|
| 1 | 2181 | 0.21 |
| 2 | 545 | 0.42 |
| 3 | 242 | 0.62 |
| 4 | 136 | 0.83 |
| 5 | 87 | 1.04 |



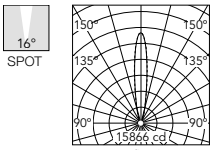

High-power LED source included and rear lenses. 1-10V or DALI on-off and dimmable 220-240V power supply.
Compulsory installation box to be ordered separately.
Pre-wired with $H_2O$ Stop quick connectors, plug/socket included.
ACT (Anti-Corrosion Treatment) upon request.

Fuente LED de alta potencia incluida y ópticas retrocedidas. Alimentación 220-240 V on-off y regulable 1-10V y DALI.
La caja de montaje para la instalación obligatoria debe pedirse por separado.
Precableado con conectores rápidos $H_2O$ Stop toma/enchufe incluidos.
ACT (Anti Corrosion Treatment) bajo petición.

### Optic Spot 16º

**Power Led:** 26W - LED 2795 lm ≠ OUTPUT 2052 lm - 2200K/CRI 80 / 26W - LED 2898 lm ≠ OUTPUT 2128 lm - 2700K/CRI 80 / 26W - LED 3105 lm ≠ OUTPUT 2280 lm - 3000K/CRI 80 / 26W - LED 3209 lm ≠ OUTPUT 2356 lm - 4000K/CRI 80

| 2200K | 2700K | 3000K | 4000K |
|---|---|---|---|
| Non Dimmable | Non Dimmable | Non Dimmable | Non Dimmable |
| ○ F017C1AA006 | ○ F017C2AA006 | ○ F017C3AA006 | ○ F017C4AA006 |
| ● F017C1AA033 | ● F017C2AA033 | ● F017C3AA033 | ● F017C4AA033 |
| 1-10V | 1-10V | 1-10V | 1-10V |
| ○ F017C1AB006 | ○ F017C2AB006 | ○ F017C3AB006 | ○ F017C4AB006 |
| ● F017C1AB033 | ● F017C2AB033 | ● F017C3AB033 | ● F017C4AB033 |
| Dali | Dali | Dali | Dali |
| ○ F017C1AD006 | ○ F017C2AD006 | ○ F017C3AD006 | ○ F017C4AD006 |
| ● F017C1AD033 | ● F017C2AD033 | ● F017C3AD033 | ● F017C4AD033 |



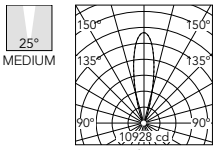

@3000K

| Beam Angle: | 16° | |
|---|---|---|
| h(m) | E(lx) | D(m) |
| 1 | 15866 | 0.27 |
| 2 | 3967 | 0.55 |
| 3 | 1763 | 0.82 |
| 4 | 992 | 1.09 |
| 5 | 635 | 1.37 |

### Optic Medium 25º

**Power Led:** 26W - LED 2795 lm ≠ OUTPUT 2209 lm - 2200K/CRI 80 / 26W - LED 2898 lm ≠ OUTPUT 2291 lm - 2700K/CRI 80 / 26W - LED 3105 lm ≠ OUTPUT 2454 lm - 3000K/CRI 80 / 26W - LED 3209 lm ≠ OUTPUT 2536 lm - 4000K/CRI 80

| 2200K | 2700K | 3000K | 4000K |
|---|---|---|---|
| Non Dimmable | Non Dimmable | Non Dimmable | Non Dimmable |
| ○ F017C1BA006 | ○ F017C2BA006 | ○ F017C3BA006 | ○ F017C4BA006 |
| ● F017C1BA033 | ● F017C2BA033 | ● F017C3BA033 | ● F017C4BA033 |
| 1-10V | 1-10V | 1-10V | 1-10V |
| ○ F017C1BB006 | ○ F017C2BB006 | ○ F017C3BB006 | ○ F017C4BB006 |
| ● F017C1BB033 | ● F017C2BB033 | ● F017C3BB033 | ● F017C4BB033 |
| Dali | Dali | Dali | Dali |
| ○ F017C1BD006 | ○ F017C2BD006 | ○ F017C3BD006 | ○ F017C4BD006 |
| ● F017C1BD033 | ● F017C2BD033 | ● F017C3BD033 | ● F017C4BD033 |



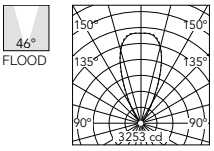

@3000K

| Beam Angle: | 25° | |
|---|---|---|
| h(m) | E(lx) | D(m) |
| 1 | 10928 | 0.44 |
| 2 | 2732 | 0.88 |
| 3 | 1214 | 1.32 |
| 4 | 683 | 1.76 |
| 5 | 437 | 2.20 |

### Optic Flood 46º

**Power Led:** 26W - LED 2795 lm ≠ OUTPUT 1924 lm - 2200K/CRI 80 / 26W - LED 2898 lm ≠ OUTPUT 1995 lm - 2700K/CRI 80 / 26W - LED 3105 lm ≠ OUTPUT 2138 lm - 3000K/CRI 80 / 26W - LED 3209 lm ≠ OUTPUT 2209 lm - 4000K/CRI 80

| 2200K | 2700K | 3000K | 4000K |
|---|---|---|---|
| Non Dimmable | Non Dimmable | Non Dimmable | Non Dimmable |
| ○ F017C1CA006 | ○ F017C2CA006 | ○ F017C3CA006 | ○ F017C4CA006 |
| ● F017C1CA033 | ● F017C2CA033 | ● F017C3CA033 | ● F017C4CA033 |
| 1-10V | 1-10V | 1-10V | 1-10V |
| ○ F017C1CB006 | ○ F017C2CB006 | ○ F017C3CB006 | ○ F017C4CB006 |
| ● F017C1CB033 | ● F017C2CB033 | ● F017C3CB033 | ● F017C4CB033 |
| Dali | Dali | Dali | Dali |
| ○ F017C1CD006 | ○ F017C2CD006 | ○ F017C3CD006 | ○ F017C4CD006 |
| ● F017C1CD033 | ● F017C2CD033 | ● F017C3CD033 | ● F017C4CD033 |



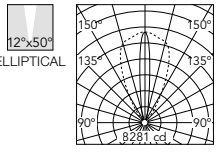

@3000K

| Beam Angle: | 46° | |
|---|---|---|
| h(m) | E(lx) | D(m) |
| 1 | 3238 | 0.85 |
| 2 | 809 | 1.71 |
| 3 | 360 | 2.56 |
| 4 | 202 | 3.42 |
| 5 | 130 | 4.27 |

### Optic Elliptical 12º x 50º

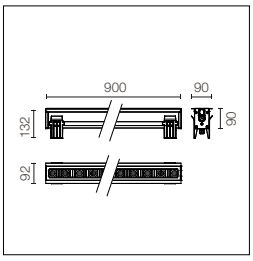
**Power Led:** 26W - LED 2795 lm ≠ OUTPUT 1929 lm - 2200K/CRI 80 / 26W - LED 2898 lm ≠ OUTPUT 2001 lm - 2700K/CRI 80 / 26W - LED 3105 lm ≠ OUTPUT 2144 lm - 3000K/CRI 80 / 26W - LED 3209 lm ≠ OUTPUT 2215 lm - 4000K/CRI 80

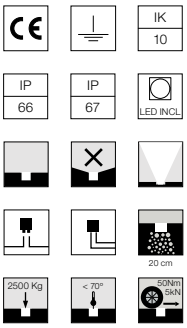
| 2200K | 2700K | 3000K | 4000K |
|---|---|---|---|
| Non Dimmable | Non Dimmable | Non Dimmable | Non Dimmable |
| ○ F017C1DA006 | ○ F017C2DA006 | ○ F017C3DA006 | ○ F017C4DA006 |
| ● F017C1DA033 | ● F017C2DA033 | ● F017C3DA033 | ● F017C4DA033 |
| 1-10V | 1-10V | 1-10V | 1-10V |
| ○ F017C1DB006 | ○ F017C2DB006 | ○ F017C3DB006 | ○ F017C4DB006 |
| ● F017C1DB033 | ● F017C2DB033 | ● F017C3DB033 | ● F017C4DB033 |
| Dali | Dali | Dali | Dali |
| ○ F017C1DD006 | ○ F017C2DD006 | ○ F017C3DD006 | ○ F017C4DD006 |
| ● F017C1DD033 | ● F017C2DD033 | ● F017C3DD033 | ● F017C4DD033 |




@3000K

| Beam Angle: | 12° | |
|---|---|---|
| h(m) | E(lx) | D(m) |
| 1 | 8280 | 0.22 |
| 2 | 2070 | 0.44 |
| 3 | 920 | 0.66 |
| 4 | 517 | 0.87 |
| 5 | 331 | 1.09 |



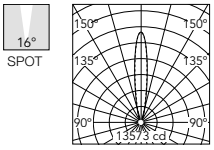

High-power LED source included and rear lenses equipped with anti-glare diffuser grille. 1-10V or DALI on-off and dimmable 220-240V power supply.
Compulsory installation box to be ordered separately.
Pre-wired with $H_2O$ Stop quick connectors, plug/socket included.
ACT (Anti-Corrosion Treatment) upon request.

Fuente LED de alta potencia incluida y ópticas retrocedidas equipadas con difusor de rejilla antideslumbrante. Alimentación 220-240 V on-off y regulable 1-10V y DALI.
La caja de montaje para la instalación obligatoria debe pedirse por separado.
Precableado con conectores rápidos $H_2O$ Stop toma/enchufe incluidos.
ACT (Anti Corrosion Treatment) bajo petición.

### Optic Spot 16º

**Power Led:** 26W - LED 2795 lm ≠ OUTPUT 1505 lm - 2200K/CRI 80 / 26W - LED 2898 lm ≠ OUTPUT 1560 lm - 2700K/CRI 80 / 26W - LED 3105 lm ≠ OUTPUT 1672 lm - 3000K/CRI 80 / 26W - LED 3209 lm ≠ OUTPUT 1728 lm - 4000K/CRI 80

| 2200K | 2700K | 3000K | 4000K |
|---|---|---|---|
| Non Dimmable | Non Dimmable | Non Dimmable | Non Dimmable |
| ○ F017C1HA006 | ○ F017C2HA006 | ○ F017C3HA006 | ○ F017C4HA006 |
| ● F017C1HA033 | ● F017C2HA033 | ● F017C3HA033 | ● F017C4HA033 |
| 1-10V | 1-10V | 1-10V | 1-10V |
| ○ F017C1HB006 | ○ F017C2HB006 | ○ F017C3HB006 | ○ F017C4HB006 |
| ● F017C1HB033 | ● F017C2HB033 | ● F017C3HB033 | ● F017C4HB033 |
| Dali | Dali | Dali | Dali |
| ○ F017C1HD006 | ○ F017C2HD006 | ○ F017C3HD006 | ○ F017C4HD006 |
| ● F017C1HD033 | ● F017C2HD033 | ● F017C3HD033 | ● F017C4HD033 |



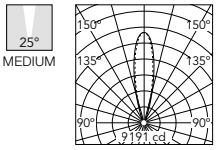

@3000K

| Beam Angle: | 16° | |
|---|---|---|
| h(m) | E(lx) | D(m) |
| 1 | 13573 | 0.28 |
| 2 | 3393 | 0.56 |
| 3 | 1508 | 0.83 |
| 4 | 848 | 1.11 |
| 5 | 543 | 1.39 |

### Optic Medium 25º

**Power Led:** 26W - LED 2795 lm ≠ OUTPUT 1594 lm - 2200K/CRI 80 / 26W - LED 2898 lm ≠ OUTPUT 1653 lm - 2700K/CRI 80 / 26W - LED 3105 lm ≠ OUTPUT 1771 lm - 3000K/CRI 80 / 26W - LED 3209 lm ≠ OUTPUT 1830 lm - 4000K/CRI 80

| 2200K | 2700K | 3000K | 4000K |
|---|---|---|---|
| Non Dimmable | Non Dimmable | Non Dimmable | Non Dimmable |
| ○ F017C1JA006 | ○ F017C2JA006 | ○ F017C3JA006 | ○ F017C4JA006 |
| ● F017C1JA033 | ● F017C2JA033 | ● F017C3JA033 | ● F017C4JA033 |
| 1-10V | 1-10V | 1-10V | 1-10V |
| ○ F017C1JB006 | ○ F017C2JB006 | ○ F017C3JB006 | ○ F017C4JB006 |
| ● F017C1JB033 | ● F017C2JB033 | ● F017C3JB033 | ● F017C4JB033 |
| Dali | Dali | Dali | Dali |
| ○ F017C1JD006 | ○ F017C2JD006 | ○ F017C3JD006 | ○ F017C4JD006 |
| ● F017C1JD033 | ● F017C2JD033 | ● F017C3JD033 | ● F017C4JD033 |



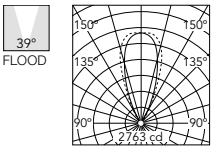

@3000K

| Beam Angle: | 25° | |
|---|---|---|
| h(m) | E(lx) | D(m) |
| 1 | 9191 | 0.44 |
| 2 | 2298 | 0.87 |
| 3 | 1021 | 1.31 |
| 4 | 574 | 1.74 |
| 5 | 368 | 2.18 |

### Optic Flood 39º

**Power Led:** 26W - LED 2795 lm ≠ OUTPUT 1233 lm - 2200K/CRI 80 / 26W - LED 2898 lm ≠ OUTPUT 1278 lm - 2700K/CRI 80 / 26W - LED 3105 lm ≠ OUTPUT 1370 lm - 3000K/CRI 80 / 26W - LED 3209 lm ≠ OUTPUT 1415 lm - 4000K/CRI 80

| 2200K | 2700K | 3000K | 4000K |
|---|---|---|---|
| Non Dimmable | Non Dimmable | Non Dimmable | Non Dimmable |
| ○ F017C1KA006 | ○ F017C2KA006 | ○ F017C3KA006 | ○ F017C4KA006 |
| ● F017C1KA033 | ● F017C2KA033 | ● F017C3KA033 | ● F017C4KA033 |
| 1-10V | 1-10V | 1-10V | 1-10V |
| ○ F017C1KB006 | ○ F017C2KB006 | ○ F017C3KB006 | ○ F017C4KB006 |
| ● F017C1KB033 | ● F017C2KB033 | ● F017C3KB033 | ● F017C4KB033 |
| Dali | Dali | Dali | Dali |
| ○ F017C1KD006 | ○ F017C2KD006 | ○ F017C3KD006 | ○ F017C4KD006 |
| ● F017C1KD033 | ● F017C2KD033 | ● F017C3KD033 | ● F017C4KD033 |



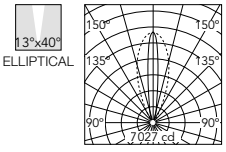

@3000K

| Beam Angle: | 39° | |
|---|---|---|
| h(m) | E(lx) | D(m) |
| 1 | 2755 | 0.71 |
| 2 | 689 | 1.43 |
| 3 | 306 | 2.14 |
| 4 | 172 | 2.86 |
| 5 | 110 | 3.57 |

### Optic Elliptical 13º x 40º

**Power Led:** 26W - LED 2795 lm ≠ OUTPUT 1229 lm - 2200K/CRI 80 / 26W - LED 2898 lm ≠ OUTPUT 1275 lm - 2700K/CRI 80 / 26W - LED 3105 lm ≠ OUTPUT 1366 lm - 3000K/CRI 80 / 26W - LED 3209 lm ≠ OUTPUT 1411 lm - 4000K/CRI 80

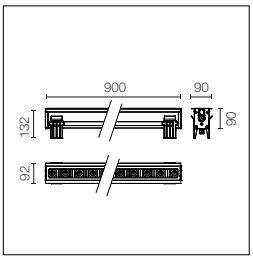
| 2200K | 2700K | 3000K | 4000K |
|---|---|---|---|
| Non Dimmable | Non Dimmable | Non Dimmable | Non Dimmable |
| ○ F017C1LA006 | ○ F017C2LA006 | ○ F017C3LA006 | ○ F017C4LA006 |
| ● F017C1LA033 | ● F017C2LA033 | ● F017C3LA033 | ● F017C4LA033 |
| 1-10V | 1-10V | 1-10V | 1-10V |
| ○ F017C1LB006 | ○ F017C2LB006 | ○ F017C3LB006 | ○ F017C4LB006 |
| ● F017C1LB033 | ● F017C2LB033 | ● F017C3LB033 | ● F017C4LB033 |
| Dali | Dali | Dali | Dali |
| ○ F017C1LD006 | ○ F017C2LD006 | ○ F017C3LD006 | ○ F017C4LD006 |
| ● F017C1LD033 | ● F017C2LD033 | ● F017C3LD033 | ● F017C4LD033 |

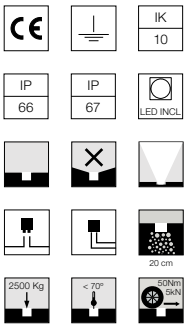



@3000K

| Beam Angle: | 13° | |
|---|---|---|
| h(m) | E(lx) | D(m) |
| 1 | 7027 | 0.22 |
| 2 | 1757 | 0.44 |
| 3 | 781 | 0.67 |
| 4 | 439 | 0.89 |
| 5 | 281 | 1.11 |

## Ingraze Fixed Frame + Asymmetric Louvre L 900



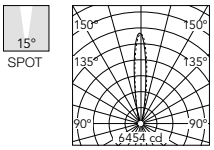

High-power LED source included and rear lenses equipped with anti-glare asymmetrical diffuser grille. 1-10V or DALI on-off and dimmable 220-240V power supply. Compulsory installation box to be ordered separately. Pre-wired with $H_2O$ Stop quick connectors, plug/socket included. ACT (Anti-Corrosion Treatment) upon request.

Fuente LED de alta potencia incluida y ópticas retrocedidas equipadas con difusor de rejilla asimétrico antideslumbrante. Alimentación 220-240 V on-off y regulable 1-10V y DALI. La caja de montaje para la instalación obligatoria debe pedirse por separado. Precableado con conectores rápidos $H_2O$ Stop toma/enchufe incluidos. ACT (Anti Corrosion Treatment) bajo petición.

### Optic Spot 15º

**Power Led:** 26W - LED 2795 lm ≠ OUTPUT 715 lm - 2200K/CRI 80 / 26W - LED 2898 lm ≠ OUTPUT 742 lm - 2700K/CRI 80 / 26W - LED 3105 lm ≠ OUTPUT 795 lm - 3000K/CRI 80 / 26W - LED 3209 lm ≠ OUTPUT 821 lm - 4000K/CRI 80

| 2200K | 2700K | 3000K | 4000K |
|---|---|---|---|
| Non Dimmable | Non Dimmable | Non Dimmable | Non Dimmable |
| ○ F017C1QA006 | ○ F017C2QA006 | ○ F017C3QA006 | ○ F017C4QA006 |
| ● F017C1QA033 | ● F017C2QA033 | ● F017C3QA033 | ● F017C4QA033 |
| 1-10V | 1-10V | 1-10V | 1-10V |
| ○ F017C1QB006 | ○ F017C2QB006 | ○ F017C3QB006 | ○ F017C4QB006 |
| ● F017C1QB033 | ● F017C2QB033 | ● F017C3QB033 | ● F017C4QB033 |
| Dali | Dali | Dali | Dali |
| ○ F017C1QD006 | ○ F017C2QD006 | ○ F017C3QD006 | ○ F017C4QD006 |
| ● F017C1QD033 | ● F017C2QD033 | ● F017C3QD033 | ● F017C4QD033 |



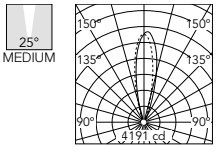

@3000K

| Beam Angle: | 15° | |
|---|---|---|
| h(m) | E(lx) | D(m) |
| 1 | 6451 | 0.25 |
| 2 | 1613 | 0.51 |
| 3 | 717 | 0.76 |
| 4 | 403 | 1.02 |
| 5 | 258 | 1.27 |

### Optic Medium 25º

**Power Led:** 26W - LED 2795 lm ≠ OUTPUT 757 lm - 2200K/CRI 80 / 26W - LED 2898 lm ≠ OUTPUT 785 lm - 2700K/CRI 80 / 26W - LED 3105 lm ≠ OUTPUT 841 lm - 3000K/CRI 80 / 26W - LED 3209 lm ≠ OUTPUT 869 lm - 4000K/CRI 80

| 2200K | 2700K | 3000K | 4000K |
|---|---|---|---|
| Non Dimmable | Non Dimmable | Non Dimmable | Non Dimmable |
| ○ F017C1RA006 | ○ F017C2RA006 | ○ F017C3RA006 | ○ F017C4RA006 |
| ● F017C1RA033 | ● F017C2RA033 | ● F017C3RA033 | ● F017C4RA033 |
| 1-10V | 1-10V | 1-10V | 1-10V |
| ○ F017C1RB006 | ○ F017C2RB006 | ○ F017C3RB006 | ○ F017C4RB006 |
| ● F017C1RB033 | ● F017C2RB033 | ● F017C3RB033 | ● F017C4RB033 |
| Dali | Dali | Dali | Dali |
| ○ F017C1RD006 | ○ F017C2RD006 | ○ F017C3RD006 | ○ F017C4RD006 |
| ● F017C1RD033 | ● F017C2RD033 | ● F017C3RD033 | ● F017C4RD033 |



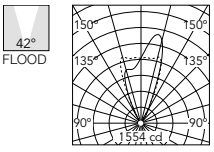

@3000K

| Beam Angle: | 25° | |
|---|---|---|
| h(m) | E(lx) | D(m) |
| 1 | 4183 | 0.45 |
| 2 | 1046 | 0.89 |
| 3 | 465 | 1.34 |
| 4 | 261 | 1.78 |
| 5 | 167 | 2.23 |

### Optic Flood 42º

**Power Led:** 26W - LED 2795 lm ≠ OUTPUT 606 lm - 2200K/CRI 80 / 26W - LED 2898 lm ≠ OUTPUT 628 lm - 2700K/CRI 80 / 26W - LED 3105 lm ≠ OUTPUT 673 lm - 3000K/CRI 80 / 26W - LED 3209 lm ≠ OUTPUT 696 lm - 4000K/CRI 80

| 2200K | 2700K | 3000K | 4000K |
|---|---|---|---|
| Non Dimmable | Non Dimmable | Non Dimmable | Non Dimmable |
| ○ F017C1SA006 | ○ F017C2SA006 | ○ F017C3SA006 | ○ F017C4SA006 |
| ● F017C1SA033 | ● F017C2SA033 | ● F017C3SA033 | ● F017C4SA033 |
| 1-10V | 1-10V | 1-10V | 1-10V |
| ○ F017C1SB006 | ○ F017C2SB006 | ○ F017C3SB006 | ○ F017C4SB006 |
| ● F017C1SB033 | ● F017C2SB033 | ● F017C3SB033 | ● F017C4SB033 |
| Dali | Dali | Dali | Dali |
| ○ F017C1SD006 | ○ F017C2SD006 | ○ F017C3SD006 | ○ F017C4SD006 |
| ● F017C1SD033 | ● F017C2SD033 | ● F017C3SD033 | ● F017C4SD033 |



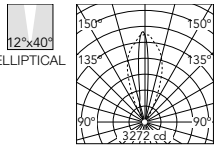

@3000K

| Beam Angle: | 42° | |
|---|---|---|
| h(m) | E(lx) | D(m) |
| 1 | 1474 | 0.76 |
| 2 | 368 | 1.51 |
| 3 | 164 | 2.27 |
| 4 | 92 | 3.03 |
| 5 | 59 | 3.78 |

### Optic Elliptical 12º x 40º

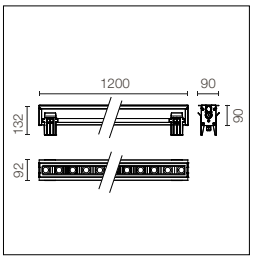
**Power Led:** 26W - LED 2795 lm ≠ OUTPUT 580 lm - 2200K/CRI 80 / 26W - LED 2898 lm ≠ OUTPUT 602 lm - 2700K/CRI 80 / 26W - LED 3105 lm ≠ OUTPUT 645 lm - 3000K/CRI 80 / 26W - LED 3209 lm ≠ OUTPUT 666 lm - 4000K/CRI 80

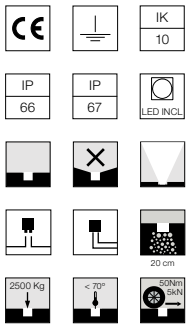
| 2200K | 2700K | 3000K | 4000K |
|---|---|---|---|
| Non Dimmable | Non Dimmable | Non Dimmable | Non Dimmable |
| ○ F017C1TA006 | ○ F017C2TA006 | ○ F017C3TA006 | ○ F017C4TA006 |
| ● F017C1TA033 | ● F017C2TA033 | ● F017C3TA033 | ● F017C4TA033 |
| 1-10V | 1-10V | 1-10V | 1-10V |
| ○ F017C1TB006 | ○ F017C2TB006 | ○ F017C3TB006 | ○ F017C4TB006 |
| ● F017C1TB033 | ● F017C2TB033 | ● F017C3TB033 | ● F017C4TB033 |
| Dali | Dali | Dali | Dali |
| ○ F017C1TD006 | ○ F017C2TD006 | ○ F017C3TD006 | ○ F017C4TD006 |
| ● F017C1TD033 | ● F017C2TD033 | ● F017C3TD033 | ● F017C4TD033 |




@3000K

| Beam Angle: | 12° | |
|---|---|---|
| h(m) | E(lx) | D(m) |
| 1 | 3271 | 0.21 |
| 2 | 818 | 0.42 |
| 3 | 363 | 0.62 |
| 4 | 204 | 0.83 |
| 5 | 131 | 1.04 |



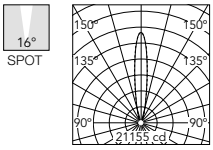

High-power LED source included and rear lenses. 1-10V or DALI on-off and dimmable 220-240V power supply.
Compulsory installation box to be ordered separately.
Pre-wired with $H_2O$ Stop quick connectors, plug/socket included.
ACT (Anti-Corrosion Treatment) upon request.

Fuente LED de alta potencia incluida y ópticas retrocedidas.
Alimentación 220-240 V on-off y regulable 1-10V y DALI.
La caja de montaje para la instalación obligatoria debe pedirse por separado.
Precableado con conectores rápidos $H_2O$ Stop toma/enchufe incluidos.
ACT (Anti Corrosion Treatment) bajo petición.

### Optic Spot 16º

**Power Led:** 33,5W - LED 3726 lm ≠ OUTPUT 2736 lm - 2200K/CRI 80 / 33,5W - LED 3864 lm ≠ OUTPUT 2837 lm - 2700K/CRI 80 / 33,5W - LED 4140 lm ≠ OUTPUT 3040 lm - 3000K/CRI 80 / 33,5W - LED 4278 lm ≠ OUTPUT 3141 lm - 4000K/CRI 80

| 2200K | 2700K | 3000K | 4000K |
|---|---|---|---|
| Non Dimmable | Non Dimmable | Non Dimmable | Non Dimmable |
| ● F017D1AA006 | ● F017D2AA006 | ● F017D3AA006 | ● F017D4AA006 |
| ● F017D1AA033 | ● F017D2AA033 | ● F017D3AA033 | ● F017D4AA033 |
| 1-10V | 1-10V | 1-10V | 1-10V |
| ● F017D1AB006 | ● F017D2AB006 | ● F017D3AB006 | ● F017D4AB006 |
| ● F017D1AB033 | ● F017D2AB033 | ● F017D3AB033 | ● F017D4AB033 |
| Dali | Dali | Dali | Dali |
| ● F017D1AD006 | ● F017D2AD006 | ● F017D3AD006 | ● F017D4AD006 |
| ● F017D1AD033 | ● F017D2AD033 | ● F017D3AD033 | ● F017D4AD033 |




@3000K

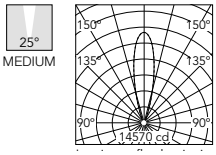
Beam Angle: 16°

| h(m) | E(lx) | D(m) |
|---|---|---|
| 1 | 21155 | 0.27 |
| 2 | 5289 | 0.55 |
| 3 | 2351 | 0.82 |
| 4 | 1322 | 1.09 |
| 5 | 846 | 1.37 |

### Optic Medium 25º

**Power Led:** 33,5W - LED 3726 lm ≠ OUTPUT 2945 lm - 2200K/CRI 80 / 33,5W - LED 3864 lm ≠ OUTPUT 3054 lm - 2700K/CRI 80 / 33,5W - LED 4140 lm ≠ OUTPUT 3272 lm - 3000K/CRI 80 / 33,5W - LED 4278 lm ≠ OUTPUT 3381 lm - 4000K/CRI 80

| 2200K | 2700K | 3000K | 4000K |
|---|---|---|---|
| Non Dimmable | Non Dimmable | Non Dimmable | Non Dimmable |
| ● F017D1BA006 | ● F017D2BA006 | ● F017D3BA006 | ● F017D4BA006 |
| ● F017D1BA033 | ● F017D2BA033 | ● F017D3BA033 | ● F017D4BA033 |
| 1-10V | 1-10V | 1-10V | 1-10V |
| ● F017D1BB006 | ● F017D2BB006 | ● F017D3BB006 | ● F017D4BB006 |
| ● F017D1BB033 | ● F017D2BB033 | ● F017D3BB033 | ● F017D4BB033 |
| Dali | Dali | Dali | Dali |
| ● F017D1BD006 | ● F017D2BD006 | ● F017D3BD006 | ● F017D4BD006 |
| ● F017D1BD033 | ● F017D2BD033 | ● F017D3BD033 | ● F017D4BD033 |




@3000K

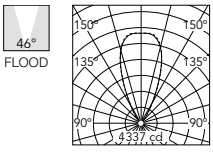
Beam Angle: 25°

| h(m) | E(lx) | D(m) |
|---|---|---|
| 1 | 14570 | 0.44 |
| 2 | 3643 | 0.88 |
| 3 | 1619 | 1.32 |
| 4 | 911 | 1.76 |
| 5 | 583 | 2.20 |

### Optic Flood 46º

**Power Led:** 33,5W - LED 3726 lm ≠ OUTPUT 2565 lm - 2200K/CRI 80 / 33,5W - LED 3864 lm ≠ OUTPUT 2660 lm - 2700K/CRI 80 / 33,5W - LED 4140 lm ≠ OUTPUT 2850 lm - 3000K/CRI 80 / 33,5W - LED 4278 lm ≠ OUTPUT 2945 lm - 4000K/CRI 80

| 2200K | 2700K | 3000K | 4000K |
|---|---|---|---|
| Non Dimmable | Non Dimmable | Non Dimmable | Non Dimmable |
| ● F017D1CA006 | ● F017D2CA006 | ● F017D3CA006 | ● F017D4CA006 |
| ● F017D1CA033 | ● F017D2CA033 | ● F017D3CA033 | ● F017D4CA033 |
| 1-10V | 1-10V | 1-10V | 1-10V |
| ● F017D1CB006 | ● F017D2CB006 | ● F017D3CB006 | ● F017D4CB006 |
| ● F017D1CB033 | ● F017D2CB033 | ● F017D3CB033 | ● F017D4CB033 |
| Dali | Dali | Dali | Dali |
| ● F017D1CD006 | ● F017D2CD006 | ● F017D3CD006 | ● F017D4CD006 |
| ● F017D1CD033 | ● F017D2CD033 | ● F017D3CD033 | ● F017D4CD033 |




@3000K

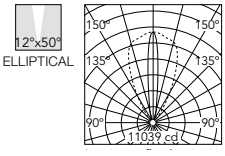
Beam Angle: 46°

| h(m) | E(lx) | D(m) |
|---|---|---|
| 1 | 4316 | 0.85 |
| 2 | 1079 | 1.71 |
| 3 | 480 | 2.56 |
| 4 | 270 | 3.42 |
| 5 | 173 | 4.27 |

### Optic Elliptical 12º x 50º

**Power Led:** 33,5W - LED 3726 lm ≠ OUTPUT 2572 lm - 2200K/CRI 80 / 33,5W - LED 3864 lm ≠ OUTPUT 2668 lm - 2700K/CRI 80 / 33,5W - LED 4140 lm ≠ OUTPUT 2858 lm - 3000K/CRI 80 / 33,5W - LED 4278 lm ≠ OUTPUT 2953 lm - 4000K/CRI 80

| 2200K | 2700K | 3000K | 4000K |
|---|---|---|---|
| Non Dimmable | Non Dimmable | Non Dimmable | Non Dimmable |
| ● F017D1DA006 | ● F017D2DA006 | ● F017D3DA006 | ● F017D4DA006 |
| ● F017D1DA033 | ● F017D2DA033 | ● F017D3DA033 | ● F017D4DA033 |
| 1-10V | 1-10V | 1-10V | 1-10V |
| ● F017D1DB006 | ● F017D2DB006 | ● F017D3DB006 | ● F017D4DB006 |
| ● F017D1DB033 | ● F017D2DB033 | ● F017D3DB033 | ● F017D4DB033 |
| Dali | Dali | Dali | Dali |
| ● F017D1DD006 | ● F017D2DD006 | ● F017D3DD006 | ● F017D4DD006 |
| ● F017D1DD033 | ● F017D2DD033 | ● F017D3DD033 | ● F017D4DD033 |

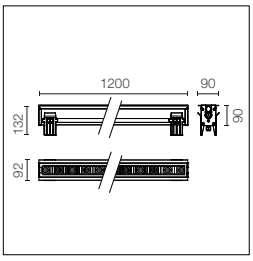


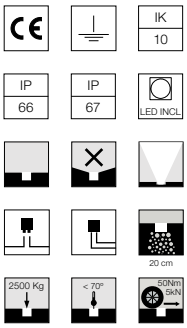

@3000K

Beam Angle: 12°

| h(m) | E(lx) | D(m) |
|---|---|---|
| 1 | 11037 | 0.22 |
| 2 | 2759 | 0.44 |
| 3 | 1226 | 0.66 |
| 4 | 690 | 0.87 |
| 5 | 441 | 1.09 |

## Ingraze Fixed Frame + Linear Louvre L 1200



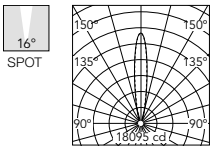

High-power LED source included and rear lenses equipped with anti-glare diffuser grille. 1-10V or DALI on-off and dimmable 220-240V power supply.
Compulsory installation box to be ordered separately.
Pre-wired with $H_2O$ Stop quick connectors, plug/socket included.
ACT (Anti-Corrosion Treatment) upon request.

Fuente LED de alta potencia incluida y ópticas retrocedidas equipadas con difusor de rejilla antideslumbrante. Alimentación 220-240 V on-off y regulable 1-10V y DALI.
La caja de montaje para la instalación obligatoria debe pedirse por separado.
Precableado con conectores rápidos $H_2O$ Stop toma/enchufe incluidos.
ACT (Anti Corrosion Treatment) bajo petición.

### Optic Spot 16º

**Power Led:** 33,5W - LED 3726 lm ≠ OUTPUT 2006 lm - 2200K/CRI 80 / 33,5W - LED 3864 lm ≠ OUTPUT 2080 lm - 2700K/CRI 80 / 33,5W - LED 4140 lm ≠ OUTPUT 2229 lm - 3000K/CRI 80 / 33,5W - LED 4278 lm ≠ OUTPUT 2303 lm - 4000K/CRI 80

| 2200K | 2700K | 3000K | 4000K |
|---|---|---|---|
| Non Dimmable | Non Dimmable | Non Dimmable | Non Dimmable |
| ● F017D1HA006 | ● F017D2HA006 | ● F017D3HA006 | ● F017D4HA006 |
| ● F017D1HA033 | ● F017D2HA033 | ● F017D3HA033 | ● F017D4HA033 |
| 1-10V | 1-10V | 1-10V | 1-10V |
| ● F017D1HB006 | ● F017D2HB006 | ● F017D3HB006 | ● F017D4HB006 |
| ● F017D1HB033 | ● F017D2HB033 | ● F017D3HB033 | ● F017D4HB033 |
| Dali | Dali | Dali | Dali |
| ● F017D1HD006 | ● F017D2HD006 | ● F017D3HD006 | ● F017D4HD006 |
| ● F017D1HD033 | ● F017D2HD033 | ● F017D3HD033 | ● F017D4HD033 |




Beam Angle: 16°

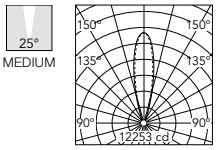
| h(m) | E(lx) | D(m) |
|---|---|---|
| 1 | 18095 | 0.28 |
| 2 | 4524 | 0.56 |
| 3 | 2011 | 0.83 |
| 4 | 1131 | 1.11 |
| 5 | 724 | 1.39 |

@3000K

### Optic Medium 25º

**Power Led:** 33,5W - LED 3726 lm ≠ OUTPUT 2125 lm - 2200K/CRI 80 / 33,5W - LED 3864 lm ≠ OUTPUT 2203 lm - 2700K/CRI 80 / 33,5W - LED 4140 lm ≠ OUTPUT 2361 lm - 3000K/CRI 80 / 33,5W - LED 4278 lm ≠ OUTPUT 2439 lm - 4000K/CRI 80

| 2200K | 2700K | 3000K | 4000K |
|---|---|---|---|
| Non Dimmable | Non Dimmable | Non Dimmable | Non Dimmable |
| ● F017D1JA006 | ● F017D2JA006 | ● F017D3JA006 | ● F017D4JA006 |
| ● F017D1JA033 | ● F017D2JA033 | ● F017D3JA033 | ● F017D4JA033 |
| 1-10V | 1-10V | 1-10V | 1-10V |
| ● F017D1JB006 | ● F017D2JB006 | ● F017D3JB006 | ● F017D4JB006 |
| ● F017D1JB033 | ● F017D2JB033 | ● F017D3JB033 | ● F017D4JB033 |
| Dali | Dali | Dali | Dali |
| ● F017D1JD006 | ● F017D2JD006 | ● F017D3JD006 | ● F017D4JD006 |
| ● F017D1JD033 | ● F017D2JD033 | ● F017D3JD033 | ● F017D4JD033 |




Beam Angle: 25°

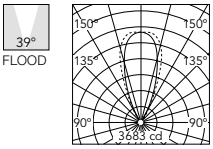
| h(m) | E(lx) | D(m) |
|---|---|---|
| 1 | 12253 | 0.44 |
| 2 | 3063 | 0.87 |
| 3 | 1361 | 1.31 |
| 4 | 766 | 1.74 |
| 5 | 490 | 2.18 |

@3000K

### Optic Flood 39º

**Power Led:** 33,5W - LED 3726 lm ≠ OUTPUT 1643 lm - 2200K/CRI 80 / 33,5W - LED 3864 lm ≠ OUTPUT 1704 lm - 2700K/CRI 80 / 33,5W - LED 4140 lm ≠ OUTPUT 1826 lm - 3000K/CRI 80 / 33,5W - LED 4278 lm ≠ OUTPUT 1887 lm - 4000K/CRI 80

| 2200K | 2700K | 3000K | 4000K |
|---|---|---|---|
| Non Dimmable | Non Dimmable | Non Dimmable | Non Dimmable |
| ● F017D1KA006 | ● F017D2KA006 | ● F017D3KA006 | ● F017D4KA006 |
| ● F017D1KA033 | ● F017D2KA033 | ● F017D3KA033 | ● F017D4KA033 |
| 1-10V | 1-10V | 1-10V | 1-10V |
| ● F017D1KB006 | ● F017D2KB006 | ● F017D3KB006 | ● F017D4KB006 |
| ● F017D1KB033 | ● F017D2KB033 | ● F017D3KB033 | ● F017D4KB033 |
| Dali | Dali | Dali | Dali |
| ● F017D1KD006 | ● F017D2KD006 | ● F017D3KD006 | ● F017D4KD006 |
| ● F017D1KD033 | ● F017D2KD033 | ● F017D3KD033 | ● F017D4KD033 |




Beam Angle: 39°

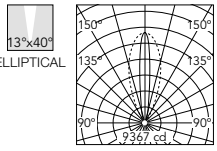
| h(m) | E(lx) | D(m) |
|---|---|---|
| 1 | 3672 | 0.71 |
| 2 | 918 | 1.43 |
| 3 | 408 | 2.14 |
| 4 | 230 | 2.86 |
| 5 | 147 | 3.57 |

@3000K

### Optic Elliptical 13º x 40º

**Power Led:** 33,5W - LED 3726 lm ≠ OUTPUT 1639 lm - 2200K/CRI 80 / 33,5W - LED 3864 lm ≠ OUTPUT 1700 lm - 2700K/CRI 80 / 33,5W - LED 4140 lm ≠ OUTPUT 1821 lm - 3000K/CRI 80 / 33,5W - LED 4278 lm ≠ OUTPUT 1882 lm - 4000K/CRI 80

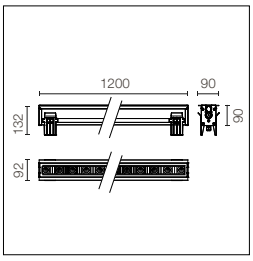
| 2200K | 2700K | 3000K | 4000K |
|---|---|---|---|
| Non Dimmable | Non Dimmable | Non Dimmable | Non Dimmable |
| ● F017D1LA006 | ● F017D2LA006 | ● F017D3LA006 | ● F017D4LA006 |
| ● F017D1LA033 | ● F017D2LA033 | ● F017D3LA033 | ● F017D4LA033 |
| 1-10V | 1-10V | 1-10V | 1-10V |
| ● F017D1LB006 | ● F017D2LB006 | ● F017D3LB006 | ● F017D4LB006 |
| ● F017D1LB033 | ● F017D2LB033 | ● F017D3LB033 | ● F017D4LB033 |
| Dali | Dali | Dali | Dali |
| ● F017D1LD006 | ● F017D2LD006 | ● F017D3LD006 | ● F017D4LD006 |
| ● F017D1LD033 | ● F017D2LD033 | ● F017D3LD033 | ● F017D4LD033 |

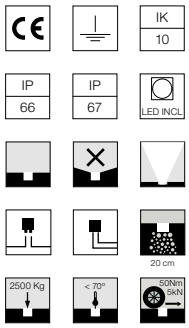



Beam Angle: 13°

| h(m) | E(lx) | D(m) |
|---|---|---|
| 1 | 9367 | 0.22 |
| 2 | 2342 | 0.44 |
| 3 | 1041 | 0.67 |
| 4 | 585 | 0.89 |
| 5 | 375 | 1.11 |

@3000K




High-power LED source included and rear lenses equipped with anti-glare asymmetrical diffuser grille.
1-10V or DALI on-off and dimmable 220-240V power supply.
Compulsory installation box to be ordered separately.
Pre-wired with $H_2O$ Stop quick connectors, plug/socket included.
ACT (Anti-Corrosion Treatment) upon request.

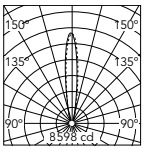
Fuente LED de alta potencia incluida y ópticas retrocedidas equipadas con difusor de rejilla asimétrico antideslumbrante.
Alimentación 220-240 V on-off y regulable 1-10V y DALI.
La caja de montaje para la instalación obligatoria debe pedirse por separado.
Precableado con conectores rápidos $H_2O$ Stop toma/enchufe incluidos.
ACT (Anti Corrosion Treatment) bajo petición.

### Optic Spot 15º

**Power Led:** 33,5W - LED 3726 lm ≠ OUTPUT 954 lm - 2200K/CRI 80 / 33,5W - LED 3864 lm ≠ OUTPUT 989 lm - 2700K/CRI 80 / 33,5W - LED 4140 lm ≠ OUTPUT 1059 lm - 3000K/CRI 80 / 33,5W - LED 4278 lm ≠ OUTPUT 1095 lm - 4000K/CRI 80

| 2200K | 2700K | 3000K | 4000K |
|---|---|---|---|
| Non Dimmable | Non Dimmable | Non Dimmable | Non Dimmable |
| ● F017D1QA006 | ● F017D2QA006 | ● F017D3QA006 | ● F017D4QA006 |
| ● F017D1QA033 | ● F017D2QA033 | ● F017D3QA033 | ● F017D4QA033 |
| 1-10V | 1-10V | 1-10V | 1-10V |
| ● F017D1QB006 | ● F017D2QB006 | ● F017D3QB006 | ● F017D4QB006 |
| ● F017D1QB033 | ● F017D2QB033 | ● F017D3QB033 | ● F017D4QB033 |
| Dali | Dali | Dali | Dali |
| ● F017D1QD006 | ● F017D2QD006 | ● F017D3QD006 | ● F017D4QD006 |
| ● F017D1QD033 | ● F017D2QD033 | ● F017D3QD033 | ● F017D4QD033 |

15°
SPOT




@3000K

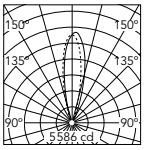
| Beam Angle: | 15° | |
|---|---|---|
| h(m) | E(lx) | D(m) |
| 1 | 8593 | 0.25 |
| 2 | 2148 | 0.51 |
| 3 | 955 | 0.76 |
| 4 | 537 | 1.02 |
| 5 | 344 | 1.27 |

### Optic Medium 25º

**Power Led:** 33,5W - LED 3726 lm ≠ OUTPUT 1009 lm - 2200K/CRI 80 / 33,5W - LED 3864 lm ≠ OUTPUT 1046 lm - 2700K/CRI 80 / 33,5W - LED 4140 lm ≠ OUTPUT 1121 lm - 3000K/CRI 80 / 33,5W - LED 4278 lm ≠ OUTPUT 1158 lm - 4000K/CRI 80

| 2200K | 2700K | 3000K | 4000K |
|---|---|---|---|
| Non Dimmable | Non Dimmable | Non Dimmable | Non Dimmable |
| ● F017D1RA006 | ● F017D2RA006 | ● F017D3RA006 | ● F017D4RA006 |
| ● F017D1RA033 | ● F017D2RA033 | ● F017D3RA033 | ● F017D4RA033 |
| 1-10V | 1-10V | 1-10V | 1-10V |
| ● F017D1RB006 | ● F017D2RB006 | ● F017D3RB006 | ● F017D4RB006 |
| ● F017D1RB033 | ● F017D2RB033 | ● F017D3RB033 | ● F017D4RB033 |
| Dali | Dali | Dali | Dali |
| ● F017D1RD006 | ● F017D2RD006 | ● F017D3RD006 | ● F017D4RD006 |
| ● F017D1RD033 | ● F017D2RD033 | ● F017D3RD033 | ● F017D4RD033 |

25°
MEDIUM




@3000K

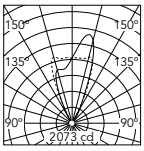
| Beam Angle: | 25° | |
|---|---|---|
| h(m) | E(lx) | D(m) |
| 1 | 5576 | 0.45 |
| 2 | 1394 | 0.89 |
| 3 | 620 | 1.34 |
| 4 | 349 | 1.78 |
| 5 | 223 | 2.23 |

### Optic Flood 42º

**Power Led:** 33,5W - LED 3726 lm ≠ OUTPUT 808 lm - 2200K/CRI 80 / 33,5W - LED 3864 lm ≠ OUTPUT 838 lm - 2700K/CRI 80 / 33,5W - LED 4140 lm ≠ OUTPUT 898 lm - 3000K/CRI 80 / 33,5W - LED 4278 lm ≠ OUTPUT 928 lm - 4000K/CRI 80

| 2200K | 2700K | 3000K | 4000K |
|---|---|---|---|
| Non Dimmable | Non Dimmable | Non Dimmable | Non Dimmable |
| ● F017D1SA006 | ● F017D2SA006 | ● F017D3SA006 | ● F017D4SA006 |
| ● F017D1SA033 | ● F017D2SA033 | ● F017D3SA033 | ● F017D4SA033 |
| 1-10V | 1-10V | 1-10V | 1-10V |
| ● F017D1SB006 | ● F017D2SB006 | ● F017D3SB006 | ● F017D4SB006 |
| ● F017D1SB033 | ● F017D2SB033 | ● F017D3SB033 | ● F017D4SB033 |
| Dali | Dali | Dali | Dali |
| ● F017D1SD006 | ● F017D2SD006 | ● F017D3SD006 | ● F017D4SD006 |
| ● F017D1SD033 | ● F017D2SD033 | ● F017D3SD033 | ● F017D4SD033 |

42°
FLOOD




@3000K

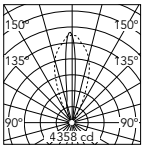
| Beam Angle: | 42° | |
|---|---|---|
| h(m) | E(lx) | D(m) |
| 1 | 1967 | 0.76 |
| 2 | 492 | 1.51 |
| 3 | 219 | 2.27 |
| 4 | 123 | 3.03 |
| 5 | 79 | 3.78 |

### Optic Elliptical 12º x 40º

**Power Led:** 33,5W - LED 3726 lm ≠ OUTPUT 773 lm - 2200K/CRI 80 / 33,5W - LED 3864 lm ≠ OUTPUT 802 lm - 2700K/CRI 80 / 33,5W - LED 4140 lm ≠ OUTPUT 859 lm - 3000K/CRI 80 / 33,5W - LED 4278 lm ≠ OUTPUT 888 lm - 4000K/CRI 80

| 2200K | 2700K | 3000K | 4000K |
|---|---|---|---|
| Non Dimmable | Non Dimmable | Non Dimmable | Non Dimmable |
| ● F017D1TA006 | ● F017D2TA006 | ● F017D3TA006 | ● F017D4TA006 |
| ● F017D1TA033 | ● F017D2TA033 | ● F017D3TA033 | ● F017D4TA033 |
| 1-10V | 1-10V | 1-10V | 1-10V |
| ● F017D1TB006 | ● F017D2TB006 | ● F017D3TB006 | ● F017D4TB006 |
| ● F017D1TB033 | ● F017D2TB033 | ● F017D3TB033 | ● F017D4TB033 |
| Dali | Dali | Dali | Dali |
| ● F017D1TD006 | ● F017D2TD006 | ● F017D3TD006 | ● F017D4TD006 |
| ● F017D1TD033 | ● F017D2TD033 | ● F017D3TD033 | ● F017D4TD033 |

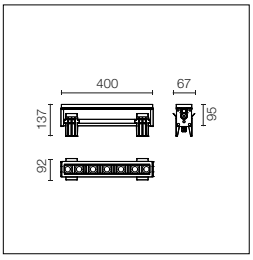
12°x40°
ELLIPTICAL

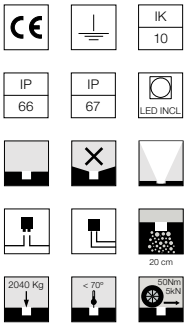



@3000K

| Beam Angle: | 12° | |
|---|---|---|
| h(m) | E(lx) | D(m) |
| 1 | 4356 | 0.21 |
| 2 | 1089 | 0.42 |
| 3 | 484 | 0.62 |
| 4 | 272 | 0.83 |
| 5 | 174 | 1.04 |

# Ingraze Fixed Frameless L 400



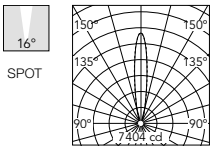

High-power LED source included and rear lenses. 1-10V or DALI on-off and dimmable 220-240V power supply.
Compulsory installation box to be ordered separately.
Pre-wired with $H_2O$ Stop quick connectors, plug/socket included.
ACT (Anti-Corrosion Treatment) upon request.

Fuente LED de alta potencia incluida y ópticas retrocedidas. Alimentación 220-240 V on-off y regulable 1-10V y DALI.
La caja de montaje para la instalación obligatoria debe pedirse por separado.
Precableado con conectores rápidos $H_2O$ Stop toma/enchufe incluidos.
ACT (Anti Corrosion Treatment) bajo petición.

### Optic Spot 16º

**Power Led:** 12,5W - LED 1304 lm ≠ OUTPUT 958 lm - 2200K/CRI 80 / 12,5W - LED 1352 lm ≠ OUTPUT 993 lm - 2700K/CRI 80 / 12,5W - LED 1449 lm ≠ OUTPUT 1064 lm - 3000K/CRI 80 / 12,5W - LED 1497 lm ≠ OUTPUT 1100 lm - 4000K/CRI 80

| 2200K | 2700K | 3000K | 4000K |
|---|---|---|---|
| Non Dimmable | Non Dimmable | Non Dimmable | Non Dimmable |
| ○ F017J1AA006 | ○ F017J2AA006 | ○ F017J3AA006 | ○ F017J4AA006 |
| ● F017J1AA033 | ● F017J2AA033 | ● F017J3AA033 | ● F017J4AA033 |
| 1-10V | 1-10V | 1-10V | 1-10V |
| ○ F017J1AB006 | ○ F017J2AB006 | ○ F017J3AB006 | ○ F017J4AB006 |
| ● F017J1AB033 | ● F017J2AB033 | ● F017J3AB033 | ● F017J4AB033 |
| Dali | Dali | Dali | Dali |
| ○ F017J1AD006 | ○ F017J2AD006 | ○ F017J3AD006 | ○ F017J4AD006 |
| ● F017J1AD033 | ● F017J2AD033 | ● F017J3AD033 | ● F017J4AD033 |



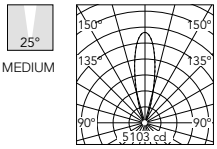

@3000K

| Beam Angle: | 16° | |
|---|---|---|
| h(m) | E(lx) | D(m) |
| 1 | 7404 | 0.27 |
| 2 | 1851 | 0.55 |
| 3 | 823 | 0.82 |
| 4 | 463 | 1.09 |
| 5 | 296 | 1.37 |

### Optic Medium 25º

**Power Led:** 12,5W - LED 1304 lm ≠ OUTPUT 1031 lm - 2200K/CRI 80 / 12,5W - LED 1352 lm ≠ OUTPUT 1069 lm - 2700K/CRI 80 / 12,5W - LED 1449 lm ≠ OUTPUT 1146 lm - 3000K/CRI 80 / 12,5W - LED 1497 lm ≠ OUTPUT 1184 lm - 4000K/CRI 80

| 2200K | 2700K | 3000K | 4000K |
|---|---|---|---|
| Non Dimmable | Non Dimmable | Non Dimmable | Non Dimmable |
| ○ F017J1BA006 | ○ F017J2BA006 | ○ F017J3BA006 | ○ F017J4BA006 |
| ● F017J1BA033 | ● F017J2BA033 | ● F017J3BA033 | ● F017J4BA033 |
| 1-10V | 1-10V | 1-10V | 1-10V |
| ○ F017J1BB006 | ○ F017J2BB006 | ○ F017J3BB006 | ○ F017J4BB006 |
| ● F017J1BB033 | ● F017J2BB033 | ● F017J3BB033 | ● F017J4BB033 |
| Dali | Dali | Dali | Dali |
| ○ F017J1BD006 | ○ F017J2BD006 | ○ F017J3BD006 | ○ F017J4BD006 |
| ● F017J1BD033 | ● F017J2BD033 | ● F017J3BD033 | ● F017J4BD033 |



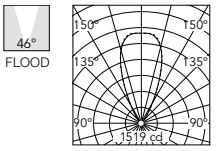

@3000K

| Beam Angle: | 25° | |
|---|---|---|
| h(m) | E(lx) | D(m) |
| 1 | 5103 | 0.44 |
| 2 | 1276 | 0.88 |
| 3 | 567 | 1.32 |
| 4 | 319 | 1.76 |
| 5 | 204 | 2.20 |

### Optic Flood 46º

**Power Led:** 12,5W - LED 1304 lm ≠ OUTPUT 898 lm - 2200K/CRI 80 / 12,5W - LED 1352 lm ≠ OUTPUT 931 lm - 2700K/CRI 80 / 12,5W - LED 1449 lm ≠ OUTPUT 998 lm - 3000K/CRI 80 / 12,5W - LED 1497 lm ≠ OUTPUT 1031 lm - 4000K/CRI 80

| 2200K | 2700K | 3000K | 4000K |
|---|---|---|---|
| Non Dimmable | Non Dimmable | Non Dimmable | Non Dimmable |
| ○ F017J1CA006 | ○ F017J2CA006 | ○ F017J3CA006 | ○ F017J4CA006 |
| ● F017J1CA033 | ● F017J2CA033 | ● F017J3CA033 | ● F017J4CA033 |
| 1-10V | 1-10V | 1-10V | 1-10V |
| ○ F017J1CB006 | ○ F017J2CB006 | ○ F017J3CB006 | ○ F017J4CB006 |
| ● F017J1CB033 | ● F017J2CB033 | ● F017J3CB033 | ● F017J4CB033 |
| Dali | Dali | Dali | Dali |
| ○ F017J1CD006 | ○ F017J2CD006 | ○ F017J3CD006 | ○ F017J4CD006 |
| ● F017J1CD033 | ● F017J2CD033 | ● F017J3CD033 | ● F017J4CD033 |



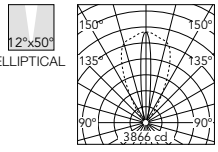

@3000K

| Beam Angle: | 46° | |
|---|---|---|
| h(m) | E(lx) | D(m) |
| 1 | 1511 | 0.85 |
| 2 | 378 | 1.71 |
| 3 | 168 | 2.56 |
| 4 | 94 | 3.42 |
| 5 | 60 | 4.27 |

### Optic Elliptical 12º x 50º

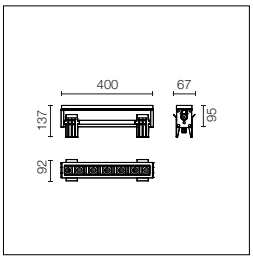
**Power Led:** 12,5W - LED 1304 lm ≠ OUTPUT 901 lm - 2200K/CRI 80 / 12,5W - LED 1352 lm ≠ OUTPUT 934 lm - 2700K/CRI 80 / 12,5W - LED 1449 lm ≠ OUTPUT 1001 lm - 3000K/CRI 80 / 12,5W - LED 1497 lm ≠ OUTPUT 1034 lm - 4000K/CRI 80

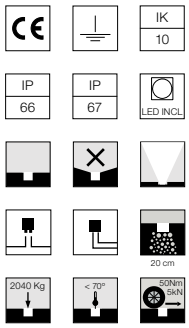
| 2200K | 2700K | 3000K | 4000K |
|---|---|---|---|
| Non Dimmable | Non Dimmable | Non Dimmable | Non Dimmable |
| ○ F017J1DA006 | ○ F017J2DA006 | ○ F017J3DA006 | ○ F017J4DA006 |
| ● F017J1DA033 | ● F017J2DA033 | ● F017J3DA033 | ● F017J4DA033 |
| 1-10V | 1-10V | 1-10V | 1-10V |
| ○ F017J1DB006 | ○ F017J2DB006 | ○ F017J3DB006 | ○ F017J4DB006 |
| ● F017J1DB033 | ● F017J2DB033 | ● F017J3DB033 | ● F017J4DB033 |
| Dali | Dali | Dali | Dali |
| ○ F017J1DD006 | ○ F017J2DD006 | ○ F017J3DD006 | ○ F017J4DD006 |
| ● F017J1DD033 | ● F017J2DD033 | ● F017J3DD033 | ● F017J4DD033 |




@3000K

| Beam Angle: | 12° | |
|---|---|---|
| h(m) | E(lx) | D(m) |
| 1 | 3866 | 0.22 |
| 2 | 966 | 0.44 |
| 3 | 430 | 0.66 |
| 4 | 242 | 0.87 |
| 5 | 155 | 1.09 |



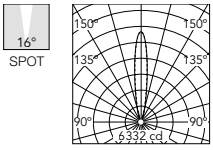

High-power LED source included and rear lenses equipped with anti-glare diffuser grille. 1-10V or DALI on-off and dimmable 220-240V power supply.
Compulsory installation box to be ordered separately.
Pre-wired with $H_2O$ Stop quick connectors, plug/socket included.
ACT (Anti-Corrosion Treatment) upon request.

Fuente LED de alta potencia incluida y ópticas retrocedidas equipadas con difusor de rejilla antideslumbrante. Alimentación 220-240 V on-off y regulable 1-10V y DALI.
La caja de montaje para la instalación obligatoria debe pedirse por separado.
Precableado con conectores rápidos $H_2O$ Stop toma/enchufe incluidos.
ACT (Anti Corrosion Treatment) bajo petición.

### Optic Spot 16º

**Power Led:** 12,5W - LED 1304 lm ≠ OUTPUT 702 lm - 2200K/CRI 80 / 12,5W - LED 1352 lm ≠ OUTPUT 728 lm - 2700K/CRI 80 / 12,5W - LED 1449 lm ≠ OUTPUT 780 lm - 3000K/CRI 80 / 12,5W - LED 1497 lm ≠ OUTPUT 806 lm - 4000K/CRI 80

| 2200K | 2700K | 3000K | 4000K |
|---|---|---|---|
| Non Dimmable | Non Dimmable | Non Dimmable | Non Dimmable |
| ● F017J1HA006 | ● F017J2HA006 | ● F017J3HA006 | ● F017J4HA006 |
| ● F017J1HA033 | ● F017J2HA033 | ● F017J3HA033 | ● F017J4HA033 |
| 1-10V | 1-10V | 1-10V | 1-10V |
| ● F017J1HB006 | ● F017J2HB006 | ● F017J3HB006 | ● F017J4HB006 |
| ● F017J1HB033 | ● F017J2HB033 | ● F017J3HB033 | ● F017J4HB033 |
| Dali | Dali | Dali | Dali |
| ● F017J1HD006 | ● F017J2HD006 | ● F017J3HD006 | ● F017J4HD006 |
| ● F017J1HD033 | ● F017J2HD033 | ● F017J3HD033 | ● F017J4HD033 |



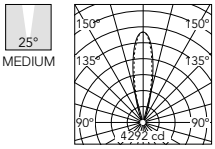

@3000K

| Beam Angle: | 16° | |
|---|---|---|
| h(m) | E(lx) | D(m) |
| 1 | 6332 | 0.28 |
| 2 | 1583 | 0.56 |
| 3 | 704 | 0.83 |
| 4 | 396 | 1.11 |
| 5 | 253 | 1.39 |

### Optic Medium 25º

**Power Led:** 12,5W - LED 1304 lm ≠ OUTPUT 744 lm - 2200K/CRI 80 / 12,5W - LED 1352 lm ≠ OUTPUT 772 lm - 2700K/CRI 80 / 12,5W - LED 1449 lm ≠ OUTPUT 827 lm - 3000K/CRI 80 / 12,5W - LED 1497 lm ≠ OUTPUT 854 lm - 4000K/CRI 80

| 2200K | 2700K | 3000K | 4000K |
|---|---|---|---|
| Non Dimmable | Non Dimmable | Non Dimmable | Non Dimmable |
| ● F017J1JA006 | ● F017J2JA006 | ● F017J3JA006 | ● F017J4JA006 |
| ● F017J1JA033 | ● F017J2JA033 | ● F017J3JA033 | ● F017J4JA033 |
| 1-10V | 1-10V | 1-10V | 1-10V |
| ● F017J1JB006 | ● F017J2JB006 | ● F017J3JB006 | ● F017J4JB006 |
| ● F017J1JB033 | ● F017J2JB033 | ● F017J3JB033 | ● F017J4JB033 |
| Dali | Dali | Dali | Dali |
| ● F017J1JD006 | ● F017J2JD006 | ● F017J3JD006 | ● F017J4JD006 |
| ● F017J1JD033 | ● F017J2JD033 | ● F017J3JD033 | ● F017J4JD033 |



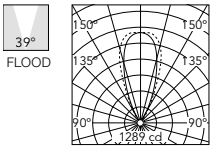

@3000K

| Beam Angle: | 25° | |
|---|---|---|
| h(m) | E(lx) | D(m) |
| 1 | 4292 | 0.44 |
| 2 | 1073 | 0.87 |
| 3 | 477 | 1.31 |
| 4 | 268 | 1.74 |
| 5 | 172 | 2.18 |

### Optic Flood 39º

**Power Led:** 12,5W - LED 1304 lm ≠ OUTPUT 576 lm - 2200K/CRI 80 / 12,5W - LED 1352 lm ≠ OUTPUT 597 lm - 2700K/CRI 80 / 12,5W - LED 1449 lm ≠ OUTPUT 639 lm - 3000K/CRI 80 / 12,5W - LED 1497 lm ≠ OUTPUT 661 lm - 4000K/CRI 80

| 2200K | 2700K | 3000K | 4000K |
|---|---|---|---|
| Non Dimmable | Non Dimmable | Non Dimmable | Non Dimmable |
| ● F017J1KA006 | ● F017J2KA006 | ● F017J3KA006 | ● F017J4KA006 |
| ● F017J1KA033 | ● F017J2KA033 | ● F017J3KA033 | ● F017J4KA033 |
| 1-10V | 1-10V | 1-10V | 1-10V |
| ● F017J1KB006 | ● F017J2KB006 | ● F017J3KB006 | ● F017J4KB006 |
| ● F017J1KB033 | ● F017J2KB033 | ● F017J3KB033 | ● F017J4KB033 |
| Dali | Dali | Dali | Dali |
| ● F017J1KD006 | ● F017J2KD006 | ● F017J3KD006 | ● F017J4KD006 |
| ● F017J1KD033 | ● F017J2KD033 | ● F017J3KD033 | ● F017J4KD033 |



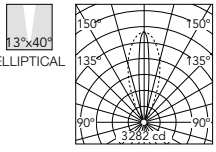

@3000K

| Beam Angle: | 39° | |
|---|---|---|
| h(m) | E(lx) | D(m) |
| 1 | 1285 | 0.71 |
| 2 | 321 | 1.43 |
| 3 | 143 | 2.14 |
| 4 | 80 | 2.86 |
| 5 | 51 | 3.57 |

### Optic Elliptical 13º x 40º

**Power Led:** 12,5W - LED 1304 lm ≠ OUTPUT 574 lm - 2200K/CRI 80 / 12,5W - LED 1352 lm ≠ OUTPUT 595 lm - 2700K/CRI 80 / 12,5W - LED 1449 lm ≠ OUTPUT 638 lm - 3000K/CRI 80 / 12,5W - LED 1497 lm ≠ OUTPUT 659 lm - 4000K/CRI 80

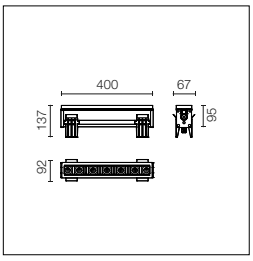
| 2200K | 2700K | 3000K | 4000K |
|---|---|---|---|
| Non Dimmable | Non Dimmable | Non Dimmable | Non Dimmable |
| ● F017J1LA006 | ● F017J2LA006 | ● F017J3LA006 | ● F017J4LA006 |
| ● F017J1LA033 | ● F017J2LA033 | ● F017J3LA033 | ● F017J4LA033 |
| 1-10V | 1-10V | 1-10V | 1-10V |
| ● F017J1LB006 | ● F017J2LB006 | ● F017J3LB006 | ● F017J4LB006 |
| ● F017J1LB033 | ● F017J2LB033 | ● F017J3LB033 | ● F017J4LB033 |
| Dali | Dali | Dali | Dali |
| ● F017J1LD006 | ● F017J2LD006 | ● F017J3LD006 | ● F017J4LD006 |
| ● F017J1LD033 | ● F017J2LD033 | ● F017J3LD033 | ● F017J4LD033 |

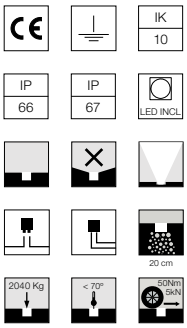



@3000K

| Beam Angle: | 13° | |
|---|---|---|
| h(m) | E(lx) | D(m) |
| 1 | 3282 | 0.22 |
| 2 | 820 | 0.44 |
| 3 | 365 | 0.67 |
| 4 | 205 | 0.89 |
| 5 | 131 | 1.11 |

## Ingraze Fixed Frameless + Asymmetric Louvre L 400




High-power LED source included and rear lenses equipped with anti-glare asymmetrical diffuser grille. 1-10V or DALI on-off and dimmable 220-240V power supply. Compulsory installation box to be ordered separately. Pre-wired with $H_2O$ Stop quick connectors, plug/socket included. ACT (Anti-Corrosion Treatment) upon request.

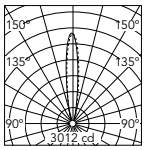
Fuente LED de alta potencia incluida y ópticas retrocedidas equipadas con difusor de rejilla asimétrico antideslumbrante. Alimentación 220-240 V on-off y regulable 1-10V y DALI. La caja de montaje para la instalación obligatoria debe pedirse por separado. Precableado con conectores rápidos $H_2O$ Stop toma/enchufe incluidos. ACT (Anti Corrosion Treatment) bajo petición.

### Optic Spot 15º

**Power Led:** 12,5W - LED 1304 lm ≠ OUTPUT 334 lm - 2200K/CRI 80 / 12,5W - LED 1352 lm ≠ OUTPUT 346 lm - 2700K/CRI 80 / 12,5W - LED 1449 lm ≠ OUTPUT 371 lm - 3000K/CRI 80 / 12,5W - LED 1497 lm ≠ OUTPUT 383 lm - 4000K/CRI 80

| 2200K | 2700K | 3000K | 4000K |
|---|---|---|---|
| Non Dimmable | Non Dimmable | Non Dimmable | Non Dimmable |
| ○ F017J1QA006 | ○ F017J2QA006 | ○ F017J3QA006 | ○ F017J4QA006 |
| ● F017J1QA033 | ● F017J2QA033 | ● F017J3QA033 | ● F017J4QA033 |
| 1-10V | 1-10V | 1-10V | 1-10V |
| ○ F017J1QB006 | ○ F017J2QB006 | ○ F017J3QB006 | ○ F017J4QB006 |
| ● F017J1QB033 | ● F017J2QB033 | ● F017J3QB033 | ● F017J4QB033 |
| Dali | Dali | Dali | Dali |
| ○ F017J1QD006 | ○ F017J2QD006 | ○ F017J3QD006 | ○ F017J4QD006 |
| ● F017J1QD033 | ● F017J2QD033 | ● F017J3QD033 | ● F017J4QD033 |

SPOT




@3000K

Beam Angle: 15°

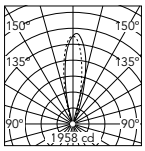
| h(m) | E(lx) | D(m) |
|---|---|---|
| 1 | 3010 | 0.25 |
| 2 | 753 | 0.51 |
| 3 | 334 | 0.76 |
| 4 | 188 | 1.02 |
| 5 | 120 | 1.27 |

### Optic Medium 25º

**Power Led:** 12,5W - LED 1304 lm ≠ OUTPUT 353 lm - 2200K/CRI 80 / 12,5W - LED 1352 lm ≠ OUTPUT 367 lm - 2700K/CRI 80 / 12,5W - LED 1449 lm ≠ OUTPUT 393 lm - 3000K/CRI 80 / 12,5W - LED 1497 lm ≠ OUTPUT 406 lm - 4000K/CRI 80

| 2200K | 2700K | 3000K | 4000K |
|---|---|---|---|
| Non Dimmable | Non Dimmable | Non Dimmable | Non Dimmable |
| ○ F017J1RA006 | ○ F017J2RA006 | ○ F017J3RA006 | ○ F017J4RA006 |
| ● F017J1RA033 | ● F017J2RA033 | ● F017J3RA033 | ● F017J4RA033 |
| 1-10V | 1-10V | 1-10V | 1-10V |
| ○ F017J1RB006 | ○ F017J2RB006 | ○ F017J3RB006 | ○ F017J4RB006 |
| ● F017J1RB033 | ● F017J2RB033 | ● F017J3RB033 | ● F017J4RB033 |
| Dali | Dali | Dali | Dali |
| ○ F017J1RD006 | ○ F017J2RD006 | ○ F017J3RD006 | ○ F017J4RD006 |
| ● F017J1RD033 | ● F017J2RD033 | ● F017J3RD033 | ● F017J4RD033 |

MEDIUM




@3000K

Beam Angle: 25°

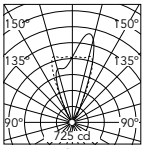
| h(m) | E(lx) | D(m) |
|---|---|---|
| 1 | 1955 | 0.45 |
| 2 | 489 | 0.89 |
| 3 | 217 | 1.34 |
| 4 | 122 | 1.78 |
| 5 | 78 | 2.23 |

### Optic Flood 42º

**Power Led:** 12,5W - LED 1304 lm ≠ OUTPUT 283 lm - 2200K/CRI 80 / 12,5W - LED 1352 lm ≠ OUTPUT 294 lm - 2700K/CRI 80 / 12,5W - LED 1449 lm ≠ OUTPUT 314 lm - 3000K/CRI 80 / 12,5W - LED 1497 lm ≠ OUTPUT 325 lm - 4000K/CRI 80

| 2200K | 2700K | 3000K | 4000K |
|---|---|---|---|
| Non Dimmable | Non Dimmable | Non Dimmable | Non Dimmable |
| ○ F017J1SA006 | ○ F017J2SA006 | ○ F017J3SA006 | ○ F017J4SA006 |
| ● F017J1SA033 | ● F017J2SA033 | ● F017J3SA033 | ● F017J4SA033 |
| 1-10V | 1-10V | 1-10V | 1-10V |
| ○ F017J1SB006 | ○ F017J2SB006 | ○ F017J3SB006 | ○ F017J4SB006 |
| ● F017J1SB033 | ● F017J2SB033 | ● F017J3SB033 | ● F017J4SB033 |
| Dali | Dali | Dali | Dali |
| ○ F017J1SD006 | ○ F017J2SD006 | ○ F017J3SD006 | ○ F017J4SD006 |
| ● F017J1SD033 | ● F017J2SD033 | ● F017J3SD033 | ● F017J4SD033 |

FLOOD




@3000K

Beam Angle: 42°

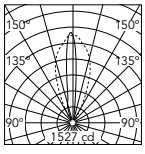
| h(m) | E(lx) | D(m) |
|---|---|---|
| 1 | 688 | 0.76 |
| 2 | 172 | 1.51 |
| 3 | 76 | 2.27 |
| 4 | 43 | 3.03 |
| 5 | 28 | 3.78 |

### Optic Elliptical 12º x 40º

**Power Led:** 12,5W - LED 1304 lm ≠ OUTPUT 271 lm - 2200K/CRI 80 / 12,5W - LED 1352 lm ≠ OUTPUT 281 lm - 2700K/CRI 80 / 12,5W - LED 1449 lm ≠ OUTPUT 301 lm - 3000K/CRI 80 / 12,5W - LED 1497 lm ≠ OUTPUT 311 lm - 4000K/CRI 80

| 2200K | 2700K | 3000K | 4000K |
|---|---|---|---|
| Non Dimmable | Non Dimmable | Non Dimmable | Non Dimmable |
| ○ F017J1TA006 | ○ F017J2TA006 | ○ F017J3TA006 | ○ F017J4TA006 |
| ● F017J1TA033 | ● F017J2TA033 | ● F017J3TA033 | ● F017J4TA033 |
| 1-10V | 1-10V | 1-10V | 1-10V |
| ○ F017J1TB006 | ○ F017J2TB006 | ○ F017J3TB006 | ○ F017J4TB006 |
| ● F017J1TB033 | ● F017J2TB033 | ● F017J3TB033 | ● F017J4TB033 |
| Dali | Dali | Dali | Dali |
| ○ F017J1TD006 | ○ F017J2TD006 | ○ F017J3TD006 | ○ F017J4TD006 |
| ● F017J1TD033 | ● F017J2TD033 | ● F017J3TD033 | ● F017J4TD033 |

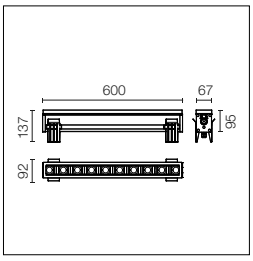
ELLIPTICAL

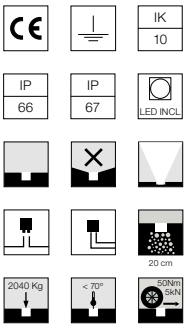



@3000K

Beam Angle: 12°

| h(m) | E(lx) | D(m) |
|---|---|---|
| 1 | 1526 | 0.21 |
| 2 | 382 | 0.42 |
| 3 | 170 | 0.62 |
| 4 | 95 | 0.83 |
| 5 | 61 | 1.04 |



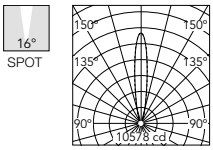

High-power LED source included and rear lenses. 1-10V or DALI on-off and dimmable 220-240V power supply.
Compulsory installation box to be ordered separately.
Pre-wired with $H_2O$ Stop quick connectors, plug/socket included.
ACT (Anti-Corrosion Treatment) upon request.

Fuente LED de alta potencia incluida y ópticas retrocedidas.
Alimentación 220-240 V on-off y regulable 1-10V y DALI.
La caja de montaje para la instalación obligatoria debe pedirse por separado.
Precableado con conectores rápidos $H_2O$ Stop toma/enchufe incluidos.
ACT (Anti Corrosion Treatment) bajo petición.

### Optic Spot 16º

**Power Led:** 17W - LED 1863 lm ≠ OUTPUT 1368 lm - 2200K/CRI 80 / 17W - LED 1932 lm ≠ OUTPUT 1419 lm - 2700K/CRI 80 / 17W - LED 2070 lm ≠ OUTPUT 1520 lm - 3000K/CRI 80 / 17W - LED 2139 lm ≠ OUTPUT 1571 lm - 4000K/CRI 80

| 2200K | 2700K | 3000K | 4000K |
|---|---|---|---|
| Non Dimmable | Non Dimmable | Non Dimmable | Non Dimmable |
| ○ F017K1AA006 | ○ F017K2AA006 | ○ F017K3AA006 | ○ F017K4AA006 |
| ● F017K1AA033 | ● F017K2AA033 | ● F017K3AA033 | ● F017K4AA033 |
| 1-10V | 1-10V | 1-10V | 1-10V |
| ○ F017K1AB006 | ○ F017K2AB006 | ○ F017K3AB006 | ○ F017K4AB006 |
| ● F017K1AB033 | ● F017K2AB033 | ● F017K3AB033 | ● F017K4AB033 |
| Dali | Dali | Dali | Dali |
| ○ F017K1AD006 | ○ F017K2AD006 | ○ F017K3AD006 | ○ F017K4AD006 |
| ● F017K1AD033 | ● F017K2AD033 | ● F017K3AD033 | ● F017K4AD033 |



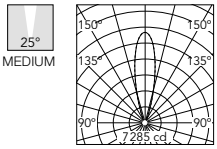

@3000K

| Beam Angle: | 16° | |
|---|---|---|
| h(m) | E(lx) | D(m) |
| 1 | 10578 | 0.27 |
| 2 | 2644 | 0.55 |
| 3 | 1175 | 0.82 |
| 4 | 661 | 1.09 |
| 5 | 423 | 1.37 |

### Optic Medium 25º

**Power Led:** 17W - LED 1863 lm ≠ OUTPUT 1473 lm - 2200K/CRI 80 / 17W - LED 1932 lm ≠ OUTPUT 1527 lm - 2700K/CRI 80 / 17W - LED 2070 lm ≠ OUTPUT 1636 lm - 3000K/CRI 80 / 17W - LED 2139 lm ≠ OUTPUT 1691 lm - 4000K/CRI 80

| 2200K | 2700K | 3000K | 4000K |
|---|---|---|---|
| Non Dimmable | Non Dimmable | Non Dimmable | Non Dimmable |
| ○ F017K1BA006 | ○ F017K2BA006 | ○ F017K3BA006 | ○ F017K4BA006 |
| ● F017K1BA033 | ● F017K2BA033 | ● F017K3BA033 | ● F017K4BA033 |
| 1-10V | 1-10V | 1-10V | 1-10V |
| ○ F017K1BB006 | ○ F017K2BB006 | ○ F017K3BB006 | ○ F017K4BB006 |
| ● F017K1BB033 | ● F017K2BB033 | ● F017K3BB033 | ● F017K4BB033 |
| Dali | Dali | Dali | Dali |
| ○ F017K1BD006 | ○ F017K2BD006 | ○ F017K3BD006 | ○ F017K4BD006 |
| ● F017K1BD033 | ● F017K2BD033 | ● F017K3BD033 | ● F017K4BD033 |



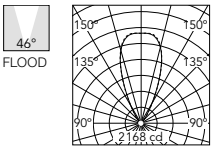

@3000K

| Beam Angle: | 25° | |
|---|---|---|
| h(m) | E(lx) | D(m) |
| 1 | 7285 | 0.44 |
| 2 | 1821 | 0.88 |
| 3 | 809 | 1.32 |
| 4 | 455 | 1.76 |
| 5 | 291 | 2.20 |

### Optic Flood 46º

**Power Led:** 17W - LED 1863 lm ≠ OUTPUT 1283 lm - 2200K/CRI 80 / 17W - LED 1932 lm ≠ OUTPUT 1330 lm - 2700K/CRI 80 / 17W - LED 2070 lm ≠ OUTPUT 1425 lm - 3000K/CRI 80 / 17W - LED 2139 lm ≠ OUTPUT 1473 lm - 4000K/CRI 80

| 2200K | 2700K | 3000K | 4000K |
|---|---|---|---|
| Non Dimmable | Non Dimmable | Non Dimmable | Non Dimmable |
| ○ F017K1CA006 | ○ F017K2CA006 | ○ F017K3CA006 | ○ F017K4CA006 |
| ● F017K1CA033 | ● F017K2CA033 | ● F017K3CA033 | ● F017K4CA033 |
| 1-10V | 1-10V | 1-10V | 1-10V |
| ○ F017K1CB006 | ○ F017K2CB006 | ○ F017K3CB006 | ○ F017K4CB006 |
| ● F017K1CB033 | ● F017K2CB033 | ● F017K3CB033 | ● F017K4CB033 |
| Dali | Dali | Dali | Dali |
| ○ F017K1CD006 | ○ F017K2CD006 | ○ F017K3CD006 | ○ F017K4CD006 |
| ● F017K1CD033 | ● F017K2CD033 | ● F017K3CD033 | ● F017K4CD033 |



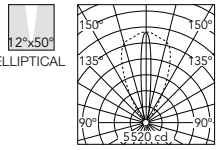

@3000K

| Beam Angle: | 46° | |
|---|---|---|
| h(m) | E(lx) | D(m) |
| 1 | 2158 | 0.85 |
| 2 | 539 | 1.71 |
| 3 | 240 | 2.56 |
| 4 | 135 | 3.42 |
| 5 | 86 | 4.27 |

### Optic Elliptical 12º x 50º

**Power Led:** 17W - LED 1863 lm ≠ OUTPUT 1286 lm - 2200K/CRI 80 / 17W - LED 1932 lm ≠ OUTPUT 1334 lm - 2700K/CRI 80 / 17W - LED 2070 lm ≠ OUTPUT 1429 lm - 3000K/CRI 80 / 17W - LED 2139 lm ≠ OUTPUT 1477 lm - 4000K/CRI 80

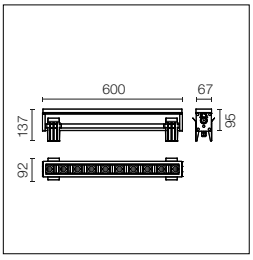
| 2200K | 2700K | 3000K | 4000K |
|---|---|---|---|
| Non Dimmable | Non Dimmable | Non Dimmable | Non Dimmable |
| ○ F017K1DA006 | ○ F017K2DA006 | ○ F017K3DA006 | ○ F017K4DA006 |
| ● F017K1DA033 | ● F017K2DA033 | ● F017K3DA033 | ● F017K4DA033 |
| 1-10V | 1-10V | 1-10V | 1-10V |
| ○ F017K1DB006 | ○ F017K2DB006 | ○ F017K3DB006 | ○ F017K4DB006 |
| ● F017K1DB033 | ● F017K2DB033 | ● F017K3DB033 | ● F017K4DB033 |
| Dali | Dali | Dali | Dali |
| ○ F017K1DD006 | ○ F017K2DD006 | ○ F017K3DD006 | ○ F017K4DD006 |
| ● F017K1DD033 | ● F017K2DD033 | ● F017K3DD033 | ● F017K4DD033 |

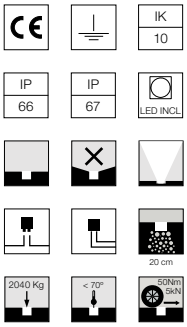



@3000K

| Beam Angle: | 12° | |
|---|---|---|
| h(m) | E(lx) | D(m) |
| 1 | 5519 | 0.22 |
| 2 | 1380 | 0.44 |
| 3 | 613 | 0.66 |
| 4 | 345 | 0.87 |
| 5 | 221 | 1.09 |

## Ingraze Fixed Frameless + Linear Louvre L 600



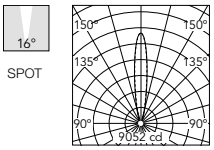

High-power LED source included and rear lenses equipped with anti-glare diffuser grille. 1-10V or DALI on-off and dimmable 220-240V power supply.
Compulsory installation box to be ordered separately.
Pre-wired with $H_2O$ Stop quick connectors, plug/socket included.
ACT (Anti-Corrosion Treatment) upon request.

Fuente LED de alta potencia incluida y ópticas retrocedidas equipadas con difusor de rejilla antideslumbrante. Alimentación 220-240 V on-off y regulable 1-10V y DALI.
La caja de montaje para la instalación obligatoria debe pedirse por separado.
Precableado con conectores rápidos $H_2O$ Stop toma/enchufe incluidos.
ACT (Anti Corrosion Treatment) bajo petición.

### Optic Spot 16º

**Power Led:** 17W - LED 1863 lm ≠ OUTPUT 1003 lm - 2200K/CRI 80 / 17W - LED 1932 lm ≠ OUTPUT 1040 lm - 2700K/CRI 80 / 17W - LED 2070 lm ≠ OUTPUT 1115 lm - 3000K/CRI 80 / 17W - LED 2139 lm ≠ OUTPUT 1152 lm - 4000K/CRI 80

| 2200K | 2700K | 3000K | 4000K |
|---|---|---|---|
| Non Dimmable | Non Dimmable | Non Dimmable | Non Dimmable |
| ○ F017K1HA006 | ○ F017K2HA006 | ○ F017K3HA006 | ○ F017K4HA006 |
| ● F017K1HA033 | ● F017K2HA033 | ● F017K3HA033 | ● F017K4HA033 |
| 1-10V | 1-10V | 1-10V | 1-10V |
| ○ F017K1HB006 | ○ F017K2HB006 | ○ F017K3HB006 | ○ F017K4HB006 |
| ● F017K1HB033 | ● F017K2HB033 | ● F017K3HB033 | ● F017K4HB033 |
| Dali | Dali | Dali | Dali |
| ○ F017K1HD006 | ○ F017K2HD006 | ○ F017K3HD006 | ○ F017K4HD006 |
| ● F017K1HD033 | ● F017K2HD033 | ● F017K3HD033 | ● F017K4HD033 |



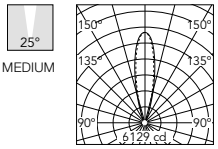

@3000K

| Beam Angle: | 16° | |
|---|---|---|
| h(m) | E(lx) | D(m) |
| 1 | 9052 | 0.28 |
| 2 | 2263 | 0.56 |
| 3 | 1006 | 0.83 |
| 4 | 566 | 1.11 |
| 5 | 362 | 1.39 |

### Optic Medium 25º

**Power Led:** 17W - LED 1863 lm ≠ OUTPUT 1063 lm - 2200K/CRI 80 / 17W - LED 1932 lm ≠ OUTPUT 1102 lm - 2700K/CRI 80 / 17W - LED 2070 lm ≠ OUTPUT 1181 lm - 3000K/CRI 80 / 17W - LED 2139 lm ≠ OUTPUT 1220 lm - 4000K/CRI 80

| 2200K | 2700K | 3000K | 4000K |
|---|---|---|---|
| Non Dimmable | Non Dimmable | Non Dimmable | Non Dimmable |
| ○ F017K1JA006 | ○ F017K2JA006 | ○ F017K3JA006 | ○ F017K4JA006 |
| ● F017K1JA033 | ● F017K2JA033 | ● F017K3JA033 | ● F017K4JA033 |
| 1-10V | 1-10V | 1-10V | 1-10V |
| ○ F017K1JB006 | ○ F017K2JB006 | ○ F017K3JB006 | ○ F017K4JB006 |
| ● F017K1JB033 | ● F017K2JB033 | ● F017K3JB033 | ● F017K4JB033 |
| Dali | Dali | Dali | Dali |
| ○ F017K1JD006 | ○ F017K2JD006 | ○ F017K3JD006 | ○ F017K4JD006 |
| ● F017K1JD033 | ● F017K2JD033 | ● F017K3JD033 | ● F017K4JD033 |



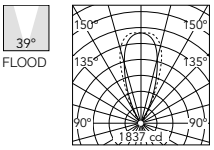

@3000K

| Beam Angle: | 25° | |
|---|---|---|
| h(m) | E(lx) | D(m) |
| 1 | 6129 | 0.44 |
| 2 | 1532 | 0.87 |
| 3 | 681 | 1.31 |
| 4 | 383 | 1.74 |
| 5 | 245 | 2.18 |

### Optic Flood 39º

**Power Led:** 17W - LED 1863 lm ≠ OUTPUT 820 lm - 2200K/CRI 80 / 17W - LED 1932 lm ≠ OUTPUT 850 lm - 2700K/CRI 80 / 17W - LED 2070 lm ≠ OUTPUT 911 lm - 3000K/CRI 80 / 17W - LED 2139 lm ≠ OUTPUT 944 lm - 4000K/CRI 80

| 2200K | 2700K | 3000K | 4000K |
|---|---|---|---|
| Non Dimmable | Non Dimmable | Non Dimmable | Non Dimmable |
| ○ F017K1KA006 | ○ F017K2KA006 | ○ F017K3KA006 | ○ F017K4KA006 |
| ● F017K1KA033 | ● F017K2KA033 | ● F017K3KA033 | ● F017K4KA033 |
| 1-10V | 1-10V | 1-10V | 1-10V |
| ○ F017K1KB006 | ○ F017K2KB006 | ○ F017K3KB006 | ○ F017K4KB006 |
| ● F017K1KB033 | ● F017K2KB033 | ● F017K3KB033 | ● F017K4KB033 |
| Dali | Dali | Dali | Dali |
| ○ F017K1KD006 | ○ F017K2KD006 | ○ F017K3KD006 | ○ F017K4KD006 |
| ● F017K1KD033 | ● F017K2KD033 | ● F017K3KD033 | ● F017K4KD033 |



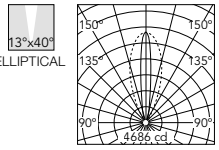

@3000K

| Beam Angle: | 39° | |
|---|---|---|
| h(m) | E(lx) | D(m) |
| 1 | 1832 | 0.71 |
| 2 | 458 | 1.43 |
| 3 | 204 | 2.14 |
| 4 | 115 | 2.86 |
| 5 | 73 | 3.57 |

### Optic Elliptical 13º x 40º

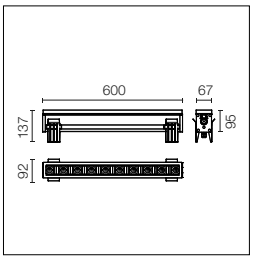
**Power Led:** 17W - LED 1863 lm ≠ OUTPUT 820 lm - 2200K/CRI 80 / 17W - LED 1932 lm ≠ OUTPUT 850 lm - 2700K/CRI 80 / 17W - LED 2070 lm ≠ OUTPUT 911 lm - 3000K/CRI 80 / 17W - LED 2139 lm ≠ OUTPUT 941 lm - 4000K/CRI 80

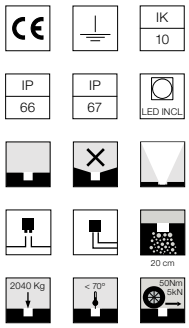
| 2200K | 2700K | 3000K | 4000K |
|---|---|---|---|
| Non Dimmable | Non Dimmable | Non Dimmable | Non Dimmable |
| ○ F017K1LA006 | ○ F017K2LA006 | ○ F017K3LA006 | ○ F017K4LA006 |
| ● F017K1LA033 | ● F017K2LA033 | ● F017K3LA033 | ● F017K4LA033 |
| 1-10V | 1-10V | 1-10V | 1-10V |
| ○ F017K1LB006 | ○ F017K2LB006 | ○ F017K3LB006 | ○ F017K4LB006 |
| ● F017K1LB033 | ● F017K2LB033 | ● F017K3LB033 | ● F017K4LB033 |
| Dali | Dali | Dali | Dali |
| ○ F017K1LD006 | ○ F017K2LD006 | ○ F017K3LD006 | ○ F017K4LD006 |
| ● F017K1LD033 | ● F017K2LD033 | ● F017K3LD033 | ● F017K4LD033 |




@3000K

| Beam Angle: | 13° | |
|---|---|---|
| h(m) | E(lx) | D(m) |
| 1 | 4686 | 0.22 |
| 2 | 1172 | 0.44 |
| 3 | 521 | 0.67 |
| 4 | 293 | 0.89 |
| 5 | 187 | 1.11 |




High-power LED source included and rear lenses equipped with anti-glare asymmetrical diffuser grille. 1-10V or DALI on-off and dimmable 220-240V power supply. Compulsory installation box to be ordered separately. Pre-wired with $H_2O$ Stop quick connectors, plug/socket included. ACT (Anti-Corrosion Treatment) upon request.

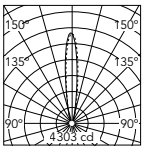
Fuente LED de alta potencia incluida y ópticas retrocedidas equipadas con difusor de rejilla asimétrico antideslumbrante. Alimentación 220-240 V on-off y regulable 1-10V y DALI. La caja de montaje para la instalación obligatoria debe pedirse por separado. Precableado con conectores rápidos $H_2O$ Stop toma/enchufe incluidos. ACT (Anti Corrosion Treatment) bajo petición.

### Optic Spot 15º

**Power Led:** 17W - LED 1863 lm ≠ OUTPUT 477 lm - 2200K/CRI 80 / 17W - LED 1932 lm ≠ OUTPUT 495 lm - 2700K/CRI 80 / 17W - LED 2070 lm ≠ OUTPUT 530 lm - 3000K/CRI 80 / 17W - LED 2139 lm ≠ OUTPUT 548 lm - 4000K/CRI 80

| 2200K | 2700K | 3000K | 4000K |
|---|---|---|---|
| Non Dimmable | Non Dimmable | Non Dimmable | Non Dimmable |
| ○ F017K1QA006 | ○ F017K2QA006 | ○ F017K3QA006 | ○ F017K4QA006 |
| ● F017K1QA033 | ● F017K2QA033 | ● F017K3QA033 | ● F017K4QA033 |
| 1-10V | 1-10V | 1-10V | 1-10V |
| ○ F017K1QB006 | ○ F017K2QB006 | ○ F017K3QB006 | ○ F017K4QB006 |
| ● F017K1QB033 | ● F017K2QB033 | ● F017K3QB033 | ● F017K4QB033 |
| Dali | Dali | Dali | Dali |
| ○ F017K1QD006 | ○ F017K2QD006 | ○ F017K3QD006 | ○ F017K4QD006 |
| ● F017K1QD033 | ● F017K2QD033 | ● F017K3QD033 | ● F017K4QD033 |

15°
SPOT




@3000K

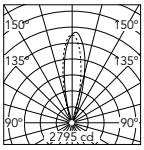
| Beam Angle: | 15° | |
|---|---|---|
| h(m) | E(lx) | D(m) |
| 1 | 4300 | 0.25 |
| 2 | 1075 | 0.51 |
| 3 | 478 | 0.76 |
| 4 | 269 | 1.02 |
| 5 | 172 | 1.27 |

### Optic Medium 25º

**Power Led:** 17W - LED 1863 lm ≠ OUTPUT 505 lm - 2200K/CRI 80 / 17W - LED 1932 lm ≠ OUTPUT 523 lm - 2700K/CRI 80 / 17W - LED 2070 lm ≠ OUTPUT 561 lm - 3000K/CRI 80 / 17W - LED 2139 lm ≠ OUTPUT 579 lm - 4000K/CRI 80

| 2200K | 2700K | 3000K | 4000K |
|---|---|---|---|
| Non Dimmable | Non Dimmable | Non Dimmable | Non Dimmable |
| ○ F017K1RA006 | ○ F017K2RA006 | ○ F017K3RA006 | ○ F017K4RA006 |
| ● F017K1RA033 | ● F017K2RA033 | ● F017K3RA033 | ● F017K4RA033 |
| 1-10V | 1-10V | 1-10V | 1-10V |
| ○ F017K1RB006 | ○ F017K2RB006 | ○ F017K3RB006 | ○ F017K4RB006 |
| ● F017K1RB033 | ● F017K2RB033 | ● F017K3RB033 | ● F017K4RB033 |
| Dali | Dali | Dali | Dali |
| ○ F017K1RD006 | ○ F017K2RD006 | ○ F017K3RD006 | ○ F017K4RD006 |
| ● F017K1RD033 | ● F017K2RD033 | ● F017K3RD033 | ● F017K4RD033 |

25°
MEDIUM




@3000K

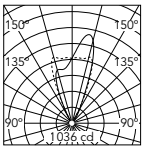
| Beam Angle: | 25° | |
|---|---|---|
| h(m) | E(lx) | D(m) |
| 1 | 2790 | 0.45 |
| 2 | 698 | 0.89 |
| 3 | 310 | 1.34 |
| 4 | 174 | 1.78 |
| 5 | 112 | 2.23 |

### Optic Flood 42º

**Power Led:** 17W - LED 1863 lm ≠ OUTPUT 404 lm - 2200K/CRI 80 / 17W - LED 1932 lm ≠ OUTPUT 419 lm - 2700K/CRI 80 / 17W - LED 2070 lm ≠ OUTPUT 449 lm - 3000K/CRI 80 / 17W - LED 2139 lm ≠ OUTPUT 464 lm - 4000K/CRI 80

| 2200K | 2700K | 3000K | 4000K |
|---|---|---|---|
| Non Dimmable | Non Dimmable | Non Dimmable | Non Dimmable |
| ○ F017K1SA006 | ○ F017K2SA006 | ○ F017K3SA006 | ○ F017K4SA006 |
| ● F017K1SA033 | ● F017K2SA033 | ● F017K3SA033 | ● F017K4SA033 |
| 1-10V | 1-10V | 1-10V | 1-10V |
| ○ F017K1SB006 | ○ F017K2SB006 | ○ F017K3SB006 | ○ F017K4SB006 |
| ● F017K1SB033 | ● F017K2SB033 | ● F017K3SB033 | ● F017K4SB033 |
| Dali | Dali | Dali | Dali |
| ○ F017K1SD006 | ○ F017K2SD006 | ○ F017K3SD006 | ○ F017K4SD006 |
| ● F017K1SD033 | ● F017K2SD033 | ● F017K3SD033 | ● F017K4SD033 |

42°
FLOOD




@3000K

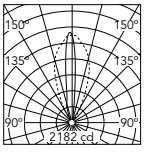
| Beam Angle: | 42° | |
|---|---|---|
| h(m) | E(lx) | D(m) |
| 1 | 983 | 0.76 |
| 2 | 246 | 1.51 |
| 3 | 109 | 2.27 |
| 4 | 61 | 3.03 |
| 5 | 39 | 3.78 |

### Optic Elliptical 12º x 40º

**Power Led:** 17W - LED 1863 lm ≠ OUTPUT 387 lm - 2200K/CRI 80 / 17W - LED 1932 lm ≠ OUTPUT 401 lm - 2700K/CRI 80 / 17W - LED 2070 lm ≠ OUTPUT 430 lm - 3000K/CRI 80 / 17W - LED 2139 lm ≠ OUTPUT 444 lm - 4000K/CRI 80

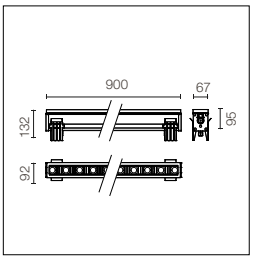
| 2200K | 2700K | 3000K | 4000K |
|---|---|---|---|
| Non Dimmable | Non Dimmable | Non Dimmable | Non Dimmable |
| ○ F017K1TA006 | ○ F017K2TA006 | ○ F017K3TA006 | ○ F017K4TA006 |
| ● F017K1TA033 | ● F017K2TA033 | ● F017K3TA033 | ● F017K4TA033 |
| 1-10V | 1-10V | 1-10V | 1-10V |
| ○ F017K1TB006 | ○ F017K2TB006 | ○ F017K3TB006 | ○ F017K4TB006 |
| ● F017K1TB033 | ● F017K2TB033 | ● F017K3TB033 | ● F017K4TB033 |
| Dali | Dali | Dali | Dali |
| ○ F017K1TD006 | ○ F017K2TD006 | ○ F017K3TD006 | ○ F017K4TD006 |
| ● F017K1TD033 | ● F017K2TD033 | ● F017K3TD033 | ● F017K4TD033 |

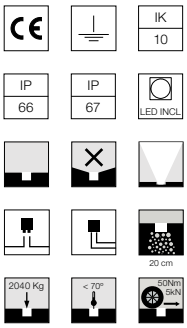
12°x40°
ELLIPTICAL




@3000K

| Beam Angle: | 12° | |
|---|---|---|
| h(m) | E(lx) | D(m) |
| 1 | 2181 | 0.21 |
| 2 | 545 | 0.42 |
| 3 | 242 | 0.62 |
| 4 | 136 | 0.83 |
| 5 | 87 | 1.04 |



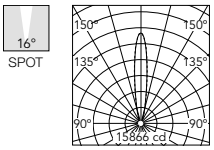

High-power LED source included and rear lenses. 1-10V or DALI on-off and dimmable 220-240V power supply.
Compulsory installation box to be ordered separately.
Pre-wired with $H_2O$ Stop quick connectors, plug/socket included.
ACT (Anti-Corrosion Treatment) upon request.

Fuente LED de alta potencia incluida y ópticas retrocedidas.
Alimentación 220-240 V on-off y regulable 1-10V y DALI.
La caja de montaje para la instalación obligatoria debe pedirse por separado.
Precableado con conectores rápidos $H_2O$ Stop toma/enchufe incluidos.
ACT (Anti Corrosion Treatment) bajo petición.

### Optic Spot 16º

**Power Led:** 26W - LED 2795 lm ≠ OUTPUT 2052 lm - 2200K/CRI 80 / 26W - LED 2898 lm ≠ OUTPUT 2128 lm - 2700K/CRI 80 / 26W - LED 3105 lm ≠ OUTPUT 2280 lm - 3000K/CRI 80 / 26W - LED 3209 lm ≠ OUTPUT 2536 lm - 4000K/CRI 80

| 2200K | 2700K | 3000K | 4000K |
|---|---|---|---|
| Non Dimmable | Non Dimmable | Non Dimmable | Non Dimmable |
| ○ F017L1AA006 | ○ F017L2AA006 | ○ F017L3AA006 | ○ F017L4AA006 |
| ● F017L1AA033 | ● F017L2AA033 | ● F017L3AA033 | ● F017L4AA033 |
| 1-10V | 1-10V | 1-10V | 1-10V |
| ○ F017L1AB006 | ○ F017L2AB006 | ○ F017L3AB006 | ○ F017L4AB006 |
| ● F017L1AB033 | ● F017L2AB033 | ● F017L3AB033 | ● F017L4AB033 |
| Dali | Dali | Dali | Dali |
| ○ F017L1AD006 | ○ F017L2AD006 | ○ F017L3AD006 | ○ F017L4AD006 |
| ● F017L1AD033 | ● F017L2AD033 | ● F017L3AD033 | ● F017L4AD033 |



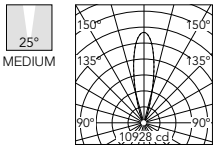

@3000K

| Beam Angle: | 16° | |
|---|---|---|
| h(m) | E(lx) | D(m) |
| 1 | 15866 | 0.27 |
| 2 | 3967 | 0.55 |
| 3 | 1763 | 0.82 |
| 4 | 992 | 1.09 |
| 5 | 635 | 1.37 |

### Optic Medium 25º

**Power Led:** 26W - LED 2795 lm ≠ OUTPUT 2209 lm - 2200K/CRI 80 / 26W - LED 2898 lm ≠ OUTPUT 2291 lm - 2700K/CRI 80 / 26W - LED 3105 lm ≠ OUTPUT 2454 lm - 3000K/CRI 80 / 26W - LED 3209 lm ≠ OUTPUT 2536 lm - 4000K/CRI 80

| 2200K | 2700K | 3000K | 4000K |
|---|---|---|---|
| Non Dimmable | Non Dimmable | Non Dimmable | Non Dimmable |
| ○ F017L1BA006 | ○ F017L2BA006 | ○ F017L3BA006 | ○ F017L4BA006 |
| ● F017L1BA033 | ● F017L2BA033 | ● F017L3BA033 | ● F017L4BA033 |
| 1-10V | 1-10V | 1-10V | 1-10V |
| ○ F017L1BB006 | ○ F017L2BB006 | ○ F017L3BB006 | ○ F017L4BB006 |
| ● F017L1BB033 | ● F017L2BB033 | ● F017L3BB033 | ● F017L4BB033 |
| Dali | Dali | Dali | Dali |
| ○ F017L1BD006 | ○ F017L2BD006 | ○ F017L3BD006 | ○ F017L4BD006 |
| ● F017L1BD033 | ● F017L2BD033 | ● F017L3BD033 | ● F017L4BD033 |



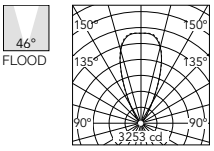

@3000K

| Beam Angle: | 25° | |
|---|---|---|
| h(m) | E(lx) | D(m) |
| 1 | 10928 | 0.44 |
| 2 | 2732 | 0.88 |
| 3 | 1214 | 1.32 |
| 4 | 683 | 1.76 |
| 5 | 437 | 2.20 |

### Optic Flood 46º

**Power Led:** 26W - LED 2795 lm ≠ OUTPUT 1924 lm - 2200K/CRI 80 / 26W - LED 2898 lm ≠ OUTPUT 1995 lm - 2700K/CRI 80 / 26W - LED 3105 lm ≠ OUTPUT 2138 lm - 3000K/CRI 80 / 26W - LED 3209 lm ≠ OUTPUT 2209 lm - 4000K/CRI 80

| 2200K | 2700K | 3000K | 4000K |
|---|---|---|---|
| Non Dimmable | Non Dimmable | Non Dimmable | Non Dimmable |
| ○ F017L1CA006 | ○ F017L2CA006 | ○ F017L3CA006 | ○ F017L4CA006 |
| ● F017L1CA033 | ● F017L2CA033 | ● F017L3CA033 | ● F017L4CA033 |
| 1-10V | 1-10V | 1-10V | 1-10V |
| ○ F017L1CB006 | ○ F017L2CB006 | ○ F017L3CB006 | ○ F017L4CB006 |
| ● F017L1CB033 | ● F017L2CB033 | ● F017L3CB033 | ● F017L4CB033 |
| Dali | Dali | Dali | Dali |
| ○ F017L1CD006 | ○ F017L2CD006 | ○ F017L3CD006 | ○ F017L4CD006 |
| ● F017L1CD033 | ● F017L2CD033 | ● F017L3CD033 | ● F017L4CD033 |



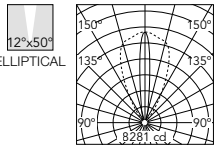

@3000K

| Beam Angle: | 46° | |
|---|---|---|
| h(m) | E(lx) | D(m) |
| 1 | 3238 | 0.85 |
| 2 | 809 | 1.71 |
| 3 | 360 | 2.56 |
| 4 | 202 | 3.42 |
| 5 | 130 | 4.27 |

### Optic Elliptical 12º x 50º

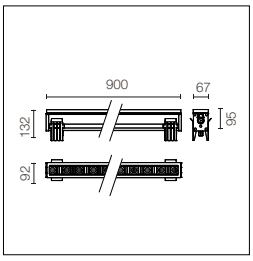
**Power Led:** 26W - LED 2795 lm ≠ OUTPUT 1929 lm - 2200K/CRI 80 / 26W - LED 2898 lm ≠ OUTPUT 2001 lm - 2700K/CRI 80 / 26W - LED 3105 lm ≠ OUTPUT 2144 lm - 3000K/CRI 80 / 26W - LED 3209 lm ≠ OUTPUT 2215 lm - 4000K/CRI 80

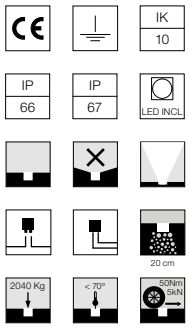
| 2200K | 2700K | 3000K | 4000K |
|---|---|---|---|
| Non Dimmable | Non Dimmable | Non Dimmable | Non Dimmable |
| ○ F017L1DA006 | ○ F017L2DA006 | ○ F017L3DA006 | ○ F017L4DA006 |
| ● F017L1DA033 | ● F017L2DA033 | ● F017L3DA033 | ● F017L4DA033 |
| 1-10V | 1-10V | 1-10V | 1-10V |
| ○ F017L1DB006 | ○ F017L2DB006 | ○ F017L3DB006 | ○ F017L4DB006 |
| ● F017L1DB033 | ● F017L2DB033 | ● F017L3DB033 | ● F017L4DB033 |
| Dali | Dali | Dali | Dali |
| ○ F017L1DD006 | ○ F017L2DD006 | ○ F017L3DD006 | ○ F017L4DD006 |
| ● F017L1DD033 | ● F017L2DD033 | ● F017L3DD033 | ● F017L4DD033 |




@3000K

| Beam Angle: | 12° | |
|---|---|---|
| h(m) | E(lx) | D(m) |
| 1 | 8280 | 0.22 |
| 2 | 2070 | 0.44 |
| 3 | 920 | 0.66 |
| 4 | 517 | 0.87 |
| 5 | 331 | 1.09 |



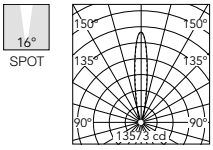

High-power LED source included and rear lenses equipped with anti-glare diffuser grille. 1-10V or DALI on-off and dimmable 220-240V power supply.
Compulsory installation box to be ordered separately.
Pre-wired with $H_2O$ Stop quick connectors, plug/socket included.
ACT (Anti-Corrosion Treatment) upon request.

Fuente LED de alta potencia incluida y ópticas retrocedidas equipadas con difusor de rejilla antideslumbrante. Alimentación 220-240 V on-off y regulable 1-10V y DALI.
La caja de montaje para la instalación obligatoria debe pedirse por separado.
Precableado con conectores rápidos $H_2O$ Stop toma/enchufe incluidos.
ACT (Anti Corrosion Treatment) bajo petición.

### Optic Spot 16º

**Power Led:** 26W - LED 2795 lm ≠ OUTPUT 1505 lm - 2200K/CRI 80 / 26W - LED 2898 lm ≠ OUTPUT 1560 lm - 2700K/CRI 80 / 26W - LED 3105 lm ≠ OUTPUT 1672 lm - 3000K/CRI 80 / 26W - LED 3209 lm ≠ OUTPUT 1728 lm - 4000K/CRI 80

| 2200K | 2700K | 3000K | 4000K |
|---|---|---|---|
| Non Dimmable | Non Dimmable | Non Dimmable | Non Dimmable |
| ● F017L1HA006 | ● F017L2HA006 | ● F017L3HA006 | ● F017L4HA006 |
| ● F017L1HA033 | ● F017L2HA033 | ● F017L3HA033 | ● F017L4HA033 |
| 1-10V | 1-10V | 1-10V | 1-10V |
| ● F017L1HB006 | ● F017L2HB006 | ● F017L3HB006 | ● F017L4HB006 |
| ● F017L1HB033 | ● F017L2HB033 | ● F017L3HB033 | ● F017L4HB033 |
| Dali | Dali | Dali | Dali |
| ● F017L1HD006 | ● F017L2HD006 | ● F017L3HD006 | ● F017L4HD006 |
| ● F017L1HD033 | ● F017L2HD033 | ● F017L3HD033 | ● F017L4HD033 |



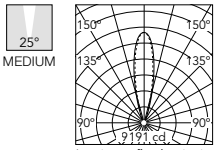

@3000K

| Beam Angle: | 16° | |
|---|---|---|
| h(m) | E(lx) | D(m) |
| 1 | 13573 | 0.28 |
| 2 | 3393 | 0.56 |
| 3 | 1508 | 0.83 |
| 4 | 848 | 1.11 |
| 5 | 543 | 1.39 |

### Optic Medium 25º

**Power Led:** 26W - LED 2795 lm ≠ OUTPUT 1594 lm - 2200K/CRI 80 / 26W - LED 2898 lm ≠ OUTPUT 1653 lm - 2700K/CRI 80 / 26W - LED 3105 lm ≠ OUTPUT 1771 lm - 3000K/CRI 80 / 26W - LED 3209 lm ≠ OUTPUT 1830 lm - 4000K/CRI 80

| 2200K | 2700K | 3000K | 4000K |
|---|---|---|---|
| Non Dimmable | Non Dimmable | Non Dimmable | Non Dimmable |
| ● F017L1JA006 | ● F017L2JA006 | ● F017L3JA006 | ● F017L4JA006 |
| ● F017L1JA033 | ● F017L2JA033 | ● F017L3JA033 | ● F017L4JA033 |
| 1-10V | 1-10V | 1-10V | 1-10V |
| ● F017L1JB006 | ● F017L2JB006 | ● F017L3JB006 | ● F017L4JB006 |
| ● F017L1JB033 | ● F017L2JB033 | ● F017L3JB033 | ● F017L4JB033 |
| Dali | Dali | Dali | Dali |
| ● F017L1JD006 | ● F017L2JD006 | ● F017L3JD006 | ● F017L4JD006 |
| ● F017L1JD033 | ● F017L2JD033 | ● F017L3JD033 | ● F017L4JD033 |



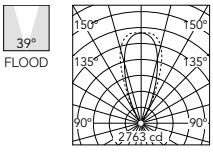

@3000K

| Beam Angle: | 25° | |
|---|---|---|
| h(m) | E(lx) | D(m) |
| 1 | 9191 | 0.44 |
| 2 | 2298 | 0.87 |
| 3 | 1021 | 1.31 |
| 4 | 574 | 1.74 |
| 5 | 368 | 2.18 |

### Optic Flood 39º

**Power Led:** 26W - LED 2795 lm ≠ OUTPUT 1233 lm - 2200K/CRI 80 / 26W - LED 2898 lm ≠ OUTPUT 1278 lm - 2700K/CRI 80 / 26W - LED 3105 lm ≠ OUTPUT 1370 lm - 3000K/CRI 80 / 26W - LED 3209 lm ≠ OUTPUT 1415 lm - 4000K/CRI 80

| 2200K | 2700K | 3000K | 4000K |
|---|---|---|---|
| Non Dimmable | Non Dimmable | Non Dimmable | Non Dimmable |
| ● F017L1KA006 | ● F017L2KA006 | ● F017L3KA006 | ● F017L4KA006 |
| ● F017L1KA033 | ● F017L2KA033 | ● F017L3KA033 | ● F017L4KA033 |
| 1-10V | 1-10V | 1-10V | 1-10V |
| ● F017L1KB006 | ● F017L2KB006 | ● F017L3KB006 | ● F017L4KB006 |
| ● F017L1KB033 | ● F017L2KB033 | ● F017L3KB033 | ● F017L4KB033 |
| Dali | Dali | Dali | Dali |
| ● F017L1KD006 | ● F017L2KD006 | ● F017L3KD006 | ● F017L4KD006 |
| ● F017L1KD033 | ● F017L2KD033 | ● F017L3KD033 | ● F017L4KD033 |



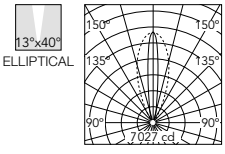

@3000K

| Beam Angle: | 39° | |
|---|---|---|
| h(m) | E(lx) | D(m) |
| 1 | 2755 | 0.71 |
| 2 | 689 | 1.43 |
| 3 | 306 | 2.14 |
| 4 | 172 | 2.86 |
| 5 | 110 | 3.57 |

### Optic Elliptical 13º x 40º

**Power Led:** 26W - LED 2795 lm ≠ OUTPUT 1229 lm - 2200K/CRI 80 / 26W - LED 2898 lm ≠ OUTPUT 1275 lm - 2700K/CRI 80 / 26W - LED 3105 lm ≠ OUTPUT 1366 lm - 3000K/CRI 80 / 26W - LED 3209 lm ≠ OUTPUT 1411 lm - 4000K/CRI 80

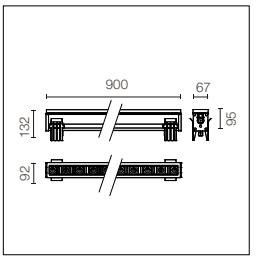
| 2200K | 2700K | 3000K | 4000K |
|---|---|---|---|
| Non Dimmable | Non Dimmable | Non Dimmable | Non Dimmable |
| ● F017L1LA006 | ● F017L2LA006 | ● F017L3LA006 | ● F017L4LA006 |
| ● F017L1LA033 | ● F017L2LA033 | ● F017L3LA033 | ● F017L4LA033 |
| | 1-10V | 1-10V | 1-10V |
| ● F017L1LB006 | ● F017L2LB006 | ● F017L3LB006 | ● F017L4LB006 |
| ● F017L1LB033 | ● F017L2LB033 | ● F017L3LB033 | ● F017L4LB033 |
| | Dali | Dali | Dali |
| ● F017L1LD006 | ● F017L2LD006 | ● F017L3LD006 | ● F017L4LD006 |
| ● F017L1LD033 | ● F017L2LD033 | ● F017L3LD033 | ● F017L4LD033 |

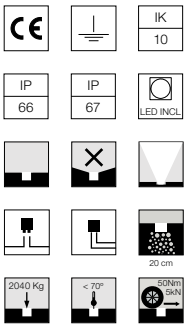



@3000K

| Beam Angle: | 13° | |
|---|---|---|
| h(m) | E(lx) | D(m) |
| 1 | 7027 | 0.22 |
| 2 | 1757 | 0.44 |
| 3 | 781 | 0.67 |
| 4 | 439 | 0.89 |
| 5 | 281 | 1.11 |

## Ingraze Fixed Frameless + Asymmetric Louvre L 900




High-power LED source included and rear lenses equipped with anti-glare asymmetrical diffuser grille. 1-10V or DALI on-off and dimmable 220-240V power supply. Compulsory installation box to be ordered separately. Pre-wired with $H_2O$ Stop quick connectors, plug/socket included. ACT (Anti-Corrosion Treatment) upon request.

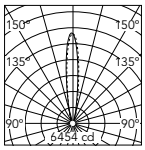
Fuente LED de alta potencia incluida y ópticas retrocedidas equipadas con difusor de rejilla asimétrico antideslumbrante. Alimentación 220-240 V on-off y regulable 1-10V y DALI. La caja de montaje para la instalación obligatoria debe pedirse por separado. Precableado con conectores rápidos $H_2O$ Stop toma/enchufe incluidos. ACT (Anti Corrosion Treatment) bajo petición.

### Optic Spot 15º

**Power Led:** 26W - LED 2795 lm ≠ OUTPUT 715 lm - 2200K/CRI 80 / 26W - LED 2898 lm ≠ OUTPUT 742 lm - 2700K/CRI 80 / 26W - LED 3105 lm ≠ OUTPUT 795 lm - 3000K/CRI 80 / 26W - LED 3209 lm ≠ OUTPUT 821 lm - 4000K/CRI 80

| 2200K | 2700K | 3000K | 4000K |
|---|---|---|---|
| Non Dimmable | Non Dimmable | Non Dimmable | Non Dimmable |
| ● F017L1QA006 | ● F017L2QA006 | ● F017L3QA006 | ● F017L4QA006 |
| ● F017L1QA033 | ● F017L2QA033 | ● F017L3QA033 | ● F017L4QA033 |
| 1-10V | 1-10V | 1-10V | 1-10V |
| ● F017L1QB006 | ● F017L2QB006 | ● F017L3QB006 | ● F017L4QB006 |
| ● F017L1QB033 | ● F017L2QB033 | ● F017L3QB033 | ● F017L4QB033 |
| Dali | Dali | Dali | Dali |
| ● F017L1QD006 | ● F017L2QD006 | ● F017L3QD006 | ● F017L4QD006 |
| ● F017L1QD033 | ● F017L2QD033 | ● F017L3QD033 | ● F017L4QD033 |

15º
SPOT




@3000K

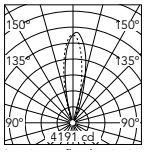
| Beam Angle: | | 15º |
|---|---|---|
| h(m) | E(lx) | D(m) |
| 1 | 6451 | 0.25 |
| 2 | 1613 | 0.51 |
| 3 | 717 | 0.76 |
| 4 | 403 | 1.02 |
| 5 | 258 | 1.27 |

### Optic Medium 25º

**Power Led:** 26W - LED 2795 lm ≠ OUTPUT 757 lm - 2200K/CRI 80 / 26W - LED 2898 lm ≠ OUTPUT 785 lm - 2700K/CRI 80 / 26W - LED 3105 lm ≠ OUTPUT 841 lm - 3000K/CRI 80 / 26W - LED 3209 lm ≠ OUTPUT 869 lm - 4000K/CRI 80

| 2200K | 2700K | 3000K | 4000K |
|---|---|---|---|
| Non Dimmable | Non Dimmable | Non Dimmable | Non Dimmable |
| ● F017L1RA006 | ● F017L2RA006 | ● F017L3RA006 | ● F017L4RA006 |
| ● F017L1RA033 | ● F017L2RA033 | ● F017L3RA033 | ● F017L4RA033 |
| 1-10V | 1-10V | 1-10V | 1-10V |
| ● F017L1RB006 | ● F017L2RB006 | ● F017L3RB006 | ● F017L4RB006 |
| ● F017L1RB033 | ● F017L2RB033 | ● F017L3RB033 | ● F017L4RB033 |
| Dali | Dali | Dali | Dali |
| ● F017L1RD006 | ● F017L2RD006 | ● F017L3RD006 | ● F017L4RD006 |
| ● F017L1RD033 | ● F017L2RD033 | ● F017L3RD033 | ● F017L4RD033 |

25º
MEDIUM




@3000K

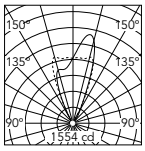
| Beam Angle: | | 25º |
|---|---|---|
| h(m) | E(lx) | D(m) |
| 1 | 4183 | 0.45 |
| 2 | 1046 | 0.89 |
| 3 | 465 | 1.34 |
| 4 | 261 | 1.78 |
| 5 | 167 | 2.23 |

### Optic Flood 42º

**Power Led:** 26W - LED 2795 lm ≠ OUTPUT 606 lm - 2200K/CRI 80 / 26W - LED 2898 lm ≠ OUTPUT 628 lm - 2700K/CRI 80 / 26W - LED 3105 lm ≠ OUTPUT 673 lm - 3000K/CRI 80 / 26W - LED 3209 lm ≠ OUTPUT 696 lm - 4000K/CRI 80

| 2200K | 2700K | 3000K | 4000K |
|---|---|---|---|
| Non Dimmable | Non Dimmable | Non Dimmable | Non Dimmable |
| ● F017L1SA006 | ● F017L2SA006 | ● F017L3SA006 | ● F017L4SA006 |
| ● F017L1SA033 | ● F017L2SA033 | ● F017L3SA033 | ● F017L4SA033 |
| 1-10V | 1-10V | 1-10V | 1-10V |
| ● F017L1SB006 | ● F017L2SB006 | ● F017L3SB006 | ● F017L4SB006 |
| ● F017L1SB033 | ● F017L2SB033 | ● F017L3SB033 | ● F017L4SB033 |
| Dali | Dali | Dali | Dali |
| ● F017L1SD006 | ● F017L2SD006 | ● F017L3SD006 | ● F017L4SD006 |
| ● F017L1SD033 | ● F017L2SD033 | ● F017L3SD033 | ● F017L4SD033 |

42º
FLOOD




@3000K

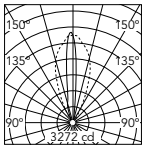
| Beam Angle: | | 42º |
|---|---|---|
| h(m) | E(lx) | D(m) |
| 1 | 1474 | 0.76 |
| 2 | 368 | 1.51 |
| 3 | 164 | 2.27 |
| 4 | 92 | 3.03 |
| 5 | 59 | 3.78 |

### Optic Elliptical 12º x 40º

**Power Led:** 26W - LED 2795 lm ≠ OUTPUT 580 lm - 2200K/CRI 80 / 26W - LED 2898 lm ≠ OUTPUT 602 lm - 2700K/CRI 80 / 26W - LED 3105 lm ≠ OUTPUT 645 lm - 3000K/CRI 80 / 26W - LED 3209 lm ≠ OUTPUT 666 lm - 4000K/CRI 80

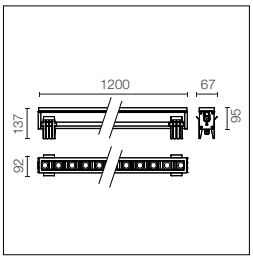
| 2200K | 2700K | 3000K | 4000K |
|---|---|---|---|
| Non Dimmable | Non Dimmable | Non Dimmable | Non Dimmable |
| ● F017L1TA006 | ● F017L2TA006 | ● F017L3TA006 | ● F017L4TA006 |
| ● F017L1TA033 | ● F017L2TA033 | ● F017L3TA033 | ● F017L4TA033 |
| 1-10V | 1-10V | 1-10V | 1-10V |
| ● F017L1TB006 | ● F017L2TB006 | ● F017L3TB006 | ● F017L4TB006 |
| ● F017L1TB033 | ● F017L2TB033 | ● F017L3TB033 | ● F017L4TB033 |
| Dali | Dali | Dali | Dali |
| ● F017L1TD006 | ● F017L2TD006 | ● F017L3TD006 | ● F017L4TD006 |
| ● F017L1TD033 | ● F017L2TD033 | ● F017L3TD033 | ● F017L4TD033 |

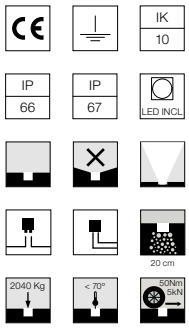
12º×40º
ELLIPTICAL




@3000K

| Beam Angle: | | 12º |
|---|---|---|
| h(m) | E(lx) | D(m) |
| 1 | 3271 | 0.21 |
| 2 | 818 | 0.42 |
| 3 | 363 | 0.62 |
| 4 | 204 | 0.83 |
| 5 | 131 | 1.04 |



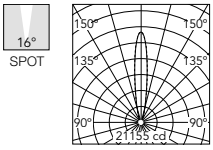

High-power LED source included and rear lenses. 1-10V or DALI on-off and dimmable 220-240V power supply.
Compulsory installation box to be ordered separately.
Pre-wired with $H_2O$ Stop quick connectors, plug/socket included.
ACT (Anti-Corrosion Treatment) upon request.

Fuente LED de alta potencia incluida y ópticas retrocedidas.
Alimentación 220-240 V on-off y regulable 1-10V y DALI.
La caja de montaje para la instalación obligatoria debe pedirse por separado.
Precableado con conectores rápidos $H_2O$ Stop toma/enchufe incluidos.
ACT (Anti Corrosion Treatment) bajo petición.

### Optic Spot 16º

**Power Led:** 33,5W - LED 3726 lm ≠ OUTPUT 2736 lm - 2200K/CRI 80 / 33,5W - LED 3864 lm ≠ OUTPUT 2837 lm - 2700K/CRI 80 / 33,5W - LED 4140 lm ≠ OUTPUT 3040 lm - 3000K/CRI 80 / 33,5W - LED 4278 lm ≠ OUTPUT 3141 lm - 4000K/CRI 80

| 2200K | 2700K | 3000K | 4000K |
|---|---|---|---|
| Non Dimmable | Non Dimmable | Non Dimmable | Non Dimmable |
| ● F017M1AA006 | ● F017M2AA006 | ● F017M3AA006 | ● F017M4AA006 |
| ● F017M1AA033 | ● F017M2AA033 | ● F017M3AA033 | ● F017M4AA033 |
| 1-10V | 1-10V | 1-10V | 1-10V |
| ● F017M1AB006 | ● F017M2AB006 | ● F017M3AB006 | ● F017M4AB006 |
| ● F017M1AB033 | ● F017M2AB033 | ● F017M3AB033 | ● F017M4AB033 |
| Dali | Dali | Dali | Dali |
| ● F017M1AD006 | ● F017M2AD006 | ● F017M3AD006 | ● F017M4AD006 |
| ● F017M1AD033 | ● F017M2AD033 | ● F017M3AD033 | ● F017M4AD033 |




@3000K

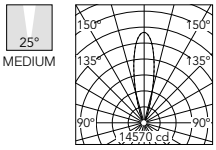
Beam Angle: 16°

| h(m) | E(lx) | D(m) |
|---|---|---|
| 1 | 21155 | 0.27 |
| 2 | 5289 | 0.55 |
| 3 | 2351 | 0.82 |
| 4 | 1322 | 1.09 |
| 5 | 846 | 1.37 |

### Optic Medium 25º

**Power Led:** 33,5W - LED 3726 lm ≠ OUTPUT 2945 lm - 2200K/CRI 80 / 33,5W - LED 3864 lm ≠ OUTPUT 3054 lm - 2700K/CRI 80 / 33,5W - LED 4140 lm ≠ OUTPUT 3272 lm - 3000K/CRI 80 / 33,5W - LED 4278 lm ≠ OUTPUT 3381 lm - 4000K/CRI 80

| 2200K | 2700K | 3000K | 4000K |
|---|---|---|---|
| Non Dimmable | Non Dimmable | Non Dimmable | Non Dimmable |
| ● F017M1BA006 | ● F017M2BA006 | ● F017M3BA006 | ● F017M4BA006 |
| ● F017M1BA033 | ● F017M2BA033 | ● F017M3BA033 | ● F017M4BA033 |
| 1-10V | 1-10V | 1-10V | 1-10V |
| ● F017M1BB006 | ● F017M2BB006 | ● F017M3BB006 | ● F017M4BB006 |
| ● F017M1BB033 | ● F017M2BB033 | ● F017M3BB033 | ● F017M4BB033 |
| Dali | Dali | Dali | Dali |
| ● F017M1BD006 | ● F017M2BD006 | ● F017M3BD006 | ● F017M4BD006 |
| ● F017M1BD033 | ● F017M2BD033 | ● F017M3BD033 | ● F017M4BD033 |




@3000K

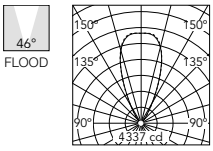
Beam Angle: 25°

| h(m) | E(lx) | D(m) |
|---|---|---|
| 1 | 14570 | 0.44 |
| 2 | 3643 | 0.88 |
| 3 | 1619 | 1.32 |
| 4 | 911 | 1.76 |
| 5 | 583 | 2.20 |

### Optic Flood 46º

**Power Led:** 33,5W - LED 3726 lm ≠ OUTPUT 2565 lm - 2200K/CRI 80 / 33,5W - LED 3864 lm ≠ OUTPUT 2660 lm - 2700K/CRI 80 / 33,5W - LED 4140 lm ≠ OUTPUT 2850 lm - 3000K/CRI 80 / 33,5W - LED 4278 lm ≠ OUTPUT 2945 lm - 4000K/CRI 80

| 2200K | 2700K | 3000K | 4000K |
|---|---|---|---|
| Non Dimmable | Non Dimmable | Non Dimmable | Non Dimmable |
| ● F017M1CA006 | ● F017M2CA006 | ● F017M3CA006 | ● F017M4CA006 |
| ● F017M1CA033 | ● F017M2CA033 | ● F017M3CA033 | ● F017M4CA033 |
| 1-10V | 1-10V | 1-10V | 1-10V |
| ● F017M1CB006 | ● F017M2CB006 | ● F017M3CB006 | ● F017M4CB006 |
| ● F017M1CB033 | ● F017M2CB033 | ● F017M3CB033 | ● F017M4CB033 |
| Dali | Dali | Dali | Dali |
| ● F017M1CD006 | ● F017M2CD006 | ● F017M3CD006 | ● F017M4CD006 |
| ● F017M1CD033 | ● F017M2CD033 | ● F017M3CD033 | ● F017M4CD033 |




@3000K

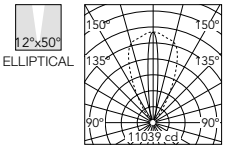
Beam Angle: 46°

| h(m) | E(lx) | D(m) |
|---|---|---|
| 1 | 4316 | 0.85 |
| 2 | 1079 | 1.71 |
| 3 | 480 | 2.56 |
| 4 | 270 | 3.42 |
| 5 | 173 | 4.27 |

### Optic Elliptical 12º x 50º

**Power Led:** 33,5W - LED 3726 lm ≠ OUTPUT 2572 lm - 2200K/CRI 80 / 33,5W - LED 3864 lm ≠ OUTPUT 2668 lm - 2700K/CRI 80 / 33,5W - LED 4140 lm ≠ OUTPUT 2858 lm - 3000K/CRI 80 / 33,5W - LED 4278 lm ≠ OUTPUT 2953 lm - 4000K/CRI 80

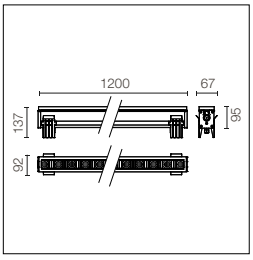
| 2200K | 2700K | 3000K | 4000K |
|---|---|---|---|
| Non Dimmable | Non Dimmable | Non Dimmable | Non Dimmable |
| ● F017M1DA006 | ● F017M2DA006 | ● F017M3DA006 | ● F017M4DA006 |
| ● F017M1DA033 | ● F017M2DA033 | ● F017M3DA033 | ● F017M4DA033 |
| 1-10V | 1-10V | 1-10V | 1-10V |
| ● F017M1DB006 | ● F017M2DB006 | ● F017M3DB006 | ● F017M4DB006 |
| ● F017M1DB033 | ● F017M2DB033 | ● F017M3DB033 | ● F017M4DB033 |
| Dali | Dali | Dali | Dali |
| ● F017M1DD006 | ● F017M2DD006 | ● F017M3DD006 | ● F017M4DD006 |
| ● F017M1DD033 | ● F017M2DD033 | ● F017M3DD033 | ● F017M4DD033 |

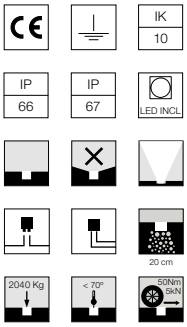



@3000K

Beam Angle: 12°

| h(m) | E(lx) | D(m) |
|---|---|---|
| 1 | 11037 | 0.22 |
| 2 | 2759 | 0.44 |
| 3 | 1226 | 0.66 |
| 4 | 690 | 0.87 |
| 5 | 441 | 1.09 |



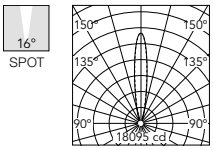

High-power LED source included and rear lenses equipped with anti-glare diffuser grille. 1-10V or DALI on-off and dimmable 220-240V power supply.
Compulsory installation box to be ordered separately.
Pre-wired with $H_2O$ Stop quick connectors, plug/socket included.
ACT (Anti-Corrosion Treatment) upon request.

Fuente LED de alta potencia incluida y ópticas retrocedidas equipadas con difusor de rejilla antideslumbrante. Alimentación 220-240 V on-off y regulable 1-10V y DALI.
La caja de montaje para la instalación obligatoria debe pedirse por separado.
Precableado con conectores rápidos $H_2O$ Stop toma/enchufe incluidos.
ACT (Anti Corrosion Treatment) bajo petición.

### Optic Spot 16º

**Power Led:** 33,5W - LED 3726 lm ≠ OUTPUT 2006 lm - 2200K/CRI 80 / 33,5W - LED 3864 lm ≠ OUTPUT 2080 lm - 2700K/CRI 80 / 33,5W - LED 4140 lm ≠ OUTPUT 2229 lm - 3000K/CRI 80 / 33,5W - LED 4278 lm ≠ OUTPUT 2303 lm - 4000K/CRI 80

| 2200K | 2700K | 3000K | 4000K |
|---|---|---|---|
| Non Dimmable | Non Dimmable | Non Dimmable | Non Dimmable |
| ● F017M1HA006 | ● F017M2HA006 | ● F017M3HA006 | ● F017M4HA006 |
| ● F017M1HA033 | ● F017M2HA033 | ● F017M3HA033 | ● F017M4HA033 |
| 1-10V | 1-10V | 1-10V | 1-10V |
| ● F017M1HB006 | ● F017M2HB006 | ● F017M3HB006 | ● F017M4HB006 |
| ● F017M1HB033 | ● F017M2HB033 | ● F017M3HB033 | ● F017M4HB033 |
| Dali | Dali | Dali | Dali |
| ● F017M1HD006 | ● F017M2HD006 | ● F017M3HD006 | ● F017M4HD006 |
| ● F017M1HD033 | ● F017M2HD033 | ● F017M3HD033 | ● F017M4HD033 |




@3000K

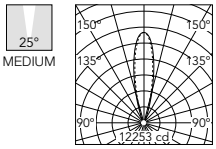
Beam Angle: 16°

| h(m) | E(lx) | D(m) |
|---|---|---|
| 1 | 18095 | 0.28 |
| 2 | 4524 | 0.56 |
| 3 | 2011 | 0.83 |
| 4 | 1131 | 1.11 |
| 5 | 724 | 1.39 |

### Optic Medium 25º

**Power Led:** 33,5W - LED 3726 lm ≠ OUTPUT 2125 lm - 2200K/CRI 80 / 33,5W - LED 3864 lm ≠ OUTPUT 2203 lm - 2700K/CRI 80 / 33,5W - LED 4140 lm ≠ OUTPUT 2361 lm - 3000K/CRI 80 / 33,5W - LED 4278 lm ≠ OUTPUT 2439 lm - 4000K/CRI 80

| 2200K | 2700K | 3000K | 4000K |
|---|---|---|---|
| Non Dimmable | Non Dimmable | Non Dimmable | Non Dimmable |
| ● F017M1JA006 | ● F017M2JA006 | ● F017M3JA006 | ● F017M4JA006 |
| ● F017M1JA033 | ● F017M2JA033 | ● F017M3JA033 | ● F017M4JA033 |
| 1-10V | 1-10V | 1-10V | 1-10V |
| ● F017M1JB006 | ● F017M2JB006 | ● F017M3JB006 | ● F017M4JB006 |
| ● F017M1JB033 | ● F017M2JB033 | ● F017M3JB033 | ● F017M4JB033 |
| Dali | Dali | Dali | Dali |
| ● F017M1JD006 | ● F017M2JD006 | ● F017M3JD006 | ● F017M4JD006 |
| ● F017M1JD033 | ● F017M2JD033 | ● F017M3JD033 | ● F017M4JD033 |




@3000K

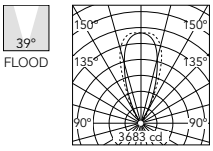
Beam Angle: 25°

| h(m) | E(lx) | D(m) |
|---|---|---|
| 1 | 12253 | 0.44 |
| 2 | 3063 | 0.87 |
| 3 | 1361 | 1.31 |
| 4 | 766 | 1.74 |
| 5 | 490 | 2.18 |

### Optic Flood 39º

**Power Led:** 33,5W - LED 3726 lm ≠ OUTPUT 1643 lm - 2200K/CRI 80 / 33,5W - LED 3864 lm ≠ OUTPUT 1704 lm - 2700K/CRI 80 / 33,5W - LED 4140 lm ≠ OUTPUT 1826 lm - 3000K/CRI 80 / 33,5W - LED 4278 lm ≠ OUTPUT 1887 lm - 4000K/CRI 80

| 2200K | 2700K | 3000K | 4000K |
|---|---|---|---|
| Non Dimmable | Non Dimmable | Non Dimmable | Non Dimmable |
| ● F017M1KA006 | ● F017M2KA006 | ● F017M3KA006 | ● F017M4KA006 |
| ● F017M1KA033 | ● F017M2KA033 | ● F017M3KA033 | ● F017M4KA033 |
| 1-10V | 1-10V | 1-10V | 1-10V |
| ● F017M1KB006 | ● F017M2KB006 | ● F017M3KB006 | ● F017M4KB006 |
| ● F017M1KB033 | ● F017M2KB033 | ● F017M3KB033 | ● F017M4KB033 |
| Dali | Dali | Dali | Dali |
| ● F017M1KD006 | ● F017M2KD006 | ● F017M3KD006 | ● F017M4KD006 |
| ● F017M1KD033 | ● F017M2KD033 | ● F017M3KD033 | ● F017M4KD033 |




@3000K

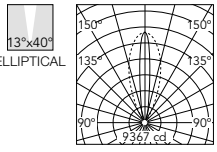
Beam Angle: 39°

| h(m) | E(lx) | D(m) |
|---|---|---|
| 1 | 3672 | 0.71 |
| 2 | 918 | 1.43 |
| 3 | 408 | 2.14 |
| 4 | 230 | 2.86 |
| 5 | 147 | 3.57 |

### Optic Elliptical 13º x 40º

**Power Led:** 33,5W - LED 3726 lm ≠ OUTPUT 1639 lm - 2200K/CRI 80 / 33,5W - LED 3864 lm ≠ OUTPUT 1700 lm - 2700K/CRI 80 / 33,5W - LED 4140 lm ≠ OUTPUT 1821 lm - 3000K/CRI 80 / 33,5W - LED 4278 lm ≠ OUTPUT 1882 lm - 4000K/CRI 80

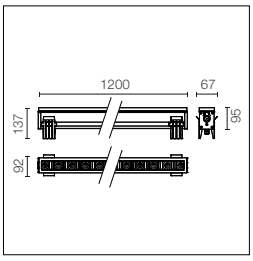
| 2200K | 2700K | 3000K | 4000K |
|---|---|---|---|
| Non Dimmable | Non Dimmable | Non Dimmable | Non Dimmable |
| ● F017M1LA006 | ● F017M2LA006 | ● F017M3LA006 | ● F017M4LA006 |
| ● F017M1LA033 | ● F017M2LA033 | ● F017M3LA033 | ● F017M4LA033 |
| 1-10V | 1-10V | 1-10V | 1-10V |
| ● F017M1LB006 | ● F017M2LB006 | ● F017M3LB006 | ● F017M4LB006 |
| ● F017M1LB033 | ● F017M2LB033 | ● F017M3LB033 | ● F017M4LB033 |
| Dali | Dali | Dali | Dali |
| ● F017M1LD006 | ● F017M2LD006 | ● F017M3LD006 | ● F017M4LD006 |
| ● F017M1LD033 | ● F017M2LD033 | ● F017M3LD033 | ● F017M4LD033 |

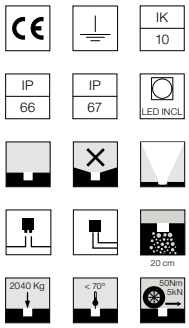



@3000K

Beam Angle: 13°

| h(m) | E(lx) | D(m) |
|---|---|---|
| 1 | 9367 | 0.22 |
| 2 | 2342 | 0.44 |
| 3 | 1041 | 0.67 |
| 4 | 585 | 0.89 |
| 5 | 375 | 1.11 |




High-power LED source included and rear lenses equipped with anti-glare asymmetrical diffuser grille. 1-10V or DALI on-off and dimmable 220-240V power supply. Compulsory installation box to be ordered separately. Pre-wired with $H_2O$ Stop quick connectors, plug/socket included. ACT (Anti-Corrosion Treatment) upon request.

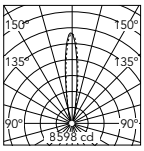
Fuente LED de alta potencia incluida y ópticas retrocedidas equipadas con difusor de rejilla asimétrico antideslumbrante. Alimentación 220-240 V on-off y regulable 1-10V y DALI. La caja de montaje para la instalación obligatoria debe pedirse por separado. Precableado con conectores rápidos $H_2O$ Stop toma/enchufe incluidos. ACT (Anti Corrosion Treatment) bajo petición.

### Optic Spot 15º

**Power Led:** 33,5W - LED 3726 lm ≠ OUTPUT 954 lm - 2200K/CRI 80 / 33,5W - LED 3864 lm ≠ OUTPUT 989 lm - 2700K/CRI 80 / 33,5W - LED 4140 lm ≠ OUTPUT 1059 lm - 3000K/CRI 80 / 33,5W - LED 4278 lm ≠ OUTPUT 1095 lm - 4000K/CRI 80

| 2200K | 2700K | 3000K | 4000K |
|---|---|---|---|
| Non Dimmable | Non Dimmable | Non Dimmable | Non Dimmable |
| ● F017M1QA006 | ● F017M2QA006 | ● F017M3QA006 | ● F017M4QA006 |
| ● F017M1QA033 | ● F017M2QA033 | ● F017M3QA033 | ● F017M4QA033 |
| 1-10V | 1-10V | 1-10V | 1-10V |
| ● F017M1QB006 | ● F017M2QB006 | ● F017M3QB006 | ● F017M4QB006 |
| ● F017M1QB033 | ● F017M2QB033 | ● F017M3QB033 | ● F017M4QB033 |
| Dali | Dali | Dali | Dali |
| ● F017M1QD006 | ● F017M2QD006 | ● F017M3QD006 | ● F017M4QD006 |
| ● F017M1QD033 | ● F017M2QD033 | ● F017M3QD033 | ● F017M4QD033 |

15°
SPOT




@3000K

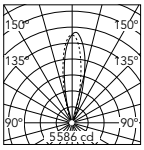
| Beam Angle: | 15° | |
|---|---|---|
| h(m) | E(lx) | D(m) |
| 1 | 8593 | 0.25 |
| 2 | 2148 | 0.51 |
| 3 | 955 | 0.76 |
| 4 | 537 | 1.02 |
| 5 | 344 | 1.27 |

### Optic Medium 25º

**Power Led:** 33,5W - LED 3726 lm ≠ OUTPUT 1009 lm - 2200K/CRI 80 / 33,5W - LED 3864 lm ≠ OUTPUT 1046 lm - 2700K/CRI 80 / 33,5W - LED 4140 lm ≠ OUTPUT 1121 lm - 3000K/CRI 80 / 33,5W - LED 4278 lm ≠ OUTPUT 1158 lm - 4000K/CRI 80

| 2200K | 2700K | 3000K | 4000K |
|---|---|---|---|
| Non Dimmable | Non Dimmable | Non Dimmable | Non Dimmable |
| ● F017M1RA006 | ● F017M2RA006 | ● F017M3RA006 | ● F017M4RA006 |
| ● F017M1RA033 | ● F017M2RA033 | ● F017M3RA033 | ● F017M4RA033 |
| 1-10V | 1-10V | 1-10V | 1-10V |
| ● F017M1RB006 | ● F017M2RB006 | ● F017M3RB006 | ● F017M4RB006 |
| ● F017M1RB033 | ● F017M2RB033 | ● F017M3RB033 | ● F017M4RB033 |
| Dali | Dali | Dali | Dali |
| ● F017M1RD006 | ● F017M2RD006 | ● F017M3RD006 | ● F017M4RD006 |
| ● F017M1RD033 | ● F017M2RD033 | ● F017M3RD033 | ● F017M4RD033 |

25°
MEDIUM




@3000K

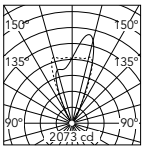
| Beam Angle: | 25° | |
|---|---|---|
| h(m) | E(lx) | D(m) |
| 1 | 5576 | 0.45 |
| 2 | 1394 | 0.89 |
| 3 | 620 | 1.34 |
| 4 | 349 | 1.78 |
| 5 | 223 | 2.23 |

### Optic Flood 42º

**Power Led:** 33,5W - LED 3726 lm ≠ OUTPUT 808 lm - 2200K/CRI 80 / 33,5W - LED 3864 lm ≠ OUTPUT 838 lm - 2700K/CRI 80 / 33,5W - LED 4140 lm ≠ OUTPUT 898 lm - 3000K/CRI 80 / 33,5W - LED 4278 lm ≠ OUTPUT 928 lm - 4000K/CRI 80

| 2200K | 2700K | 3000K | 4000K |
|---|---|---|---|
| Non Dimmable | Non Dimmable | Non Dimmable | Non Dimmable |
| ● F017M1SA006 | ● F017M2SA006 | ● F017M3SA006 | ● F017M4SA006 |
| ● F017M1SA033 | ● F017M2SA033 | ● F017M3SA033 | ● F017M4SA033 |
| 1-10V | 1-10V | 1-10V | 1-10V |
| ● F017M1SB006 | ● F017M2SB006 | ● F017M3SB006 | ● F017M4SB006 |
| ● F017M1SB033 | ● F017M2SB033 | ● F017M3SB033 | ● F017M4SB033 |
| Dali | Dali | Dali | Dali |
| ● F017M1SD006 | ● F017M2SD006 | ● F017M3SD006 | ● F017M4SD006 |
| ● F017M1SD033 | ● F017M2SD033 | ● F017M3SD033 | ● F017M4SD033 |

42°
FLOOD




@3000K

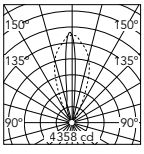
| Beam Angle: | 42° | |
|---|---|---|
| h(m) | E(lx) | D(m) |
| 1 | 1967 | 0.76 |
| 2 | 492 | 1.51 |
| 3 | 219 | 2.27 |
| 4 | 123 | 3.03 |
| 5 | 79 | 3.78 |

### Optic Elliptical 12º x 40º

**Power Led:** 33,5W - LED 3726 lm ≠ OUTPUT 773 lm - 2200K/CRI 80 / 33,5W - LED 3864 lm ≠ OUTPUT 802 lm - 2700K/CRI 80 / 33,5W - LED 4140 lm ≠ OUTPUT 859 lm - 3000K/CRI 80 / 33,5W - LED 4278 lm ≠ OUTPUT 888 lm - 4000K/CRI 80

| 2200K | 2700K | 3000K | 4000K |
|---|---|---|---|
| Non Dimmable | Non Dimmable | Non Dimmable | Non Dimmable |
| ● F017M1TA006 | ● F017M2TA006 | ● F017M3TA006 | ● F017M4TA006 |
| ● F017M1TA033 | ● F017M2TA033 | ● F017M3TA033 | ● F017M4TA033 |
| 1-10V | 1-10V | 1-10V | 1-10V |
| ● F017M1TB006 | ● F017M2TB006 | ● F017M3TB006 | ● F017M4TB006 |
| ● F017M1TB033 | ● F017M2TB033 | ● F017M3TB033 | ● F017M4TB033 |
| Dali | Dali | Dali | Dali |
| ● F017M1TD006 | ● F017M2TD006 | ● F017M3TD006 | ● F017M4TD006 |
| ● F017M1TD033 | ● F017M2TD033 | ● F017M3TD033 | ● F017M4TD033 |

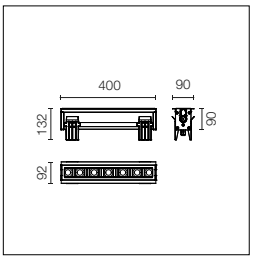
12°x40°
ELLIPTICAL

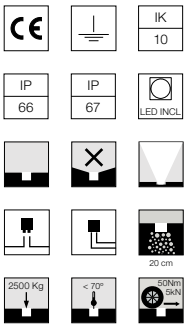



@3000K

| Beam Angle: | 12° | |
|---|---|---|
| h(m) | E(lx) | D(m) |
| 1 | 4356 | 0.21 |
| 2 | 1089 | 0.42 |
| 3 | 484 | 0.62 |
| 4 | 272 | 0.83 |
| 5 | 174 | 1.04 |

## Ingraze Adjustable Frame L 400



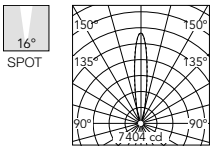

High-power LED source included and rear lenses. 1-10V or DALI on-off and dimmable 220-240V power supply. Compulsory installation box to be ordered separately. Pre-wired with $H_2O$ Stop quick connectors, plug/socket included. ACT (Anti-Corrosion Treatment) upon request.

Fuente LED de alta potencia incluida y ópticas retrocedidas. Alimentación 220-240 V on-off y regulable 1-10V y DALI. La caja de montaje para la instalación obligatoria debe pedirse por separado. Precableado con conectores rápidos $H_2O$ Stop toma/enchufe incluidos. ACT (Anti Corrosion Treatment) bajo petición.

### Optic Spot 16º

**Power Led:** 12,5W - LED 1304 lm ≠ OUTPUT 958 lm - 2200K/CRI 80 / 12,5W - LED 1352 lm ≠ OUTPUT 993 lm - 2700K/CRI 80 / 12,5W - LED 1449 lm ≠ OUTPUT 1064 lm - 3000K/CRI 80 / 12,5W - LED 1497 lm ≠ OUTPUT 1100 lm - 4000K/CRI 80

| 2200K | 2700K | 3000K | 4000K |
|---|---|---|---|
| Non Dimmable | Non Dimmable | Non Dimmable | Non Dimmable |
| ○ F017E1AA006 | ○ F017E2AA006 | ○ F017E3AA006 | ○ F017E4AA006 |
| ● F017E1AA033 | ● F017E2AA033 | ● F017E3AA033 | ● F017E4AA033 |
| 1-10V | 1-10V | 1-10V | 1-10V |
| ○ F017E1AB006 | ○ F017E2AB006 | ○ F017E3AB006 | ○ F017E4AB006 |
| ● F017E1AB033 | ● F017E2AB033 | ● F017E3AB033 | ● F017E4AB033 |
| Dali | Dali | Dali | Dali |
| ○ F017E1AD006 | ○ F017E2AD006 | ○ F017E3AD006 | ○ F017E4AD006 |
| ● F017E1AD033 | ● F017E2AD033 | ● F017E3AD033 | ● F017E4AD033 |



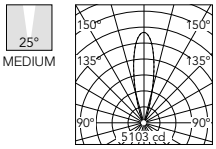

@3000K

| Beam Angle: | 16° | |
|---|---|---|
| h(m) | E(lx) | D(m) |
| 1 | 7404 | 0.27 |
| 2 | 1851 | 0.55 |
| 3 | 823 | 0.82 |
| 4 | 463 | 1.09 |
| 5 | 296 | 1.37 |

### Optic Medium 25º

**Power Led:** 12,5W - LED 1304 lm ≠ OUTPUT 1031 lm - 2200K/CRI 80 / 12,5W - LED 1352 lm ≠ OUTPUT 1069 lm - 2700K/CRI 80 / 12,5W - LED 1449 lm ≠ OUTPUT 1146 lm - 3000K/CRI 80 / 12,5W - LED 1497 lm ≠ OUTPUT 1184 lm - 4000K/CRI 80

| 2200K | 2700K | 3000K | 4000K |
|---|---|---|---|
| Non Dimmable | Non Dimmable | Non Dimmable | Non Dimmable |
| ○ F017E1BA006 | ○ F017E2BA006 | ○ F017E3BA006 | ○ F017E4BA006 |
| ● F017E1BA033 | ● F017E2BA033 | ● F017E3BA033 | ● F017E4BA033 |
| 1-10V | 1-10V | 1-10V | 1-10V |
| ○ F017E1BB006 | ○ F017E2BB006 | ○ F017E3BB006 | ○ F017E4BB006 |
| ● F017E1BB033 | ● F017E2BB033 | ● F017E3BB033 | ● F017E4BB033 |
| Dali | Dali | Dali | Dali |
| ○ F017E1BD006 | ○ F017E2BD006 | ○ F017E3BD006 | ○ F017E4BD006 |
| ● F017E1BD033 | ● F017E2BD033 | ● F017E3BD033 | ● F017E4BD033 |



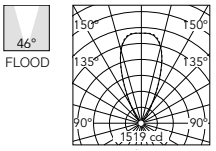

@3000K

| Beam Angle: | 25° | |
|---|---|---|
| h(m) | E(lx) | D(m) |
| 1 | 5103 | 0.44 |
| 2 | 1276 | 0.88 |
| 3 | 567 | 1.32 |
| 4 | 319 | 1.76 |
| 5 | 204 | 2.20 |

### Optic Flood 46º

**Power Led:** 12,5W - LED 1304 lm ≠ OUTPUT 898 lm - 2200K/CRI 80 / 12,5W - LED 1352 lm ≠ OUTPUT 931 lm - 2700K/CRI 80 / 12,5W - LED 1449 lm ≠ OUTPUT 998 lm - 3000K/CRI 80 / 12,5W - LED 1497 lm ≠ OUTPUT 1031 lm - 4000K/CRI 80

| 2200K | 2700K | 3000K | 4000K |
|---|---|---|---|
| Non Dimmable | Non Dimmable | Non Dimmable | Non Dimmable |
| ○ F017E1CA006 | ○ F017E2CA006 | ○ F017E3CA006 | ○ F017E4CA006 |
| ● F017E1CA033 | ● F017E2CA033 | ● F017E3CA033 | ● F017E4CA033 |
| 1-10V | 1-10V | 1-10V | 1-10V |
| ○ F017E1CB006 | ○ F017E2CB006 | ○ F017E3CB006 | ○ F017E4CB006 |
| ● F017E1CB033 | ● F017E2CB033 | ● F017E3CB033 | ● F017E4CB033 |
| Dali | Dali | Dali | Dali |
| ○ F017E1CD006 | ○ F017E2CD006 | ○ F017E3CD006 | ○ F017E4CD006 |
| ● F017E1CD033 | ● F017E2CD033 | ● F017E3CD033 | ● F017E4CD033 |



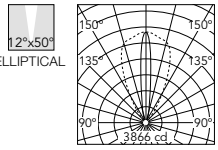

@3000K

| Beam Angle: | 46° | |
|---|---|---|
| h(m) | E(lx) | D(m) |
| 1 | 1511 | 0.85 |
| 2 | 378 | 1.71 |
| 3 | 168 | 2.56 |
| 4 | 94 | 3.42 |
| 5 | 60 | 4.27 |

### Optic Elliptical 12º x 50º

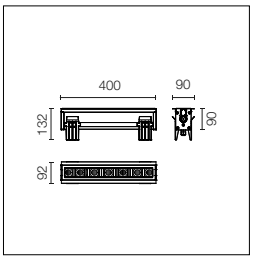
**Power Led:** 12,5W - LED 1304 lm ≠ OUTPUT 901 lm - 2200K/CRI 80 / 12,5W - LED 1352 lm ≠ OUTPUT 934 lm - 2700K/CRI 80 / 12,5W - LED 1449 lm ≠ OUTPUT 1001 lm - 3000K/CRI 80 / 12,5W - LED 1497 lm ≠ OUTPUT 1034 lm - 4000K/CRI 80

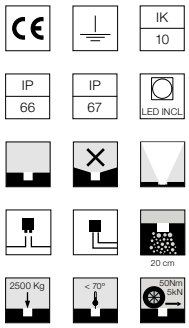
| 2200K | 2700K | 3000K | 4000K |
|---|---|---|---|
| Non Dimmable | Non Dimmable | Non Dimmable | Non Dimmable |
| ○ F017E1DA006 | ○ F017E2DA006 | ○ F017E3DA006 | ○ F017E4DA006 |
| ● F017E1DA033 | ● F017E2DA033 | ● F017E3DA033 | ● F017E4DA033 |
| 1-10V | 1-10V | 1-10V | 1-10V |
| ○ F017E1DB006 | ○ F017E2DB006 | ○ F017E3DB006 | ○ F017E4DB006 |
| ● F017E1DB033 | ● F017E2DB033 | ● F017E3DB033 | ● F017E4DB033 |
| Dali | Dali | Dali | Dali |
| ○ F017E1DD006 | ○ F017E2DD006 | ○ F017E3DD006 | ○ F017E4DD006 |
| ● F017E1DD033 | ● F017E2DD033 | ● F017E3DD033 | ● F017E4DD033 |




@3000K

| Beam Angle: | 12° | |
|---|---|---|
| h(m) | E(lx) | D(m) |
| 1 | 3866 | 0.22 |
| 2 | 966 | 0.44 |
| 3 | 430 | 0.66 |
| 4 | 242 | 0.87 |
| 5 | 155 | 1.09 |



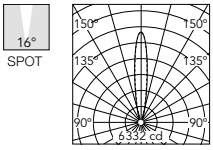

High-power LED source included and rear lenses equipped with anti-glare diffuser grille. 1-10V or DALI on-off and dimmable 220-240V power supply.
Compulsory installation box to be ordered separately.
Pre-wired with $H_2O$ Stop quick connectors, plug/socket included.
ACT (Anti-Corrosion Treatment) upon request.

Fuente LED de alta potencia incluida y ópticas retrocedidas equipadas con difusor de rejilla antideslumbrante. Alimentación 220-240 V on-off y regulable 1-10V y DALI.
La caja de montaje para la instalación obligatoria debe pedirse por separado.
Precableado con conectores rápidos $H_2O$ Stop toma/enchufe incluidos.
ACT (Anti Corrosion Treatment) bajo petición.

### Optic Spot 16º

**Power Led:** 12,5W - LED 1304 lm ≠ OUTPUT 702 lm - 2200K/CRI 80 / 12,5W - LED 1352 lm ≠ OUTPUT 728 lm - 2700K/CRI 80 / 12,5W - LED 1449 lm ≠ OUTPUT 780 lm - 3000K/CRI 80 / 12,5W - LED 1497 lm ≠ OUTPUT 806 lm - 4000K/CRI 80

| 2200K | 2700K | 3000K | 4000K |
|---|---|---|---|
| Non Dimmable | Non Dimmable | Non Dimmable | Non Dimmable |
| ○ F017E1HA006 | ○ F017E2HA006 | ○ F017E3HA006 | ○ F017E4HA006 |
| ● F017E1HA033 | ● F017E2HA033 | ● F017E3HA033 | ● F017E4HA033 |
| 1-10V | 1-10V | 1-10V | 1-10V |
| ○ F017E1HB006 | ○ F017E2HB006 | ○ F017E3HB006 | ○ F017E4HB006 |
| ● F017E1HB033 | ● F017E2HB033 | ● F017E3HB033 | ● F017E4HB033 |
| Dali | Dali | Dali | Dali |
| ○ F017E1HD006 | ○ F017E2HD006 | ○ F017E3HD006 | ○ F017E4HD006 |
| ● F017E1HD033 | ● F017E2HD033 | ● F017E3HD033 | ● F017E4HD033 |



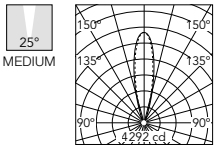

@3000K

| Beam Angle: | 16° | |
|---|---|---|
| h(m) | E(lx) | D(m) |
| 1 | 6332 | 0.28 |
| 2 | 1583 | 0.56 |
| 3 | 704 | 0.83 |
| 4 | 396 | 1.11 |
| 5 | 253 | 1.39 |

### Optic Medium 25º

**Power Led:** 12,5W - LED 1304 lm ≠ OUTPUT 744 lm - 2200K/CRI 80 / 12,5W - LED 1352 lm ≠ OUTPUT 772 lm - 2700K/CRI 80 / 12,5W - LED 1449 lm ≠ OUTPUT 827 lm - 3000K/CRI 80 / 12,5W - LED 1497 lm ≠ OUTPUT 854 lm - 4000K/CRI 80

| 2200K | 2700K | 3000K | 4000K |
|---|---|---|---|
| Non Dimmable | Non Dimmable | Non Dimmable | Non Dimmable |
| ○ F017E1JA006 | ○ F017E2JA006 | ○ F017E3JA006 | ○ F017E4JA006 |
| ● F017E1JA033 | ● F017E2JA033 | ● F017E3JA033 | ● F017E4JA033 |
| 1-10V | 1-10V | 1-10V | 1-10V |
| ○ F017E1JB006 | ○ F017E2JB006 | ○ F017E3JB006 | ○ F017E4JB006 |
| ● F017E1JB033 | ● F017E2JB033 | ● F017E3JB033 | ● F017E4JB033 |
| Dali | Dali | Dali | Dali |
| ○ F017E1JD006 | ○ F017E2JD006 | ○ F017E3JD006 | ○ F017E4JD006 |
| ● F017E1JD033 | ● F017E2JD033 | ● F017E3JD033 | ● F017E4JD033 |



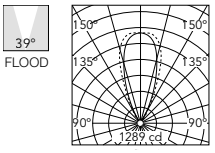

@3000K

| Beam Angle: | 25° | |
|---|---|---|
| h(m) | E(lx) | D(m) |
| 1 | 4292 | 0.44 |
| 2 | 1073 | 0.87 |
| 3 | 477 | 1.31 |
| 4 | 268 | 1.74 |
| 5 | 172 | 2.18 |

### Optic Flood 39º

**Power Led:** 12,5W - LED 1304 lm ≠ OUTPUT 576 lm - 2200K/CRI 80 / 12,5W - LED 1352 lm ≠ OUTPUT 597 lm - 2700K/CRI 80 / 12,5W - LED 1449 lm ≠ OUTPUT 639 lm - 3000K/CRI 80 / 12,5W - LED 1497 lm ≠ OUTPUT 661 lm - 4000K/CRI 80

| 2200K | 2700K | 3000K | 4000K |
|---|---|---|---|
| Non Dimmable | Non Dimmable | Non Dimmable | Non Dimmable |
| ○ F017E1KA006 | ○ F017E2KA006 | ○ F017E3KA006 | ○ F017E4KA006 |
| ● F017E1KA033 | ● F017E2KA033 | ● F017E3KA033 | ● F017E4KA033 |
| 1-10V | 1-10V | 1-10V | 1-10V |
| ○ F017E1KB006 | ○ F017E2KB006 | ○ F017E3KB006 | ○ F017E4KB006 |
| ● F017E1KB033 | ● F017E2KB033 | ● F017E3KB033 | ● F017E4KB033 |
| Dali | Dali | Dali | Dali |
| ○ F017E1KD006 | ○ F017E2KD006 | ○ F017E3KD006 | ○ F017E4KD006 |
| ● F017E1KD033 | ● F017E2KD033 | ● F017E3KD033 | ● F017E4KD033 |



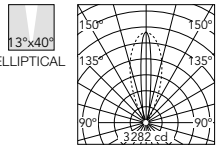

@3000K

| Beam Angle: | 39° | |
|---|---|---|
| h(m) | E(lx) | D(m) |
| 1 | 1285 | 0.71 |
| 2 | 321 | 1.43 |
| 3 | 143 | 2.14 |
| 4 | 80 | 2.86 |
| 5 | 51 | 3.57 |

### Optic Elliptical 13º x 40º

**Power Led:** 12,5W - LED 1304 lm ≠ OUTPUT 574 lm - 2200K/CRI 80 / 12,5W - LED 1352 lm ≠ OUTPUT 595 lm - 2700K/CRI 80 / 12,5W - LED 1449 lm ≠ OUTPUT 638 lm - 3000K/CRI 80 / 12,5W - LED 1497 lm ≠ OUTPUT 659 lm - 4000K/CRI 80

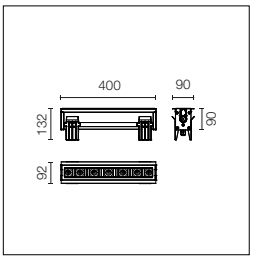
| 2200K | 2700K | 3000K | 4000K |
|---|---|---|---|
| Non Dimmable | Non Dimmable | Non Dimmable | Non Dimmable |
| ○ F017E1LA006 | ○ F017E2LA006 | ○ F017E3LA006 | ○ F017E4LA006 |
| ● F017E1LA033 | ● F017E2LA033 | ● F017E3LA033 | ● F017E4LA033 |
| 1-10V | 1-10V | 1-10V | 1-10V |
| ○ F017E1LB006 | ○ F017E2LB006 | ○ F017E3LB006 | ○ F017E4LB006 |
| ● F017E1LB033 | ● F017E2LB033 | ● F017E3LB033 | ● F017E4LB033 |
| Dali | Dali | Dali | Dali |
| ○ F017E1LD006 | ○ F017E2LD006 | ○ F017E3LD006 | ○ F017E4LD006 |
| ● F017E1LD033 | ● F017E2LD033 | ● F017E3LD033 | ● F017E4LD033 |

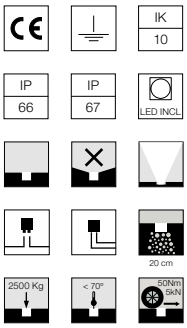



@3000K

| Beam Angle: | 13° | |
|---|---|---|
| h(m) | E(lx) | D(m) |
| 1 | 3282 | 0.22 |
| 2 | 820 | 0.44 |
| 3 | 365 | 0.67 |
| 4 | 205 | 0.89 |
| 5 | 131 | 1.11 |

## Ingraze Adjustable Frame + Asymmetric Louvre L 400



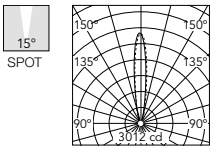

High-power LED source included and rear lenses equipped with anti-glare asymmetrical diffuser grille.
1-10V or DALI on-off and dimmable 220-240V power supply.
Compulsory installation box to be ordered separately.
Pre-wired with $H_2O$ Stop quick connectors, plug/socket included.
ACT (Anti-Corrosion Treatment) upon request.

Fuente LED de alta potencia incluida y ópticas retrocedidas equipadas con difusor de rejilla asimétrico antideslumbrante.
Alimentación 220-240 V on-off y regulable 1-10V y DALI.
La caja de montaje para la instalación obligatoria debe pedirse por separado.
Precableado con conectores rápidos $H_2O$ Stop toma/enchufe incluidos.
ACT (Anti Corrosion Treatment) bajo petición.

### Optic Spot 15º

**Power Led:** 12,5W - LED 1304 lm ≠ OUTPUT 334 lm - 2200K/CRI 80 / 12,5W - LED 1352 lm ≠ OUTPUT 346 lm - 2700K/CRI 80 / 12,5W - LED 1449 lm ≠ OUTPUT 371 lm - 3000K/CRI 80 / 12,5W - LED 1497 lm ≠ OUTPUT 383 lm - 4000K/CRI 80

| 2200K | 2700K | 3000K | 4000K |
|---|---|---|---|
| Non Dimmable | Non Dimmable | Non Dimmable | Non Dimmable |
| ● F017E1QA006 | ● F017E2QA006 | ● F017E3QA006 | ● F017E4QA006 |
| ● F017E1QA033 | ● F017E2QA033 | ● F017E3QA033 | ● F017E4QA033 |
| 1-10V | 1-10V | 1-10V | 1-10V |
| ● F017E1QB006 | ● F017E2QB006 | ● F017E3QB006 | ● F017E4QB006 |
| ● F017E1QB033 | ● F017E2QB033 | ● F017E3QB033 | ● F017E4QB033 |
| Dali | Dali | Dali | Dali |
| ● F017E1QD006 | ● F017E2QD006 | ● F017E3QD006 | ● F017E4QD006 |
| ● F017E1QD033 | ● F017E2QD033 | ● F017E3QD033 | ● F017E4QD033 |




@3000K

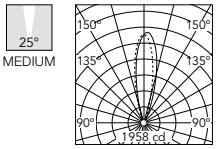
Beam Angle: 15°

| h(m) | E(lx) | D(m) |
|---|---|---|
| 1 | 3010 | 0.25 |
| 2 | 753 | 0.51 |
| 3 | 334 | 0.76 |
| 4 | 188 | 1.02 |
| 5 | 120 | 1.27 |

### Optic Medium 25º

**Power Led:** 12,5W - LED 1304 lm ≠ OUTPUT 353 lm - 2200K/CRI 80 / 12,5W - LED 1352 lm ≠ OUTPUT 367 lm - 2700K/CRI 80 / 12,5W - LED 1449 lm ≠ OUTPUT 393 lm - 3000K/CRI 80 / 12,5W - LED 1497 lm ≠ OUTPUT 406 lm - 4000K/CRI 80

| 2200K | 2700K | 3000K | 4000K |
|---|---|---|---|
| Non Dimmable | Non Dimmable | Non Dimmable | Non Dimmable |
| ● F017E1RA006 | ● F017E2RA006 | ● F017E3RA006 | ● F017E4RA006 |
| ● F017E1RA033 | ● F017E2RA033 | ● F017E3RA033 | ● F017E4RA033 |
| 1-10V | 1-10V | 1-10V | 1-10V |
| ● F017E1RB006 | ● F017E2RB006 | ● F017E3RB006 | ● F017E4RB006 |
| ● F017E1RB033 | ● F017E2RB033 | ● F017E3RB033 | ● F017E4RB033 |
| Dali | Dali | Dali | Dali |
| ● F017E1RD006 | ● F017E2RD006 | ● F017E3RD006 | ● F017E4RD006 |
| ● F017E1RD033 | ● F017E2RD033 | ● F017E3RD033 | ● F017E4RD033 |




@3000K

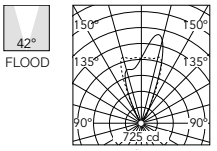
Beam Angle: 25°

| h(m) | E(lx) | D(m) |
|---|---|---|
| 1 | 1955 | 0.45 |
| 2 | 489 | 0.89 |
| 3 | 217 | 1.34 |
| 4 | 122 | 1.78 |
| 5 | 78 | 2.23 |

### Optic Flood 42º

**Power Led:** 12,5W - LED 1304 lm ≠ OUTPUT 620 lm - 2200K/CRI 80 / 12,5W - LED 1352 lm ≠ OUTPUT 294 lm - 2700K/CRI 80 / 12,5W - LED 1449 lm ≠ OUTPUT 314 lm - 3000K/CRI 80 / 12,5W - LED 1497 lm ≠ OUTPUT 325 lm - 4000K/CRI 80

| 2200K | 2700K | 3000K | 4000K |
|---|---|---|---|
| Non Dimmable | Non Dimmable | Non Dimmable | Non Dimmable |
| ● F017E1SA006 | ● F017E2SA006 | ● F017E3SA006 | ● F017E4SA006 |
| ● F017E1SA033 | ● F017E2SA033 | ● F017E3SA033 | ● F017E4SA033 |
| 1-10V | 1-10V | 1-10V | 1-10V |
| ● F017E1SB006 | ● F017E2SB006 | ● F017E3SB006 | ● F017E4SB006 |
| ● F017E1SB033 | ● F017E2SB033 | ● F017E3SB033 | ● F017E4SB033 |
| Dali | Dali | Dali | Dali |
| ● F017E1SD006 | ● F017E2SD006 | ● F017E3SD006 | ● F017E4SD006 |
| ● F017E1SD033 | ● F017E2SD033 | ● F017E3SD033 | ● F017E4SD033 |




@3000K

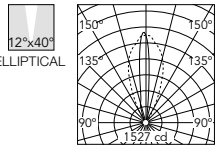
Beam Angle: 42°

| h(m) | E(lx) | D(m) |
|---|---|---|
| 1 | 688 | 0.76 |
| 2 | 172 | 1.51 |
| 3 | 76 | 2.27 |
| 4 | 43 | 3.03 |
| 5 | 28 | 3.78 |

### Optic Elliptical 12º x 40º

**Power Led:** 12,5W - LED 1304 lm ≠ OUTPUT 271 lm - 2200K/CRI 80 / 12,5W - LED 1352 lm ≠ OUTPUT 281 lm - 2700K/CRI 80 / 12,5W - LED 1449 lm ≠ OUTPUT 301 lm - 3000K/CRI 80 / 12,5W - LED 1497 lm ≠ OUTPUT 311 lm - 4000K/CRI 80

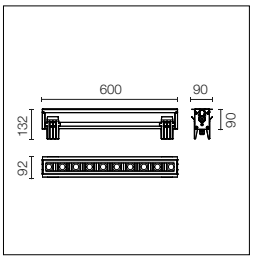
| 2200K | 2700K | 3000K | 4000K |
|---|---|---|---|
| Non Dimmable | Non Dimmable | Non Dimmable | Non Dimmable |
| ● F017E1TA006 | ● F017E2TA006 | ● F017E3TA006 | ● F017E4TA006 |
| ● F017E1TA033 | ● F017E2TA033 | ● F017E3TA033 | ● F017E4TA033 |
| 1-10V | 1-10V | 1-10V | 1-10V |
| ● F017E1TB006 | ● F017E2TB006 | ● F017E3TB006 | ● F017E4TB006 |
| ● F017E1TB033 | ● F017E2TB033 | ● F017E3TB033 | ● F017E4TB033 |
| Dali | Dali | Dali | Dali |
| ● F017E1TD006 | ● F017E2TD006 | ● F017E3TD006 | ● F017E4TD006 |
| ● F017E1TD033 | ● F017E2TD033 | ● F017E3TD033 | ● F017E4TD033 |

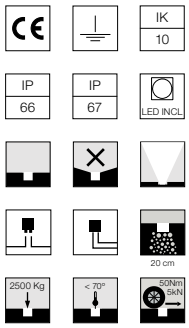



@3000K

Beam Angle: 12°

| h(m) | E(lx) | D(m) |
|---|---|---|
| 1 | 1526 | 0.21 |
| 2 | 382 | 0.42 |
| 3 | 170 | 0.62 |
| 4 | 95 | 0.83 |
| 5 | 61 | 1.04 |



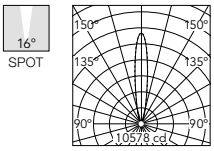

High-power LED source included and rear lenses. 1-10V or DALI on-off and dimmable 220-240V power supply.
Compulsory installation box to be ordered separately.
Pre-wired with $H_2O$ Stop quick connectors, plug/socket included.
ACT (Anti-Corrosion Treatment) upon request.

Fuente LED de alta potencia incluida y ópticas retrocedidas.
Alimentación 220-240 V on-off y regulable 1-10V y DALI.
La caja de montaje para la instalación obligatoria debe pedirse por separado.
Precableado con conectores rápidos $H_2O$ Stop toma/enchufe incluidos.
ACT (Anti Corrosion Treatment) bajo petición.

### Optic Spot 16º

**Power Led:** 17W - LED 1863 lm ≠ OUTPUT 1368 lm - 2200K/CRI 80 / 17W - LED 1932 lm ≠ OUTPUT 1419 lm - 2700K/CRI 80 / 17W - LED 2070 lm ≠ OUTPUT 1520 lm - 3000K/CRI 80 / 17W - LED 2139 lm ≠ OUTPUT 1571 lm - 4000K/CRI 80

| 2200K | 2700K | 3000K | 4000K |
|---|---|---|---|
| Non Dimmable | Non Dimmable | Non Dimmable | Non Dimmable |
| ● F017F1AA006 | ● F017F2AA006 | ● F017F3AA006 | ● F017F4AA006 |
| ● F017F1AA033 | ● F017F2AA033 | ● F017F3AA033 | ● F017F4AA033 |
| 1-10V | 1-10V | 1-10V | 1-10V |
| ● F017F1AB006 | ● F017F2AB006 | ● F017F3AB006 | ● F017F4AB006 |
| ● F017F1AB033 | ● F017F2AB033 | ● F017F3AB033 | ● F017F4AB033 |
| Dali | Dali | Dali | Dali |
| ● F017F1AD006 | ● F017F2AD006 | ● F017F3AD006 | ● F017F4AD006 |
| ● F017F1AD033 | ● F017F2AD033 | ● F017F3AD033 | ● F017F4AD033 |




@3000K

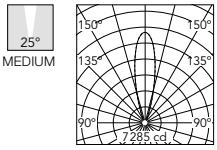
Beam Angle: 16°

| h(m) | E(lx) | D(m) |
|---|---|---|
| 1 | 10578 | 0.27 |
| 2 | 2644 | 0.55 |
| 3 | 1175 | 0.82 |
| 4 | 661 | 1.09 |
| 5 | 423 | 1.37 |

### Optic Medium 25º

**Power Led:** 17W - LED 1863 lm ≠ OUTPUT 1473 lm - 2200K/CRI 80 / 17W - LED 1932 lm ≠ OUTPUT 1527 lm - 2700K/CRI 80 / 17W - LED 2070 lm ≠ OUTPUT 1636 lm - 3000K/CRI 80 / 17W - LED 2139 lm ≠ OUTPUT 1691 lm - 4000K/CRI 80

| 2200K | 2700K | 3000K | 4000K |
|---|---|---|---|
| Non Dimmable | Non Dimmable | Non Dimmable | Non Dimmable |
| ● F017F1BA006 | ● F017F2BA006 | ● F017F3BA006 | ● F017F4BA006 |
| ● F017F1BA033 | ● F017F2BA033 | ● F017F3BA033 | ● F017F4BA033 |
| 1-10V | 1-10V | 1-10V | 1-10V |
| ● F017F1BB006 | ● F017F2BB006 | ● F017F3BB006 | ● F017F4BB006 |
| ● F017F1BB033 | ● F017F2BB033 | ● F017F3BB033 | ● F017F4BB033 |
| Dali | Dali | Dali | Dali |
| ● F017F1BD006 | ● F017F2BD006 | ● F017F3BD006 | ● F017F4BD006 |
| ● F017F1BD033 | ● F017F2BD033 | ● F017F3BD033 | ● F017F4BD033 |




@3000K

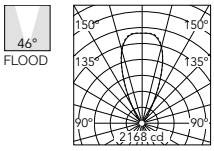
Beam Angle: 25°

| h(m) | E(lx) | D(m) |
|---|---|---|
| 1 | 7285 | 0.44 |
| 2 | 1821 | 0.88 |
| 3 | 809 | 1.32 |
| 4 | 455 | 1.76 |
| 5 | 291 | 2.20 |

### Optic Flood 46º

**Power Led:** 17W - LED 1863 lm ≠ OUTPUT 1283 lm - 2200K/CRI 80 / 17W - LED 1932 lm ≠ OUTPUT 1330 lm - 2700K/CRI 80 / 17W - LED 2070 lm ≠ OUTPUT 1425 lm - 3000K/CRI 80 / 17W - LED 2139 lm ≠ OUTPUT 1473 lm - 4000K/CRI 80

| 2200K | 2700K | 3000K | 4000K |
|---|---|---|---|
| Non Dimmable | Non Dimmable | Non Dimmable | Non Dimmable |
| ● F017F1CA006 | ● F017F2CA006 | ● F017F3CA006 | ● F017F4CA006 |
| ● F017F1CA033 | ● F017F2CA033 | ● F017F3CA033 | ● F017F4CA033 |
| 1-10V | 1-10V | 1-10V | 1-10V |
| ● F017F1CB006 | ● F017F2CB006 | ● F017F3CB006 | ● F017F4CB006 |
| ● F017F1CB033 | ● F017F2CB033 | ● F017F3CB033 | ● F017F4CB033 |
| Dali | Dali | Dali | Dali |
| ● F017F1CD006 | ● F017F2CD006 | ● F017F3CD006 | ● F017F4CD006 |
| ● F017F1CD033 | ● F017F2CD033 | ● F017F3CD033 | ● F017F4CD033 |




@3000K

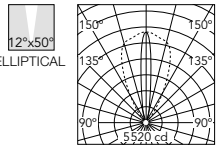
Beam Angle: 46°

| h(m) | E(lx) | D(m) |
|---|---|---|
| 1 | 2158 | 0.85 |
| 2 | 539 | 1.71 |
| 3 | 240 | 2.56 |
| 4 | 135 | 3.42 |
| 5 | 86 | 4.27 |

### Optic Elliptical 12º x 50º

**Power Led:** 17W - LED 1863 lm ≠ OUTPUT 1286 lm - 2200K/CRI 80 / 17W - LED 1932 lm ≠ OUTPUT 1334 lm - 2700K/CRI 80 / 17W - LED 2070 lm ≠ OUTPUT 1429 lm - 3000K/CRI 80 / 17W - LED 2139 lm ≠ OUTPUT 1477 lm - 4000K/CRI 80

| 2200K | 2700K | 3000K | 4000K |
|---|---|---|---|
| Non Dimmable | Non Dimmable | Non Dimmable | Non Dimmable |
| ● F017F1DA006 | ● F017F2DA006 | ● F017F3DA006 | ● F017F4DA006 |
| ● F017F1DA033 | ● F017F2DA033 | ● F017F3DA033 | ● F017F4DA033 |
| 1-10V | 1-10V | 1-10V | 1-10V |
| ● F017F1DB006 | ● F017F2DB006 | ● F017F3DB006 | ● F017F4DB006 |
| ● F017F1DB033 | ● F017F2DB033 | ● F017F3DB033 | ● F017F4DB033 |
| Dali | Dali | Dali | Dali |
| ● F017F1DD006 | ● F017F2DD006 | ● F017F3DD006 | ● F017F4DD006 |
| ● F017F1DD033 | ● F017F2DD033 | ● F017F3DD033 | ● F017F4DD033 |

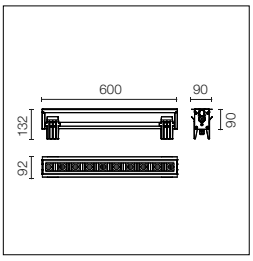


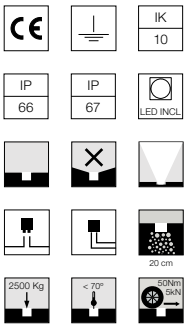

@3000K

Beam Angle: 12°

| h(m) | E(lx) | D(m) |
|---|---|---|
| 1 | 5519 | 0.22 |
| 2 | 1380 | 0.44 |
| 3 | 613 | 0.66 |
| 4 | 345 | 0.87 |
| 5 | 221 | 1.09 |

## Ingraze Adjustable Frame + Linear Louvre L 600



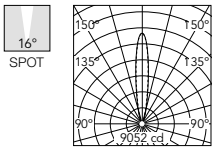

High-power LED source included and rear lenses equipped with anti-glare diffuser grille. 1-10V or DALI on-off and dimmable 220-240V power supply.
Compulsory installation box to be ordered separately.
Pre-wired with $H_2O$ Stop quick connectors, plug/socket included.
ACT (Anti-Corrosion Treatment) upon request.

Fuente LED de alta potencia incluida y ópticas retrocedidas equipadas con difusor de rejilla antideslumbrante. Alimentación 220-240 V on-off y regulable 1-10V y DALI.
La caja de montaje para la instalación obligatoria debe pedirse por separado.
Precableado con conectores rápidos $H_2O$ Stop toma/enchufe incluidos.
ACT (Anti Corrosion Treatment) bajo petición.

### Optic Spot 16º

**Power Led:** 17W - LED 1863 lm ≠ OUTPUT 1003 lm - 2200K/CRI 80 / 17W - LED 1932 lm ≠ OUTPUT 1040 lm - 2700K/CRI 80 / 17W - LED 2070 lm ≠ OUTPUT 1115 lm - 3000K/CRI 80 / 17W - LED 2139 lm ≠ OUTPUT 1152 lm - 4000K/CRI 80

| 2200K | 2700K | 3000K | 4000K |
|---|---|---|---|
| Non Dimmable | Non Dimmable | Non Dimmable | Non Dimmable |
| ○ F017F1HA006 | ○ F017F2HA006 | ○ F017F3HA006 | ○ F017F4HA006 |
| ● F017F1HA033 | ● F017F2HA033 | ● F017F3HA033 | ● F017F4HA033 |
| 1-10V | 1-10V | 1-10V | 1-10V |
| ○ F017F1HB006 | ○ F017F2HB006 | ○ F017F3HB006 | ○ F017F4HB006 |
| ● F017F1HB033 | ● F017F2HB033 | ● F017F3HB033 | ● F017F4HB033 |
| Dali | Dali | Dali | Dali |
| ○ F017F1HD006 | ○ F017F2HD006 | ○ F017F3HD006 | ○ F017F4HD006 |
| ● F017F1HD033 | ● F017F2HD033 | ● F017F3HD033 | ● F017F4HD033 |



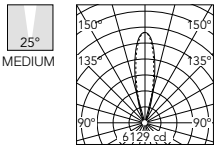

@3000K

| Beam Angle: | 16° | |
|---|---|---|
| h(m) | E(lx) | D(m) |
| 1 | 9052 | 0.28 |
| 2 | 2263 | 0.56 |
| 3 | 1006 | 0.83 |
| 4 | 566 | 1.11 |
| 5 | 362 | 1.39 |

### Optic Medium 25º

**Power Led:** 17W - LED 1863 lm ≠ OUTPUT 1063 lm - 2200K/CRI 80 / 17W - LED 1932 lm ≠ OUTPUT 1102 lm - 2700K/CRI 80 / 17W - LED 2070 lm ≠ OUTPUT 1181 lm - 3000K/CRI 80 / 17W - LED 2139 lm ≠ OUTPUT 1220 lm - 4000K/CRI 80

| 2200K | 2700K | 3000K | 4000K |
|---|---|---|---|
| Non Dimmable | Non Dimmable | Non Dimmable | Non Dimmable |
| ○ F017F1JA006 | ○ F017F2JA006 | ○ F017F3JA006 | ○ F017F4JA006 |
| ● F017F1JA033 | ● F017F2JA033 | ● F017F3JA033 | ● F017F4JA033 |
| 1-10V | 1-10V | 1-10V | 1-10V |
| ○ F017F1JB006 | ○ F017F2JB006 | ○ F017F3JB006 | ○ F017F4JB006 |
| ● F017F1JB033 | ● F017F2JB033 | ● F017F3JB033 | ● F017F4JB033 |
| Dali | Dali | Dali | Dali |
| ○ F017F1JD006 | ○ F017F2JD006 | ○ F017F3JD006 | ○ F017F4JD006 |
| ● F017F1JD033 | ● F017F2JD033 | ● F017F3JD033 | ● F017F4JD033 |



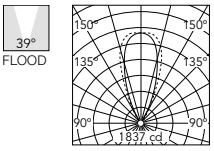

@3000K

| Beam Angle: | 25° | |
|---|---|---|
| h(m) | E(lx) | D(m) |
| 1 | 6129 | 0.44 |
| 2 | 1532 | 0.87 |
| 3 | 681 | 1.31 |
| 4 | 383 | 1.74 |
| 5 | 245 | 2.18 |

### Optic Flood 39º

**Power Led:** 17W - LED 1863 lm ≠ OUTPUT 820 lm - 2200K/CRI 80 / 17W - LED 1932 lm ≠ OUTPUT 850 lm - 2700K/CRI 80 / 17W - LED 2070 lm ≠ OUTPUT 911 lm - 3000K/CRI 80 / 17W - LED 2139 lm ≠ OUTPUT 944 lm - 4000K/CRI 80

| 2200K | 2700K | 3000K | 4000K |
|---|---|---|---|
| Non Dimmable | Non Dimmable | Non Dimmable | Non Dimmable |
| ○ F017F1KA006 | ○ F017F2KA006 | ○ F017F3KA006 | ○ F017F4KA006 |
| ● F017F1KA033 | ● F017F2KA033 | ● F017F3KA033 | ● F017F4KA033 |
| 1-10V | 1-10V | 1-10V | 1-10V |
| ○ F017F1KB006 | ○ F017F2KB006 | ○ F017F3KB006 | ○ F017F4KB006 |
| ● F017F1KB033 | ● F017F2KB033 | ● F017F3KB033 | ● F017F4KB033 |
| Dali | Dali | Dali | Dali |
| ○ F017F1KD006 | ○ F017F2KD006 | ○ F017F3KD006 | ○ F017F4KD006 |
| ● F017F1KD033 | ● F017F2KD033 | ● F017F3KD033 | ● F017F4KD033 |



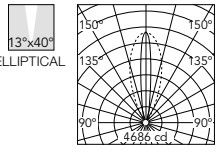

@3000K

| Beam Angle: | 39° | |
|---|---|---|
| h(m) | E(lx) | D(m) |
| 1 | 1832 | 0.71 |
| 2 | 458 | 1.43 |
| 3 | 204 | 2.14 |
| 4 | 115 | 2.86 |
| 5 | 73 | 3.57 |

### Optic Elliptical 13º x 40º

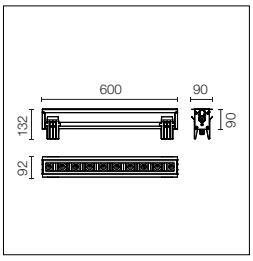
**Power Led:** 17W - LED 1863 lm ≠ OUTPUT 820 lm - 2200K/CRI 80 / 17W - LED 1932 lm ≠ OUTPUT 850 lm - 2700K/CRI 80 / 17W - LED 2070 lm ≠ OUTPUT 911 lm - 3000K/CRI 80 / 17W - LED 2139 lm ≠ OUTPUT 941 lm - 4000K/CRI 80

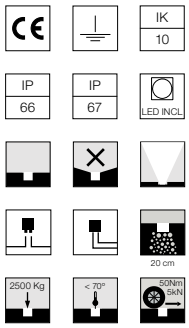
| 2200K | 2700K | 3000K | 4000K |
|---|---|---|---|
| Non Dimmable | Non Dimmable | Non Dimmable | Non Dimmable |
| ○ F017F1LA006 | ○ F017F2LA006 | ○ F017F3LA006 | ○ F017F4LA006 |
| ● F017F1LA033 | ● F017F2LA033 | ● F017F3LA033 | ● F017F4LA033 |
| 1-10V | 1-10V | 1-10V | 1-10V |
| ○ F017F1LB006 | ○ F017F2LB006 | ○ F017F3LB006 | ○ F017F4LB006 |
| ● F017F1LB033 | ● F017F2LB033 | ● F017F3LB033 | ● F017F4LB033 |
| Dali | Dali | Dali | Dali |
| ○ F017F1LD006 | ○ F017F2LD006 | ○ F017F3LD006 | ○ F017F4LD006 |
| ● F017F1LD033 | ● F017F2LD033 | ● F017F3LD033 | ● F017F4LD033 |




@3000K

| Beam Angle: | 13° | |
|---|---|---|
| h(m) | E(lx) | D(m) |
| 1 | 4686 | 0.22 |
| 2 | 1172 | 0.44 |
| 3 | 521 | 0.67 |
| 4 | 293 | 0.89 |
| 5 | 187 | 1.11 |




High-power LED source included and rear lenses equipped with anti-glare asymmetrical diffuser grille.
1-10V or DALI on-off and dimmable 220-240V power supply.
Compulsory installation box to be ordered separately.
Pre-wired with $H_2O$ Stop quick connectors, plug/socket included.
ACT (Anti-Corrosion Treatment) upon request.

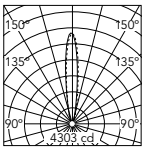
Fuente LED de alta potencia incluida y ópticas retrocedidas equipadas con difusor de rejilla asimétrico antideslumbrante.
Alimentación 220-240 V on-off y regulable 1-10V y DALI.
La caja de montaje para la instalación obligatoria debe pedirse por separado.
Precableado con conectores rápidos $H_2O$ Stop toma/enchufe incluidos.
ACT (Anti Corrosion Treatment) bajo petición.

### Optic Spot 15º

**Power Led:** 17W - LED 1863 lm ≠ OUTPUT 477 lm - 2200K/CRI 80 / 17W - LED 1932 lm ≠ OUTPUT 495 lm - 2700K/CRI 80 / 17W - LED 2070 lm ≠ OUTPUT 530 lm - 3000K/CRI 80 / 17W - LED 2139 lm ≠ OUTPUT 548 lm - 4000K/CRI 80

| 2200K | 2700K | 3000K | 4000K |
|---|---|---|---|
| Non Dimmable | Non Dimmable | Non Dimmable | Non Dimmable |
| ● F017F1QA006 | ● F017F2QA006 | ● F017F3QA006 | ● F017F4QA006 |
| ● F017F1QA033 | ● F017F2QA033 | ● F017F3QA033 | ● F017F4QA033 |
| 1-10V | 1-10V | 1-10V | 1-10V |
| ● F017F1QB006 | ● F017F2QB006 | ● F017F3QB006 | ● F017F4QB006 |
| ● F017F1QB033 | ● F017F2QB033 | ● F017F3QB033 | ● F017F4QB033 |
| Dali | Dali | Dali | Dali |
| ● F017F1QD006 | ● F017F2QD006 | ● F017F3QD006 | ● F017F4QD006 |
| ● F017F1QD033 | ● F017F2QD033 | ● F017F3QD033 | ● F017F4QD033 |

15°
SPOT




@3000K

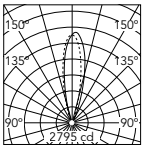
| Beam Angle: | | 15° |
|---|---|---|
| h(m) | E(lx) | D(m) |
| 1 | 4300 | 0.25 |
| 2 | 1075 | 0.51 |
| 3 | 478 | 0.76 |
| 4 | 269 | 1.02 |
| 5 | 172 | 1.27 |

### Optic Medium 25º

**Power Led:** 17W - LED 1863 lm ≠ OUTPUT 505 lm - 2200K/CRI 80 / 17W - LED 1932 lm ≠ OUTPUT 523 lm - 2700K/CRI 80 / 17W - LED 2070 lm ≠ OUTPUT 561 lm - 3000K/CRI 80 / 17W - LED 2139 lm ≠ OUTPUT 579 lm - 4000K/CRI 80

| 2200K | 2700K | 3000K | 4000K |
|---|---|---|---|
| Non Dimmable | Non Dimmable | Non Dimmable | Non Dimmable |
| ● F017F1RA006 | ● F017F2RA006 | ● F017F3RA006 | ● F017F4RA006 |
| ● F017F1RA033 | ● F017F2RA033 | ● F017F3RA033 | ● F017F4RA033 |
| 1-10V | 1-10V | 1-10V | 1-10V |
| ● F017F1RB006 | ● F017F2RB006 | ● F017F3RB006 | ● F017F4RB006 |
| ● F017F1RB033 | ● F017F2RB033 | ● F017F3RB033 | ● F017F4RB033 |
| Dali | Dali | Dali | Dali |
| ● F017F1RD006 | ● F017F2RD006 | ● F017F3RD006 | ● F017F4RD006 |
| ● F017F1RD033 | ● F017F2RD033 | ● F017F3RD033 | ● F017F4RD033 |

25°
MEDIUM




@3000K

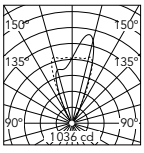
| Beam Angle: | | 25° |
|---|---|---|
| h(m) | E(lx) | D(m) |
| 1 | 2790 | 0.45 |
| 2 | 698 | 0.89 |
| 3 | 310 | 1.34 |
| 4 | 174 | 1.78 |
| 5 | 112 | 2.23 |

### Optic Flood 42º

**Power Led:** 17W - LED 1863 lm ≠ OUTPUT 404 lm - 2200K/CRI 80 / 17W - LED 1932 lm ≠ OUTPUT 419 lm - 2700K/CRI 80 / 17W - LED 2070 lm ≠ OUTPUT 449 lm - 3000K/CRI 80 / 17W - LED 2139 lm ≠ OUTPUT 464 lm - 4000K/CRI 80

| 2200K | 2700K | 3000K | 4000K |
|---|---|---|---|
| Non Dimmable | Non Dimmable | Non Dimmable | Non Dimmable |
| ● F017F1SA006 | ● F017F2SA006 | ● F017F3SA006 | ● F017F4SA006 |
| ● F017F1SA033 | ● F017F2SA033 | ● F017F3SA033 | ● F017F4SA033 |
| 1-10V | 1-10V | 1-10V | 1-10V |
| ● F017F1SB006 | ● F017F2SB006 | ● F017F3SB006 | ● F017F4SB006 |
| ● F017F1SB033 | ● F017F2SB033 | ● F017F3SB033 | ● F017F4SB033 |
| Dali | Dali | Dali | Dali |
| ● F017F1SD006 | ● F017F2SD006 | ● F017F3SD006 | ● F017F4SD006 |
| ● F017F1SD033 | ● F017F2SD033 | ● F017F3SD033 | ● F017F4SD033 |

42°
FLOOD




@3000K

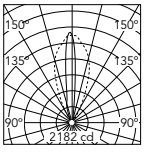
| Beam Angle: | | 42° |
|---|---|---|
| h(m) | E(lx) | D(m) |
| 1 | 983 | 0.76 |
| 2 | 246 | 1.51 |
| 3 | 109 | 2.27 |
| 4 | 61 | 3.03 |
| 5 | 39 | 3.78 |

### Optic Elliptical 12º x 40º

**Power Led:** 17W - LED 1863 lm ≠ OUTPUT 387 lm - 2200K/CRI 80 / 17W - LED 1932 lm ≠ OUTPUT 401 lm - 2700K/CRI 80 / 17W - LED 2070 lm ≠ OUTPUT 430 lm - 3000K/CRI 80 / 17W - LED 2139 lm ≠ OUTPUT 444 lm - 4000K/CRI 80

| 2200K | 2700K | 3000K | 4000K |
|---|---|---|---|
| Non Dimmable | Non Dimmable | Non Dimmable | Non Dimmable |
| ● F017F1TA006 | ● F017F2TA006 | ● F017F3TA006 | ● F017F4TA006 |
| ● F017F1TA033 | ● F017F2TA033 | ● F017F3TA033 | ● F017F4TA033 |
| 1-10V | 1-10V | 1-10V | 1-10V |
| ● F017F1TB006 | ● F017F2TB006 | ● F017F3TB006 | ● F017F4TB006 |
| ● F017F1TB033 | ● F017F2TB033 | ● F017F3TB033 | ● F017F4TB033 |
| Dali | Dali | Dali | Dali |
| ● F017F1TD006 | ● F017F2TD006 | ● F017F3TD006 | ● F017F4TD006 |
| ● F017F1TD033 | ● F017F2TD033 | ● F017F3TD033 | ● F017F4TD033 |

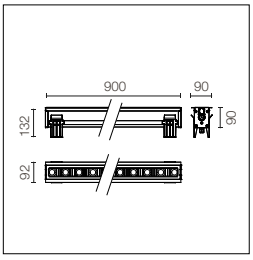
12°x40°
ELLIPTICAL

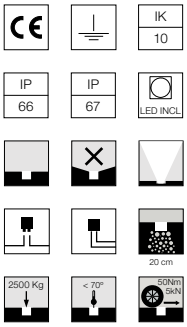



@3000K

| Beam Angle: | | 12° |
|---|---|---|
| h(m) | E(lx) | D(m) |
| 1 | 2181 | 0.21 |
| 2 | 545 | 0.42 |
| 3 | 242 | 0.62 |
| 4 | 136 | 0.83 |
| 5 | 87 | 1.04 |

## Ingraze Adjustable Frame L 900



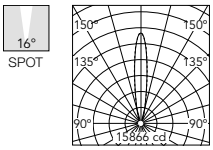

High-power LED source included and rear lenses. 1-10V or DALI on-off and dimmable 220-240V power supply.
Compulsory installation box to be ordered separately.
Pre-wired with $H_2O$ Stop quick connectors, plug/socket included.
ACT (Anti-Corrosion Treatment) upon request.

Fuente LED de alta potencia incluida y ópticas retrocedidas.
Alimentación 220-240 V on-off y regulable 1-10V y DALI.
La caja de montaje para la instalación obligatoria debe pedirse por separado.
Precableado con conectores rápidos $H_2O$ Stop toma/enchufe incluidos.
ACT (Anti Corrosion Treatment) bajo petición.

### Optic Spot 16º

**Power Led:** 26W - LED 2795 lm ≠ OUTPUT 2052 lm - 2200K/CRI 80 / 26W - LED 2898 lm ≠ OUTPUT 2128 lm - 2700K/CRI 80 / 26W - LED 3105 lm ≠ OUTPUT 2454 lm - 3000K/CRI 80 / 26W - LED 3209 lm ≠ OUTPUT 2536 lm - 4000K/CRI 80

| 2200K | 2700K | 3000K | 4000K |
|---|---|---|---|
| Non Dimmable | Non Dimmable | Non Dimmable | Non Dimmable |
| ○ F017G1AA006 | ○ F017G2AA006 | ○ F017G3AA006 | ○ F017G4AA006 |
| ● F017G1AA033 | ● F017G2AA033 | ● F017G3AA033 | ● F017G4AA033 |
| 1-10V | 1-10V | 1-10V | 1-10V |
| ○ F017G1AB006 | ○ F017G2AB006 | ○ F017G3AB006 | ○ F017G4AB006 |
| ● F017G1AB033 | ● F017G2AB033 | ● F017G3AB033 | ● F017G4AB033 |
| Dali | Dali | Dali | Dali |
| ○ F017G1AD006 | ○ F017G2AD006 | ○ F017G3AD006 | ○ F017G4AD006 |
| ● F017G1AD033 | ● F017G2AD033 | ● F017G3AD033 | ● F017G4AD033 |




@3000K

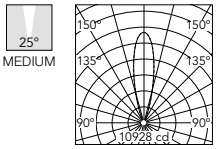
Beam Angle: 16°

| h(m) | E(lx) | D(m) |
|---|---|---|
| 1 | 15866 | 0.27 |
| 2 | 3967 | 0.55 |
| 3 | 1763 | 0.82 |
| 4 | 992 | 1.09 |
| 5 | 635 | 1.37 |

### Optic Medium 25º

**Power Led:** 26W - LED 2795 lm ≠ OUTPUT 2209 lm - 2200K/CRI 80 / 26W - LED 2898 lm ≠ OUTPUT 2291 lm - 2700K/CRI 80 / 26W - LED 3105 lm ≠ OUTPUT 2280 lm - 3000K/CRI 80 / 26W - LED 3209 lm ≠ OUTPUT 2536 lm - 4000K/CRI 80

| 2200K | 2700K | 3000K | 4000K |
|---|---|---|---|
| Non Dimmable | Non Dimmable | Non Dimmable | Non Dimmable |
| ○ F017G1BA006 | ○ F017G2BA006 | ○ F017G3BA006 | ○ F017G4BA006 |
| ● F017G1BA033 | ● F017G2BA033 | ● F017G3BA033 | ● F017G4BA033 |
| 1-10V | 1-10V | 1-10V | 1-10V |
| ○ F017G1BB006 | ○ F017G2BB006 | ○ F017G3BB006 | ○ F017G4BB006 |
| ● F017G1BB033 | ● F017G2BB033 | ● F017G3BB033 | ● F017G4BB033 |
| Dali | Dali | Dali | Dali |
| ○ F017G1BD006 | ○ F017G2BD006 | ○ F017G3BD006 | ○ F017G4BD006 |
| ● F017G1BD033 | ● F017G2BD033 | ● F017G3BD033 | ● F017G4BD033 |




@3000K

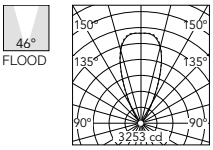
Beam Angle: 25°

| h(m) | E(lx) | D(m) |
|---|---|---|
| 1 | 10928 | 0.44 |
| 2 | 2732 | 0.88 |
| 3 | 1214 | 1.32 |
| 4 | 683 | 1.76 |
| 5 | 437 | 2.20 |

### Optic Flood 46º

**Power Led:** 26W - LED 2795 lm ≠ OUTPUT 1924 lm - 2200K/CRI 80 / 26W - LED 2898 lm ≠ OUTPUT 1995 lm - 2700K/CRI 80 / 26W - LED 3105 lm ≠ OUTPUT 2138 lm - 3000K/CRI 80 / 26W - LED 3209 lm ≠ OUTPUT 2209 lm - 4000K/CRI 80

| 2200K | 2700K | 3000K | 4000K |
|---|---|---|---|
| Non Dimmable | Non Dimmable | Non Dimmable | Non Dimmable |
| ○ F017G1CA006 | ○ F017G2CA006 | ○ F017G3CA006 | ○ F017G4CA006 |
| ● F017G1CA033 | ● F017G2CA033 | ● F017G3CA033 | ● F017G4CA033 |
| 1-10V | 1-10V | 1-10V | 1-10V |
| ○ F017G1CB006 | ○ F017G2CB006 | ○ F017G3CB006 | ○ F017G4CB006 |
| ● F017G1CB033 | ● F017G2CB033 | ● F017G3CB033 | ● F017G4CB033 |
| Dali | Dali | Dali | Dali |
| ○ F017G1CD006 | ○ F017G2CD006 | ○ F017G3CD006 | ○ F017G4CD006 |
| ● F017G1CD033 | ● F017G2CD033 | ● F017G3CD033 | ● F017G4CD033 |




@3000K

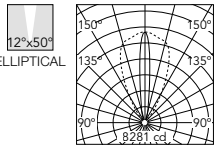
Beam Angle: 46°

| h(m) | E(lx) | D(m) |
|---|---|---|
| 1 | 3238 | 0.85 |
| 2 | 809 | 1.71 |
| 3 | 360 | 2.56 |
| 4 | 202 | 3.42 |
| 5 | 130 | 4.27 |

### Optic Elliptical 12º x 50º

**Power Led:** 26W - LED 2795 lm ≠ OUTPUT 1929 lm - 2200K/CRI 80 / 26W - LED 2898 lm ≠ OUTPUT 2001 lm - 2700K/CRI 80 / 26W - LED 3105 lm ≠ OUTPUT 2144 lm - 3000K/CRI 80 / 26W - LED 3209 lm ≠ OUTPUT 2215 lm - 4000K/CRI 80

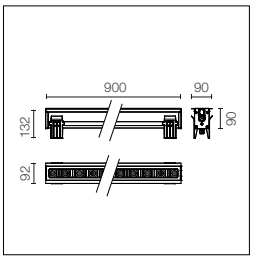
| 2200K | 2700K | 3000K | 4000K |
|---|---|---|---|
| Non Dimmable | Non Dimmable | Non Dimmable | Non Dimmable |
| ○ F017G1DA006 | ○ F017G2DA006 | ○ F017G3DA006 | ○ F017G4DA006 |
| ● F017G1DA033 | ● F017G2DA033 | ● F017G3DA033 | ● F017G4DA033 |
| 1-10V | 1-10V | 1-10V | 1-10V |
| ○ F017G1DB006 | ○ F017G2DB006 | ○ F017G3DB006 | ○ F017G4DB006 |
| ● F017G1DB033 | ● F017G2DB033 | ● F017G3DB033 | ● F017G4DB033 |
| Dali | Dali | Dali | Dali |
| ○ F017G1DD006 | ○ F017G2DD006 | ○ F017G3DD006 | ○ F017G4DD006 |
| ● F017G1DD033 | ● F017G2DD033 | ● F017G3DD033 | ● F017G4DD033 |

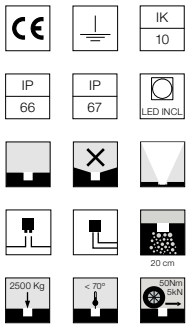



@3000K

Beam Angle: 12°

| h(m) | E(lx) | D(m) |
|---|---|---|
| 1 | 8280 | 0.22 |
| 2 | 2070 | 0.44 |
| 3 | 920 | 0.66 |
| 4 | 517 | 0.87 |
| 5 | 331 | 1.09 |




High-power LED source included and rear lenses equipped with anti-glare diffuser grille. 1-10V or DALI on-off and dimmable 220-240V power supply.
Compulsory installation box to be ordered separately.
Pre-wired with $H_2O$ Stop quick connectors, plug/socket included.
ACT (Anti-Corrosion Treatment) upon request.

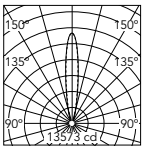
Fuente LED de alta potencia incluida y ópticas retrocedidas equipadas con difusor de rejilla antideslumbrante. Alimentación 220-240 V on-off y regulable 1-10V y DALI.
La caja de montaje para la instalación obligatoria debe pedirse por separado.
Precableado con conectores rápidos $H_2O$ Stop toma/enchufe incluidos.
ACT (Anti Corrosion Treatment) bajo petición.

### Optic Spot 16º

**Power Led:** 26W - LED 2795 lm ≠ OUTPUT 1505 lm - 2200K/CRI 80 / 26W - LED 2898 lm ≠ OUTPUT 1560 lm - 2700K/CRI 80 / 26W - LED 3105 lm ≠ OUTPUT 1672 lm - 3000K/CRI 80 / 26W - LED 3209 lm ≠ OUTPUT 1728 lm - 4000K/CRI 80

| 2200K | 2700K | 3000K | 4000K |
|---|---|---|---|
| Non Dimmable | Non Dimmable | Non Dimmable | Non Dimmable |
| ● F017G1HA006 | ● F017G2HA006 | ● F017G3HA006 | ● F017G4HA006 |
| ● F017G1HA033 | ● F017G2HA033 | ● F017G3HA033 | ● F017G4HA033 |
| 1-10V | 1-10V | 1-10V | 1-10V |
| ● F017G1HB006 | ● F017G2HB006 | ● F017G3HB006 | ● F017G4HB006 |
| ● F017G1HB033 | ● F017G2HB033 | ● F017G3HB033 | ● F017G4HB033 |
| Dali | Dali | Dali | Dali |
| ● F017G1HD006 | ● F017G2HD006 | ● F017G3HD006 | ● F017G4HD006 |
| ● F017G1HD033 | ● F017G2HD033 | ● F017G3HD033 | ● F017G4HD033 |

16°
SPOT




@3000K

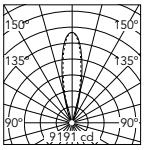
| Beam Angle: | 16° | |
|---|---|---|
| h(m) | E(lx) | D(m) |
| 1 | 13573 | 0.28 |
| 2 | 3393 | 0.56 |
| 3 | 1508 | 0.83 |
| 4 | 848 | 1.11 |
| 5 | 543 | 1.39 |

### Optic Medium 25º

**Power Led:** 26W - LED 2795 lm ≠ OUTPUT 1594 lm - 2200K/CRI 80 / 26W - LED 2898 lm ≠ OUTPUT 1653 lm - 2700K/CRI 80 / 26W - LED 3105 lm ≠ OUTPUT 1771 lm - 3000K/CRI 80 / 26W - LED 3209 lm ≠ OUTPUT 1830 lm - 4000K/CRI 80

| 2200K | 2700K | 3000K | 4000K |
|---|---|---|---|
| Non Dimmable | Non Dimmable | Non Dimmable | Non Dimmable |
| ● F017G1JA006 | ● F017G2JA006 | ● F017G3JA006 | ● F017G4JA006 |
| ● F017G1JA033 | ● F017G2JA033 | ● F017G3JA033 | ● F017G4JA033 |
| 1-10V | 1-10V | 1-10V | 1-10V |
| ● F017G1JB006 | ● F017G2JB006 | ● F017G3JB006 | ● F017G4JB006 |
| ● F017G1JB033 | ● F017G2JB033 | ● F017G3JB033 | ● F017G4JB033 |
| Dali | Dali | Dali | Dali |
| ● F017G1JD006 | ● F017G2JD006 | ● F017G3JD006 | ● F017G4JD006 |
| ● F017G1JD033 | ● F017G2JD033 | ● F017G3JD033 | ● F017G4JD033 |

25°
MEDIUM




@3000K

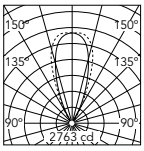
| Beam Angle: | 25° | |
|---|---|---|
| h(m) | E(lx) | D(m) |
| 1 | 9191 | 0.44 |
| 2 | 2298 | 0.87 |
| 3 | 1021 | 1.31 |
| 4 | 574 | 1.74 |
| 5 | 368 | 2.18 |

### Optic Flood 39º

**Power Led:** 26W - LED 2795 lm ≠ OUTPUT 1233 lm - 2200K/CRI 80 / 26W - LED 2898 lm ≠ OUTPUT 1278 lm - 2700K/CRI 80 / 26W - LED 3105 lm ≠ OUTPUT 1370 lm - 3000K/CRI 80 / 26W - LED 3209 lm ≠ OUTPUT 1415 lm - 4000K/CRI 80

| 2200K | 2700K | 3000K | 4000K |
|---|---|---|---|
| Non Dimmable | Non Dimmable | Non Dimmable | Non Dimmable |
| ● F017G1KA006 | ● F017G2KA006 | ● F017G3KA006 | ● F017G4KA006 |
| ● F017G1KA033 | ● F017G2KA033 | ● F017G3KA033 | ● F017G4KA033 |
| 1-10V | 1-10V | 1-10V | 1-10V |
| ● F017G1KB006 | ● F017G2KB006 | ● F017G3KB006 | ● F017G4KB006 |
| ● F017G1KB033 | ● F017G2KB033 | ● F017G3KB033 | ● F017G4KB033 |
| Dali | Dali | Dali | Dali |
| ● F017G1KD006 | ● F017G2KD006 | ● F017G3KD006 | ● F017G4KD006 |
| ● F017G1KD033 | ● F017G2KD033 | ● F017G3KD033 | ● F017G4KD033 |

39°
FLOOD




@3000K

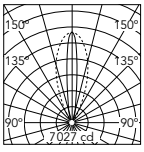
| Beam Angle: | 39° | |
|---|---|---|
| h(m) | E(lx) | D(m) |
| 1 | 2755 | 0.71 |
| 2 | 689 | 1.43 |
| 3 | 306 | 2.14 |
| 4 | 172 | 2.86 |
| 5 | 110 | 3.57 |

### Optic Elliptical 13º x 40º

**Power Led:** 26W - LED 2795 lm ≠ OUTPUT 1229 lm - 2200K/CRI 80 / 26W - LED 2898 lm ≠ OUTPUT 1275 lm - 2700K/CRI 80 / 26W - LED 3105 lm ≠ OUTPUT 1366 lm - 3000K/CRI 80 / 26W - LED 3209 lm ≠ OUTPUT 1411 lm - 4000K/CRI 80

| 2200K | 2700K | 3000K | 4000K |
|---|---|---|---|
| Non Dimmable | Non Dimmable | Non Dimmable | Non Dimmable |
| ● F017G1LA006 | ● F017G2LA006 | ● F017G3LA006 | ● F017G4LA006 |
| ● F017G1LA033 | ● F017G2LA033 | ● F017G3LA033 | ● F017G4LA033 |
| 1-10V | 1-10V | 1-10V | 1-10V |
| ● F017G1LB006 | ● F017G2LB006 | ● F017G3LB006 | ● F017G4LB006 |
| ● F017G1LB033 | ● F017G2LB033 | ● F017G3LB033 | ● F017G4LB033 |
| Dali | Dali | Dali | Dali |
| ● F017G1LD006 | ● F017G2LD006 | ● F017G3LD006 | ● F017G4LD006 |
| ● F017G1LD033 | ● F017G2LD033 | ● F017G3LD033 | ● F017G4LD033 |

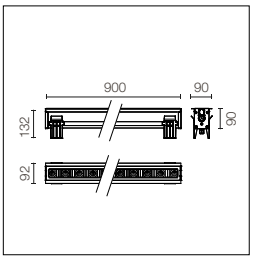
13°x40°
ELLIPTICAL

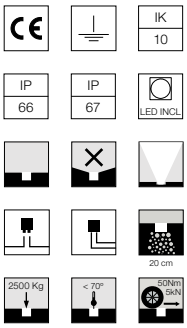



@3000K

| Beam Angle: | 13° | |
|---|---|---|
| h(m) | E(lx) | D(m) |
| 1 | 7027 | 0.22 |
| 2 | 1757 | 0.44 |
| 3 | 781 | 0.67 |
| 4 | 439 | 0.89 |
| 5 | 281 | 1.11 |

## Ingraze Adjustable Frame + Asymmetric Louvre L 900



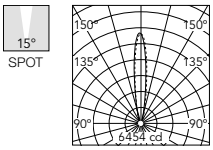

High-power LED source included and rear lenses equipped with anti-glare asymmetrical diffuser grille.
1-10V or DALI on-off and dimmable 220-240V power supply.
Compulsory installation box to be ordered separately.
Pre-wired with $H_2O$ Stop quick connectors, plug/socket included.
ACT (Anti-Corrosion Treatment) upon request.

Fuente LED de alta potencia incluida y ópticas retrocedidas equipadas con difusor de rejilla asimétrico antideslumbrante.
Alimentación 220-240 V on-off y regulable 1-10V y DALI.
La caja de montaje para la instalación obligatoria debe pedirse por separado.
Precableado con conectores rápidos $H_2O$ Stop toma/enchufe incluidos.
ACT (Anti Corrosion Treatment) bajo petición.

### Optic Spot 15º

**Power Led:** 26W - LED 2795 lm ≠ OUTPUT 715 lm - 2200K/CRI 80 / 26W - LED 2898 lm ≠ OUTPUT 742 lm - 2700K/CRI 80 / 26W - LED 3105 lm ≠ OUTPUT 795 lm - 3000K/CRI 80 / 26W - LED 3209 lm ≠ OUTPUT 821 lm - 4000K/CRI 80

| 2200K | 2700K | 3000K | 4000K |
|---|---|---|---|
| Non Dimmable | Non Dimmable | Non Dimmable | Non Dimmable |
| ● F017G1QA006 | ● F017G2QA006 | ● F017G3QA006 | ● F017G4QA006 |
| ● F017G1QA033 | ● F017G2QA033 | ● F017G3QA033 | ● F017G4QA033 |
| 1-10V | 1-10V | 1-10V | 1-10V |
| ● F017G1QB006 | ● F017G2QB006 | ● F017G3QB006 | ● F017G4QB006 |
| ● F017G1QB033 | ● F017G2QB033 | ● F017G3QB033 | ● F017G4QB033 |
| Dali | Dali | Dali | Dali |
| ● F017G1QD006 | ● F017G2QD006 | ● F017G3QD006 | ● F017G4QD006 |
| ● F017G1QD033 | ● F017G2QD033 | ● F017G3QD033 | ● F017G4QD033 |




@3000K

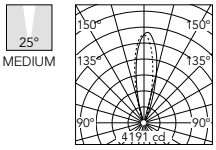
Beam Angle: 15°

| h(m) | E(lx) | D(m) |
|---|---|---|
| 1 | 6451 | 0.25 |
| 2 | 1613 | 0.51 |
| 3 | 717 | 0.76 |
| 4 | 403 | 1.02 |
| 5 | 258 | 1.27 |

### Optic Medium 25º

**Power Led:** 26W - LED 2795 lm ≠ OUTPUT 757 lm - 2200K/CRI 80 / 26W - LED 2898 lm ≠ OUTPUT 785 lm - 2700K/CRI 80 / 26W - LED 3105 lm ≠ OUTPUT 841 lm - 3000K/CRI 80 / 26W - LED 3209 lm ≠ OUTPUT 869 lm - 4000K/CRI 80

| 2200K | 2700K | 3000K | 4000K |
|---|---|---|---|
| Non Dimmable | Non Dimmable | Non Dimmable | Non Dimmable |
| ● F017G1RA006 | ● F017G2RA006 | ● F017G3RA006 | ● F017G4RA006 |
| ● F017G1RA033 | ● F017G2RA033 | ● F017G3RA033 | ● F017G4RA033 |
| 1-10V | 1-10V | 1-10V | 1-10V |
| ● F017G1RB006 | ● F017G2RB006 | ● F017G3RB006 | ● F017G4RB006 |
| ● F017G1RB033 | ● F017G2RB033 | ● F017G3RB033 | ● F017G4RB033 |
| Dali | Dali | Dali | Dali |
| ● F017G1RD006 | ● F017G2RD006 | ● F017G3RD006 | ● F017G4RD006 |
| ● F017G1RD033 | ● F017G2RD033 | ● F017G3RD033 | ● F017G4RD033 |




@3000K

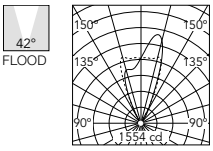
Beam Angle: 25°

| h(m) | E(lx) | D(m) |
|---|---|---|
| 1 | 4183 | 0.45 |
| 2 | 1046 | 0.89 |
| 3 | 465 | 1.34 |
| 4 | 261 | 1.78 |
| 5 | 167 | 2.23 |

### Optic Flood 42º

**Power Led:** 26W - LED 2795 lm ≠ OUTPUT 606 lm - 2200K/CRI 80 / 26W - LED 2898 lm ≠ OUTPUT 628 lm - 2700K/CRI 80 / 26W - LED 3105 lm ≠ OUTPUT 673 lm - 3000K/CRI 80 / 26W - LED 3209 lm ≠ OUTPUT 696 lm - 4000K/CRI 80

| 2200K | 2700K | 3000K | 4000K |
|---|---|---|---|
| Non Dimmable | Non Dimmable | Non Dimmable | Non Dimmable |
| ● F017G1SA006 | ● F017G2SA006 | ● F017G3SA006 | ● F017G4SA006 |
| ● F017G1SA033 | ● F017G2SA033 | ● F017G3SA033 | ● F017G4SA033 |
| 1-10V | 1-10V | 1-10V | 1-10V |
| ● F017G1SB006 | ● F017G2SB006 | ● F017G3SB006 | ● F017G4SB006 |
| ● F017G1SB033 | ● F017G2SB033 | ● F017G3SB033 | ● F017G4SB033 |
| Dali | Dali | Dali | Dali |
| ● F017G1SD006 | ● F017G2SD006 | ● F017G3SD006 | ● F017G4SD006 |
| ● F017G1SD033 | ● F017G2SD033 | ● F017G3SD033 | ● F017G4SD033 |




@3000K

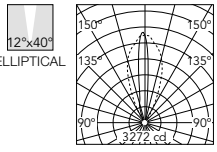
Beam Angle: 42°

| h(m) | E(lx) | D(m) |
|---|---|---|
| 1 | 1474 | 0.76 |
| 2 | 368 | 1.51 |
| 3 | 164 | 2.27 |
| 4 | 92 | 3.03 |
| 5 | 59 | 3.78 |

### Optic Elliptical 12º x 40º

**Power Led:** 26W - LED 2795 lm ≠ OUTPUT 580 lm - 2200K/CRI 80 / 26W - LED 2898 lm ≠ OUTPUT 602 lm - 2700K/CRI 80 / 26W - LED 3105 lm ≠ OUTPUT 645 lm - 3000K/CRI 80 / 26W - LED 3209 lm ≠ OUTPUT 666 lm - 4000K/CRI 80

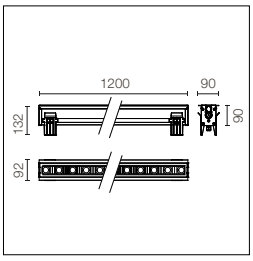
| 2200K | 2700K | 3000K | 4000K |
|---|---|---|---|
| Non Dimmable | Non Dimmable | Non Dimmable | Non Dimmable |
| ● F017G1TA006 | ● F017G2TA006 | ● F017G3TA006 | ● F017G4TA006 |
| ● F017G1TA033 | ● F017G2TA033 | ● F017G3TA033 | ● F017G4TA033 |
| 1-10V | 1-10V | 1-10V | 1-10V |
| ● F017G1TB006 | ● F017G2TB006 | ● F017G3TB006 | ● F017G4TB006 |
| ● F017G1TB033 | ● F017G2TB033 | ● F017G3TB033 | ● F017G4TB033 |
| Dali | Dali | Dali | Dali |
| ● F017G1TD006 | ● F017G2TD006 | ● F017G3TD006 | ● F017G4TD006 |
| ● F017G1TD033 | ● F017G2TD033 | ● F017G3TD033 | ● F017G4TD033 |

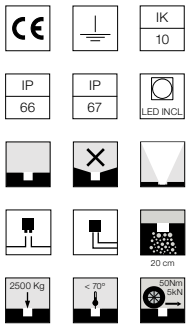



@3000K

Beam Angle: 12°

| h(m) | E(lx) | D(m) |
|---|---|---|
| 1 | 3271 | 0.21 |
| 2 | 818 | 0.42 |
| 3 | 363 | 0.62 |
| 4 | 204 | 0.83 |
| 5 | 131 | 1.04 |



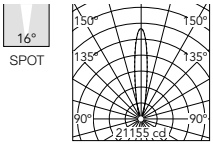

High-power LED source included and rear lenses. 1-10V or DALI on-off and dimmable 220-240V power supply.
Compulsory installation box to be ordered separately.
Pre-wired with $H_2O$ Stop quick connectors, plug/socket included.
ACT (Anti-Corrosion Treatment) upon request.

Fuente LED de alta potencia incluida y ópticas retrocedidas.
Alimentación 220-240 V on-off y regulable 1-10V y DALI.
La caja de montaje para la instalación obligatoria debe pedirse por separado.
Precableado con conectores rápidos $H_2O$ Stop toma/enchufe incluidos.
ACT (Anti Corrosion Treatment) bajo petición.

### Optic Spot 16º

**Power Led:** 33,5W - LED 3726 lm ≠ OUTPUT 2736 lm - 2200K/CRI 80 / 33,5W - LED 3864 lm ≠ OUTPUT 2837 lm - 2700K/CRI 80 / 33,5W - LED 4140 lm ≠ OUTPUT 3040 lm - 3000K/CRI 80 / 33,5W - LED 4278 lm ≠ OUTPUT 3141 lm - 4000K/CRI 80

| 2200K | 2700K | 3000K | 4000K |
|---|---|---|---|
| Non Dimmable | Non Dimmable | Non Dimmable | Non Dimmable |
| ● F017H1AA006 | ● F017H2AA006 | ● F017H3AA006 | ● F017H4AA006 |
| ● F017H1AA033 | ● F017H2AA033 | ● F017H3AA033 | ● F017H4AA033 |
| 1-10V | 1-10V | 1-10V | 1-10V |
| ● F017H1AB006 | ● F017H2AB006 | ● F017H3AB006 | ● F017H4AB006 |
| ● F017H1AB033 | ● F017H2AB033 | ● F017H3AB033 | ● F017H4AB033 |
| Dali | Dali | Dali | Dali |
| ● F017H1AD006 | ● F017H2AD006 | ● F017H3AD006 | ● F017H4AD006 |
| ● F017H1AD033 | ● F017H2AD033 | ● F017H3AD033 | ● F017H4AD033 |




@3000K

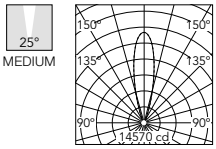
Beam Angle: 16°

| h(m) | E(lx) | D(m) |
|---|---|---|
| 1 | 21155 | 0.27 |
| 2 | 5289 | 0.55 |
| 3 | 2351 | 0.82 |
| 4 | 1322 | 1.09 |
| 5 | 846 | 1.37 |

### Optic Medium 25º

**Power Led:** 33,5W - LED 3726 lm ≠ OUTPUT 2945 lm - 2200K/CRI 80 / 33,5W - LED 3864 lm ≠ OUTPUT 3054 lm - 2700K/CRI 80 / 33,5W - LED 4140 lm ≠ OUTPUT 3272 lm - 3000K/CRI 80 / 33,5W - LED 4278 lm ≠ OUTPUT 3381 lm - 4000K/CRI 80

| 2200K | 2700K | 3000K | 4000K |
|---|---|---|---|
| Non Dimmable | Non Dimmable | Non Dimmable | Non Dimmable |
| ● F017H1BA006 | ● F017H2BA006 | ● F017H3BA006 | ● F017H4BA006 |
| ● F017H1BA033 | ● F017H2BA033 | ● F017H3BA033 | ● F017H4BA033 |
| 1-10V | 1-10V | 1-10V | 1-10V |
| ● F017H1BB006 | ● F017H2BB006 | ● F017H3BB006 | ● F017H4BB006 |
| ● F017H1BB033 | ● F017H2BB033 | ● F017H3BB033 | ● F017H4BB033 |
| Dali | Dali | Dali | Dali |
| ● F017H1BD006 | ● F017H2BD006 | ● F017H3BD006 | ● F017H4BD006 |
| ● F017H1BD033 | ● F017H2BD033 | ● F017H3BD033 | ● F017H4BD033 |




@3000K

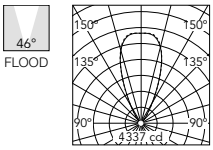
Beam Angle: 25°

| h(m) | E(lx) | D(m) |
|---|---|---|
| 1 | 14570 | 0.44 |
| 2 | 3643 | 0.88 |
| 3 | 1619 | 1.32 |
| 4 | 911 | 1.76 |
| 5 | 583 | 2.20 |

### Optic Flood 46º

**Power Led:** 33,5W - LED 3726 lm ≠ OUTPUT 2565 lm - 2200K/CRI 80 / 33,5W - LED 3864 lm ≠ OUTPUT 2660 lm - 2700K/CRI 80 / 33,5W - LED 4140 lm ≠ OUTPUT 2850 lm - 3000K/CRI 80 / 33,5W - LED 4278 lm ≠ OUTPUT 2945 lm - 4000K/CRI 80

| 2200K | 2700K | 3000K | 4000K |
|---|---|---|---|
| Non Dimmable | Non Dimmable | Non Dimmable | Non Dimmable |
| ● F017H1CA006 | ● F017H2CA006 | ● F017H3CA006 | ● F017H4CA006 |
| ● F017H1CA033 | ● F017H2CA033 | ● F017H3CA033 | ● F017H4CA033 |
| 1-10V | 1-10V | 1-10V | 1-10V |
| ● F017H1CB006 | ● F017H2CB006 | ● F017H3CB006 | ● F017H4CB006 |
| ● F017H1CB033 | ● F017H2CB033 | ● F017H3CB033 | ● F017H4CB033 |
| Dali | Dali | Dali | Dali |
| ● F017H1CD006 | ● F017H2CD006 | ● F017H3CD006 | ● F017H4CD006 |
| ● F017H1CD033 | ● F017H2CD033 | ● F017H3CD033 | ● F017H4CD033 |




@3000K

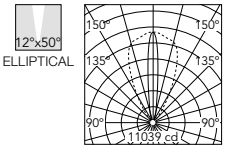
Beam Angle: 46°

| h(m) | E(lx) | D(m) |
|---|---|---|
| 1 | 4316 | 0.85 |
| 2 | 1079 | 1.71 |
| 3 | 480 | 2.56 |
| 4 | 270 | 3.42 |
| 5 | 173 | 4.27 |

### Optic Elliptical 12º x 50º

**Power Led:** 33,5W - LED 3726 lm ≠ OUTPUT 2572 lm - 2200K/CRI 80 / 33,5W - LED 3864 lm ≠ OUTPUT 2668 lm - 2700K/CRI 80 / 33,5W - LED 4140 lm ≠ OUTPUT 2858 lm - 3000K/CRI 80 / 33,5W - LED 4278 lm ≠ OUTPUT 2953 lm - 4000K/CRI 80

| 2200K | 2700K | 3000K | 4000K |
|---|---|---|---|
| Non Dimmable | Non Dimmable | Non Dimmable | Non Dimmable |
| ● F017H1DA006 | ● F017H2DA006 | ● F017H3DA006 | ● F017H4DA006 |
| ● F017H1DA033 | ● F017H2DA033 | ● F017H3DA033 | ● F017H4DA033 |
| 1-10V | 1-10V | 1-10V | 1-10V |
| ● F017H1DB006 | ● F017H2DB006 | ● F017H3DB006 | ● F017H4DB006 |
| ● F017H1DB033 | ● F017H2DB033 | ● F017H3DB033 | ● F017H4DB033 |
| Dali | Dali | Dali | Dali |
| ● F017H1DD006 | ● F017H2DD006 | ● F017H3DD006 | ● F017H4DD006 |
| ● F017H1DD033 | ● F017H2DD033 | ● F017H3DD033 | ● F017H4DD033 |

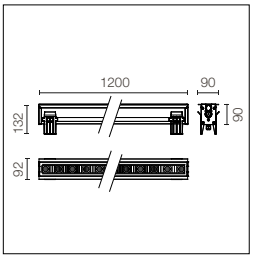


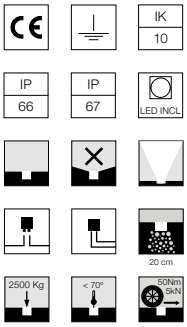

@3000K

Beam Angle: 12°

| h(m) | E(lx) | D(m) |
|---|---|---|
| 1 | 11037 | 0.22 |
| 2 | 2759 | 0.44 |
| 3 | 1226 | 0.66 |
| 4 | 690 | 0.87 |
| 5 | 441 | 1.09 |

## Ingraze Adjustable Frame + Linear Louvre L 1200



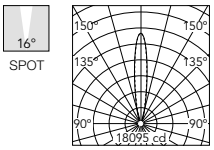

High-power LED source included and rear lenses equipped with anti-glare diffuser grille. 1-10V or DALI on-off and dimmable 220-240V power supply.
Compulsory installation box to be ordered separately.
Pre-wired with $H_2O$ Stop quick connectors, plug/socket included.
ACT (Anti-Corrosion Treatment) upon request.

Fuente LED de alta potencia incluida y ópticas retrocedidas equipadas con difusor de rejilla antideslumbrante. Alimentación 220-240 V on-off y regulable 1-10V y DALI.
La caja de montaje para la instalación obligatoria debe pedirse por separado.
Precableado con conectores rápidos $H_2O$ Stop toma/enchufe incluidos.
ACT (Anti Corrosion Treatment) bajo petición.

### Optic Spot 16º

**Power Led:** 33,5W - LED 3726 lm ≠ OUTPUT 2006 lm - 2200K/CRI 80 / 33,5W - LED 3864 lm ≠ OUTPUT 2080 lm - 2700K/CRI 80 / 33,5W - LED 4140 lm ≠ OUTPUT 2229 lm - 3000K/CRI 80 / 33,5W - LED 4278 lm ≠ OUTPUT 2303 lm - 4000K/CRI 80

| 2200K | 2700K | 3000K | 4000K |
|---|---|---|---|
| Non Dimmable | Non Dimmable | Non Dimmable | Non Dimmable |
| ● F017H1HA006 | ● F017H2HA006 | ● F017H3HA006 | ● F017H4HA006 |
| ● F017H1HA033 | ● F017H2HA033 | ● F017H3HA033 | ● F017H4HA033 |
| 1-10V | 1-10V | 1-10V | 1-10V |
| ● F017H1HB006 | ● F017H2HB006 | ● F017H3HB006 | ● F017H4HB006 |
| ● F017H1HB033 | ● F017H2HB033 | ● F017H3HB033 | ● F017H4HB033 |
| Dali | Dali | Dali | Dali |
| ● F017H1HD006 | ● F017H2HD006 | ● F017H3HD006 | ● F017H4HD006 |
| ● F017H1HD033 | ● F017H2HD033 | ● F017H3HD033 | ● F017H4HD033 |



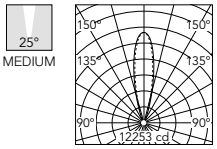

@3000K

| Beam Angle: | 16° | |
|---|---|---|
| h(m) | E(lx) | D(m) |
| 1 | 18095 | 0.28 |
| 2 | 4524 | 0.56 |
| 3 | 2011 | 0.83 |
| 4 | 1131 | 1.11 |
| 5 | 724 | 1.39 |

### Optic Medium 25º

**Power Led:** 33,5W - LED 3726 lm ≠ OUTPUT 2125 lm - 2200K/CRI 80 / 33,5W - LED 3864 lm ≠ OUTPUT 2203 lm - 2700K/CRI 80 / 33,5W - LED 4140 lm ≠ OUTPUT 2361 lm - 3000K/CRI 80 / 33,5W - LED 4278 lm ≠ OUTPUT 2439 lm - 4000K/CRI 80

| 2200K | 2700K | 3000K | 4000K |
|---|---|---|---|
| Non Dimmable | Non Dimmable | Non Dimmable | Non Dimmable |
| ● F017H1JA006 | ● F017H2JA006 | ● F017H3JA006 | ● F017H4JA006 |
| ● F017H1JA033 | ● F017H2JA033 | ● F017H3JA033 | ● F017H4JA033 |
| 1-10V | 1-10V | 1-10V | 1-10V |
| ● F017H1JB006 | ● F017H2JB006 | ● F017H3JB006 | ● F017H4JB006 |
| ● F017H1JB033 | ● F017H2JB033 | ● F017H3JB033 | ● F017H4JB033 |
| Dali | Dali | Dali | Dali |
| ● F017H1JD006 | ● F017H2JD006 | ● F017H3JD006 | ● F017H4JD006 |
| ● F017H1JD033 | ● F017H2JD033 | ● F017H3JD033 | ● F017H4JD033 |



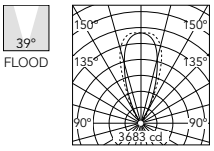

@3000K

| Beam Angle: | 25° | |
|---|---|---|
| h(m) | E(lx) | D(m) |
| 1 | 12253 | 0.44 |
| 2 | 3063 | 0.87 |
| 3 | 1361 | 1.31 |
| 4 | 766 | 1.74 |
| 5 | 490 | 2.18 |

### Optic Flood 39º

**Power Led:** 33,5W - LED 3726 lm ≠ OUTPUT 1643 lm - 2200K/CRI 80 / 33,5W - LED 3864 lm ≠ OUTPUT 1704 lm - 2700K/CRI 80 / 33,5W - LED 4140 lm ≠ OUTPUT 1826 lm - 3000K/CRI 80 / 33,5W - LED 4278 lm ≠ OUTPUT 1887 lm - 4000K/CRI 80

| 2200K | 2700K | 3000K | 4000K |
|---|---|---|---|
| Non Dimmable | Non Dimmable | Non Dimmable | Non Dimmable |
| ● F017H1KA006 | ● F017H2KA006 | ● F017H3KA006 | ● F017H4KA006 |
| ● F017H1KA033 | ● F017H2KA033 | ● F017H3KA033 | ● F017H4KA033 |
| 1-10V | 1-10V | 1-10V | 1-10V |
| ● F017H1KB006 | ● F017H2KB006 | ● F017H3KB006 | ● F017H4KB006 |
| ● F017H1KB033 | ● F017H2KB033 | ● F017H3KB033 | ● F017H4KB033 |
| Dali | Dali | Dali | Dali |
| ● F017H1KD006 | ● F017H2KD006 | ● F017H3KD006 | ● F017H4KD006 |
| ● F017H1KD033 | ● F017H2KD033 | ● F017H3KD033 | ● F017H4KD033 |



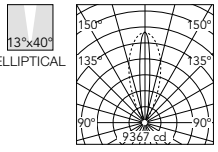

@3000K

| Beam Angle: | 39° | |
|---|---|---|
| h(m) | E(lx) | D(m) |
| 1 | 3672 | 0.71 |
| 2 | 918 | 1.43 |
| 3 | 408 | 2.14 |
| 4 | 230 | 2.86 |
| 5 | 147 | 3.57 |

### Optic Elliptical 13º x 40º

**Power Led:** 33,5W - LED 3726 lm ≠ OUTPUT 1639 lm - 2200K/CRI 80 / 33,5W - LED 3864 lm ≠ OUTPUT 1700 lm - 2700K/CRI 80 / 33,5W - LED 4140 lm ≠ OUTPUT 1821 lm - 3000K/CRI 80 / 33,5W - LED 4278 lm ≠ OUTPUT 1882 lm - 4000K/CRI 80

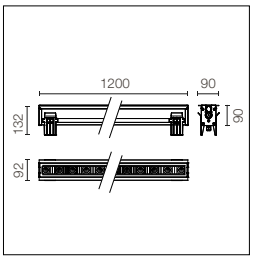
| 2200K | 2700K | 3000K | 4000K |
|---|---|---|---|
| Non Dimmable | Non Dimmable | Non Dimmable | Non Dimmable |
| ● F017H1LA006 | ● F017H2LA006 | ● F017H3LA006 | ● F017H4LA006 |
| ● F017H1LA033 | ● F017H2LA033 | ● F017H3LA033 | ● F017H4LA033 |
| 1-10V | 1-10V | 1-10V | 1-10V |
| ● F017H1LB006 | ● F017H2LB006 | ● F017H3LB006 | ● F017H4LB006 |
| ● F017H1LB033 | ● F017H2LB033 | ● F017H3LB033 | ● F017H4LB033 |
| Dali | Dali | Dali | Dali |
| ● F017H1LD006 | ● F017H2LD006 | ● F017H3LD006 | ● F017H4LD006 |
| ● F017H1LD033 | ● F017H2LD033 | ● F017H3LD033 | ● F017H4LD033 |

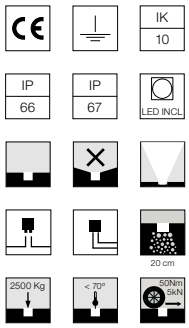



@3000K

| Beam Angle: | 13° | |
|---|---|---|
| h(m) | E(lx) | D(m) |
| 1 | 9367 | 0.22 |
| 2 | 2342 | 0.44 |
| 3 | 1041 | 0.67 |
| 4 | 585 | 0.89 |
| 5 | 375 | 1.11 |

## Ingraze Adjustable Frame + Asymmetric Louvre L 1200




High-power LED source included and rear lenses equipped with anti-glare asymmetrical diffuser grille.
1-10V or DALI on-off and dimmable 220-240V power supply.
Compulsory installation box to be ordered separately.
Pre-wired with $H_2O$ Stop quick connectors, plug/socket included.
ACT (Anti-Corrosion Treatment) upon request.

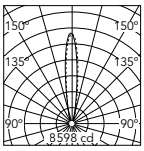
Fuente LED de alta potencia incluida y ópticas retrocedidas equipadas con difusor de rejilla asimétrico antideslumbrante.
Alimentación 220-240 V on-off y regulable 1-10V y DALI.
La caja de montaje para la instalación obligatoria debe pedirse por separado.
Precableado con conectores rápidos $H_2O$ Stop toma/enchufe incluidos.
ACT (Anti Corrosion Treatment) bajo petición.

### Optic Spot 15º

**Power Led:** 33,5W - LED 3726 lm ≠ OUTPUT 954 lm - 2200K/CRI 80 / 33,5W - LED 3864 lm ≠ OUTPUT 989 lm - 2700K/CRI 80 / 33,5W - LED 4140 lm ≠ OUTPUT 1059 lm - 3000K/CRI 80 / 33,5W - LED 4278 lm ≠ OUTPUT 1095 lm - 4000K/CRI 80

| 2200K | 2700K | 3000K | 4000K |
|---|---|---|---|
| Non Dimmable | Non Dimmable | Non Dimmable | Non Dimmable |
| ○ F017H1QA006 | ○ F017H2QA006 | ○ F017H3QA006 | ○ F017H4QA006 |
| ● F017H1QA033 | ● F017H2QA033 | ● F017H3QA033 | ● F017H4QA033 |
| 1-10V | 1-10V | 1-10V | 1-10V |
| ○ F017H1QB006 | ○ F017H2QB006 | ○ F017H3QB006 | ○ F017H4QB006 |
| ● F017H1QB033 | ● F017H2QB033 | ● F017H3QB033 | ● F017H4QB033 |
| Dali | Dali | Dali | Dali |
| ○ F017H1QD006 | ○ F017H2QD006 | ○ F017H3QD006 | ○ F017H4QD006 |
| ● F017H1QD033 | ● F017H2QD033 | ● F017H3QD033 | ● F017H4QD033 |

15°
SPOT




@3000K

Beam Angle: 15°

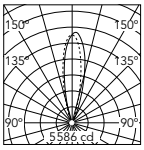
| h(m) | E(lx) | D(m) |
|---|---|---|
| 1 | 8593 | 0.25 |
| 2 | 2148 | 0.51 |
| 3 | 955 | 0.76 |
| 4 | 537 | 1.02 |
| 5 | 344 | 1.27 |

### Optic Medium 25º

**Power Led:** 33,5W - LED 3726 lm ≠ OUTPUT 1009 lm - 2200K/CRI 80 / 33,5W - LED 3864 lm ≠ OUTPUT 1046 lm - 2700K/CRI 80 / 33,5W - LED 4140 lm ≠ OUTPUT 1121 lm - 3000K/CRI 80 / 33,5W - LED 4278 lm ≠ OUTPUT 1158 lm - 4000K/CRI 80

| 2200K | 2700K | 3000K | 4000K |
|---|---|---|---|
| Non Dimmable | Non Dimmable | Non Dimmable | Non Dimmable |
| ○ F017H1RA006 | ○ F017H2RA006 | ○ F017H3RA006 | ○ F017H4RA006 |
| ● F017H1RA033 | ● F017H2RA033 | ● F017H3RA033 | ● F017H4RA033 |
| 1-10V | 1-10V | 1-10V | 1-10V |
| ○ F017H1RB006 | ○ F017H2RB006 | ○ F017H3RB006 | ○ F017H4RB006 |
| ● F017H1RB033 | ● F017H2RB033 | ● F017H3RB033 | ● F017H4RB033 |
| Dali | Dali | Dali | Dali |
| ○ F017H1RD006 | ○ F017H2RD006 | ○ F017H3RD006 | ○ F017H4RD006 |
| ● F017H1RD033 | ● F017H2RD033 | ● F017H3RD033 | ● F017H4RD033 |

25°
MEDIUM




@3000K

Beam Angle: 25°

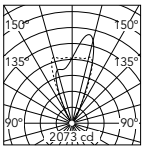
| h(m) | E(lx) | D(m) |
|---|---|---|
| 1 | 5576 | 0.45 |
| 2 | 1394 | 0.89 |
| 3 | 620 | 1.34 |
| 4 | 349 | 1.78 |
| 5 | 223 | 2.23 |

### Optic Flood 42º

**Power Led:** 33,5W - LED 3726 lm ≠ OUTPUT 808 lm - 2200K/CRI 80 / 33,5W - LED 3864 lm ≠ OUTPUT 838 lm - 2700K/CRI 80 / 33,5W - LED 4140 lm ≠ OUTPUT 898 lm - 3000K/CRI 80 / 33,5W - LED 4278 lm ≠ OUTPUT 928 lm - 4000K/CRI 80

| 2200K | 2700K | 3000K | 4000K |
|---|---|---|---|
| Non Dimmable | Non Dimmable | Non Dimmable | Non Dimmable |
| ○ F017H1SA006 | ○ F017H2SA006 | ○ F017H3SA006 | ○ F017H4SA006 |
| ● F017H1SA033 | ● F017H2SA033 | ● F017H3SA033 | ● F017H4SA033 |
| 1-10V | 1-10V | 1-10V | 1-10V |
| ○ F017H1SB006 | ○ F017H2SB006 | ○ F017H3SB006 | ○ F017H4SB006 |
| ● F017H1SB033 | ● F017H2SB033 | ● F017H3SB033 | ● F017H4SB033 |
| Dali | Dali | Dali | Dali |
| ○ F017H1SD006 | ○ F017H2SD006 | ○ F017H3SD006 | ○ F017H4SD006 |
| ● F017H1SD033 | ● F017H2SD033 | ● F017H3SD033 | ● F017H4SD033 |

42°
FLOOD




@3000K

Beam Angle: 42°

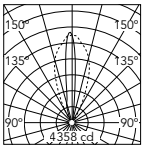
| h(m) | E(lx) | D(m) |
|---|---|---|
| 1 | 1967 | 0.76 |
| 2 | 492 | 1.51 |
| 3 | 219 | 2.27 |
| 4 | 123 | 3.03 |
| 5 | 79 | 3.78 |

### Optic Elliptical 12º x 40º

**Power Led:** 33,5W - LED 3726 lm ≠ OUTPUT 773 lm - 2200K/CRI 80 / 33,5W - LED 3864 lm ≠ OUTPUT 802 lm - 2700K/CRI 80 / 33,5W - LED 4140 lm ≠ OUTPUT 859 lm - 3000K/CRI 80 / 33,5W - LED 4278 lm ≠ OUTPUT 888 lm - 4000K/CRI 80

| 2200K | 2700K | 3000K | 4000K |
|---|---|---|---|
| Non Dimmable | Non Dimmable | Non Dimmable | Non Dimmable |
| ○ F017H1TA006 | ○ F017H2TA006 | ○ F017H3TA006 | ○ F017H4TA006 |
| ● F017H1TA033 | ● F017H2TA033 | ● F017H3TA033 | ● F017H4TA033 |
| 1-10V | 1-10V | 1-10V | 1-10V |
| ○ F017H1TB006 | ○ F017H2TB006 | ○ F017H3TB006 | ○ F017H4TB006 |
| ● F017H1TB033 | ● F017H2TB033 | ● F017H3TB033 | ● F017H4TB033 |
| Dali | Dali | Dali | Dali |
| ○ F017H1TD006 | ○ F017H2TD006 | ○ F017H3TD006 | ○ F017H4TD006 |
| ● F017H1TD033 | ● F017H2TD033 | ● F017H3TD033 | ● F017H4TD033 |

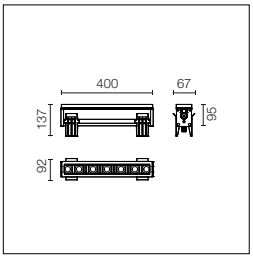
12°x40°
ELLIPTICAL

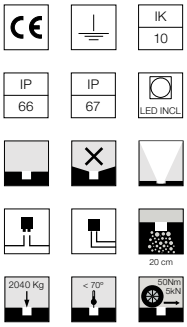



@3000K

Beam Angle: 12°

| h(m) | E(lx) | D(m) |
|---|---|---|
| 1 | 4356 | 0.21 |
| 2 | 1089 | 0.42 |
| 3 | 484 | 0.62 |
| 4 | 272 | 0.83 |
| 5 | 174 | 1.04 |



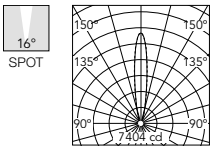

High-power LED source included and rear lenses. 1-10V or DALI on-off and dimmable 220-240V power supply.
Compulsory installation box to be ordered separately.
Pre-wired with $H_2O$ Stop quick connectors, plug/socket included.
ACT (Anti-Corrosion Treatment) upon request.

Fuente LED de alta potencia incluida y ópticas retrocedidas. Alimentación 220-240 V on-off y regulable 1-10V y DALI.
La caja de montaje para la instalación obligatoria debe pedirse por separado.
Precableado con conectores rápidos $H_2O$ Stop toma/enchufe incluidos.
ACT (Anti Corrosion Treatment) bajo petición.

### Optic Spot 16º

**Power Led:** 12,5W - LED 1304 lm ≠ OUTPUT 958 lm - 2200K/CRI 80 / 12,5W - LED 1352 lm ≠ OUTPUT 993 lm - 2700K/CRI 80 / 12,5W - LED 1449 lm ≠ OUTPUT 1064 lm - 3000K/CRI 80 / 12,5W - LED 1497 lm ≠ OUTPUT 1100 lm - 4000K/CRI 80

| 2200K | 2700K | 3000K | 4000K |
|---|---|---|---|
| Non Dimmable | Non Dimmable | Non Dimmable | Non Dimmable |
| ○ F017N1AA006 | ○ F017N2AA006 | ○ F017N3AA006 | ○ F017N4AA006 |
| ● F017N1AA033 | ● F017N2AA033 | ● F017N3AA033 | ● F017N4AA033 |
| 1-10V | 1-10V | 1-10V | 1-10V |
| ○ F017N1AB006 | ○ F017N2AB006 | ○ F017N3AB006 | ○ F017N4AB006 |
| ● F017N1AB033 | ● F017N2AB033 | ● F017N3AB033 | ● F017N4AB033 |
| Dali | Dali | Dali | Dali |
| ○ F017N1AD006 | ○ F017N2AD006 | ○ F017N3AD006 | ○ F017N4AD006 |
| ● F017N1AD033 | ● F017N2AD033 | ● F017N3AD033 | ● F017N4AD033 |



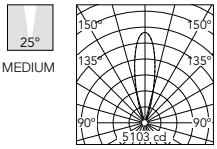

@3000K

| Beam Angle: | | 16° |
|---|---|---|
| h(m) | E(lx) | D(m) |
| 1 | 7404 | 0.27 |
| 2 | 1851 | 0.55 |
| 3 | 823 | 0.82 |
| 4 | 463 | 1.09 |
| 5 | 296 | 1.37 |

### Optic Medium 25º

**Power Led:** 12,5W - LED 1304 lm ≠ OUTPUT 1031 lm - 2200K/CRI 80 / 12,5W - LED 1352 lm ≠ OUTPUT 1069 lm - 2700K/CRI 80 / 12,5W - LED 1449 lm ≠ OUTPUT 1146 lm - 3000K/CRI 80 / 12,5W - LED 1497 lm ≠ OUTPUT 1184 lm - 4000K/CRI 80

| 2200K | 2700K | 3000K | 4000K |
|---|---|---|---|
| Non Dimmable | Non Dimmable | Non Dimmable | Non Dimmable |
| ○ F017N1BA006 | ○ F017N2BA006 | ○ F017N3BA006 | ○ F017N4BA006 |
| ● F017N1BA033 | ● F017N2BA033 | ● F017N3BA033 | ● F017N4BA033 |
| 1-10V | 1-10V | 1-10V | 1-10V |
| ○ F017N1BB006 | ○ F017N2BB006 | ○ F017N3BB006 | ○ F017N4BB006 |
| ● F017N1BB033 | ● F017N2BB033 | ● F017N3BB033 | ● F017N4BB033 |
| Dali | Dali | Dali | Dali |
| ○ F017N1BD006 | ○ F017N2BD006 | ○ F017N3BD006 | ○ F017N4BD006 |
| ● F017N1BD033 | ● F017N2BD033 | ● F017N3BD033 | ● F017N4BD033 |



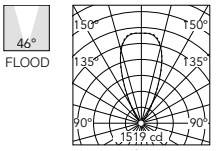

@3000K

| Beam Angle: | | 25° |
|---|---|---|
| h(m) | E(lx) | D(m) |
| 1 | 5103 | 0.44 |
| 2 | 1276 | 0.88 |
| 3 | 567 | 1.32 |
| 4 | 319 | 1.76 |
| 5 | 204 | 2.20 |

### Optic Flood 46º

**Power Led:** 12,5W - LED 1304 lm ≠ OUTPUT 898 lm - 2200K/CRI 80 / 12,5W - LED 1352 lm ≠ OUTPUT 931 lm - 2700K/CRI 80 / 12,5W - LED 1449 lm ≠ OUTPUT 998 lm - 3000K/CRI 80 / 12,5W - LED 1497 lm ≠ OUTPUT 1031 lm - 4000K/CRI 80

| 2200K | 2700K | 3000K | 4000K |
|---|---|---|---|
| Non Dimmable | Non Dimmable | Non Dimmable | Non Dimmable |
| ○ F017N1CA006 | ○ F017N2CA006 | ○ F017N3CA006 | ○ F017N4CA006 |
| ● F017N1CA033 | ● F017N2CA033 | ● F017N3CA033 | ● F017N4CA033 |
| 1-10V | 1-10V | 1-10V | 1-10V |
| ○ F017N1CB006 | ○ F017N2CB006 | ○ F017N3CB006 | ○ F017N4CB006 |
| ● F017N1CB033 | ● F017N2CB033 | ● F017N3CB033 | ● F017N4CB033 |
| Dali | Dali | Dali | Dali |
| ○ F017N1CD006 | ○ F017N2CD006 | ○ F017N3CD006 | ○ F017N4CD006 |
| ● F017N1CD033 | ● F017N2CD033 | ● F017N3CD033 | ● F017N4CD033 |



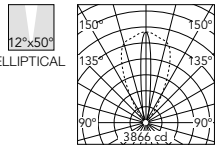

@3000K

| Beam Angle: | | 46° |
|---|---|---|
| h(m) | E(lx) | D(m) |
| 1 | 1511 | 0.85 |
| 2 | 378 | 1.71 |
| 3 | 168 | 2.56 |
| 4 | 94 | 3.42 |
| 5 | 60 | 4.27 |

### Optic Elliptical 12º x 50º

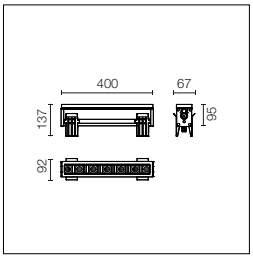
**Power Led:** 12,5W - LED 1304 lm ≠ OUTPUT 901 lm - 2200K/CRI 80 / 12,5W - LED 1352 lm ≠ OUTPUT 934 lm - 2700K/CRI 80 / 12,5W - LED 1449 lm ≠ OUTPUT 1001 lm - 3000K/CRI 80 / 12,5W - LED 1497 lm ≠ OUTPUT 1034 lm - 4000K/CRI 80

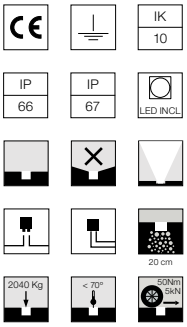
| 2200K | 2700K | 3000K | 4000K |
|---|---|---|---|
| Non Dimmable | Non Dimmable | Non Dimmable | Non Dimmable |
| ○ F017N1DA006 | ○ F017N2DA006 | ○ F017N3DA006 | ○ F017N4DA006 |
| ● F017N1DA033 | ● F017N2DA033 | ● F017N3DA033 | ● F017N4DA033 |
| 1-10V | 1-10V | 1-10V | 1-10V |
| ○ F017N1DB006 | ○ F017N2DB006 | ○ F017N3DB006 | ○ F017N4DB006 |
| ● F017N1DB033 | ● F017N2DB033 | ● F017N3DB033 | ● F017N4DB033 |
| Dali | Dali | Dali | Dali |
| ○ F017N1DD006 | ○ F017N2DD006 | ○ F017N3DD006 | ○ F017N4DD006 |
| ● F017N1DD033 | ● F017N2DD033 | ● F017N3DD033 | ● F017N4DD033 |




@3000K

| Beam Angle: | | 12° |
|---|---|---|
| h(m) | E(lx) | D(m) |
| 1 | 3866 | 0.22 |
| 2 | 966 | 0.44 |
| 3 | 430 | 0.66 |
| 4 | 242 | 0.87 |
| 5 | 155 | 1.09 |



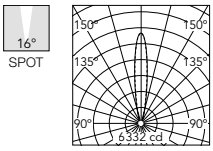

High-power LED source included and rear lenses equipped with anti-glare diffuser grille. 1-10V or DALI on-off and dimmable 220-240V power supply.
Compulsory installation box to be ordered separately.
Pre-wired with $H_2O$ Stop quick connectors, plug/socket included.
ACT (Anti-Corrosion Treatment) upon request.

Fuente LED de alta potencia incluida y ópticas retrocedidas equipadas con difusor de rejilla antideslumbrante. Alimentación 220-240 V on-off y regulable 1-10V y DALI.
La caja de montaje para la instalación obligatoria debe pedirse por separado.
Precableado con conectores rápidos $H_2O$ Stop toma/enchufe incluidos.
ACT (Anti Corrosion Treatment) bajo petición.

### Optic Spot 16º

**Power Led:** 12,5W - LED 1304 lm ≠ OUTPUT 702 lm - 2200K/CRI 80 / 12,5W - LED 1352 lm ≠ OUTPUT 728 lm - 2700K/CRI 80 / 12,5W - LED 1449 lm ≠ OUTPUT 780 lm - 3000K/CRI 80 / 12,5W - LED 1497 lm ≠ OUTPUT 806 lm - 4000K/CRI 80

| 2200K | 2700K | 3000K | 4000K |
|---|---|---|---|
| Non Dimmable | Non Dimmable | Non Dimmable | Non Dimmable |
| ○ F017N1HA006 | ○ F017N2HA006 | ○ F017N3HA006 | ○ F017N4HA006 |
| ● F017N1HA033 | ● F017N2HA033 | ● F017N3HA033 | ● F017N4HA033 |
| 1-10V | 1-10V | 1-10V | 1-10V |
| ○ F017N1HB006 | ○ F017N2HB006 | ○ F017N3HB006 | ○ F017N4HB006 |
| ● F017N1HB033 | ● F017N2HB033 | ● F017N3HB033 | ● F017N4HB033 |
| Dali | Dali | Dali | Dali |
| ○ F017N1HD006 | ○ F017N2HD006 | ○ F017N3HD006 | ○ F017N4HD006 |
| ● F017N1HD033 | ● F017N2HD033 | ● F017N3HD033 | ● F017N4HD033 |



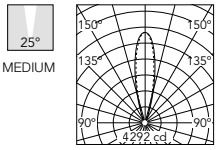

@3000K

| Beam Angle: | 16° | |
|---|---|---|
| h(m) | E(lx) | D(m) |
| 1 | 6332 | 0.28 |
| 2 | 1583 | 0.56 |
| 3 | 704 | 0.83 |
| 4 | 396 | 1.11 |
| 5 | 253 | 1.39 |

### Optic Medium 25º

**Power Led:** 12,5W - LED 1304 lm ≠ OUTPUT 744 lm - 2200K/CRI 80 / 12,5W - LED 1352 lm ≠ OUTPUT 772 lm - 2700K/CRI 80 / 12,5W - LED 1449 lm ≠ OUTPUT 827 lm - 3000K/CRI 80 / 12,5W - LED 1497 lm ≠ OUTPUT 854 lm - 4000K/CRI 80

| 2200K | 2700K | 3000K | 4000K |
|---|---|---|---|
| Non Dimmable | Non Dimmable | Non Dimmable | Non Dimmable |
| ○ F017N1JA006 | ○ F017N2JA006 | ○ F017N3JA006 | ○ F017N4JA006 |
| ● F017N1JA033 | ● F017N2JA033 | ● F017N3JA033 | ● F017N4JA033 |
| 1-10V | 1-10V | 1-10V | 1-10V |
| ○ F017N1JB006 | ○ F017N2JB006 | ○ F017N3JB006 | ○ F017N4JB006 |
| ● F017N1JB033 | ● F017N2JB033 | ● F017N3JB033 | ● F017N4JB033 |
| Dali | Dali | Dali | Dali |
| ○ F017N1JD006 | ○ F017N2JD006 | ○ F017N3JD006 | ○ F017N4JD006 |
| ● F017N1JD033 | ● F017N2JD033 | ● F017N3JD033 | ● F017N4JD033 |



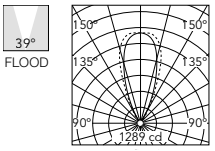

@3000K

| Beam Angle: | 25° | |
|---|---|---|
| h(m) | E(lx) | D(m) |
| 1 | 4292 | 0.44 |
| 2 | 1073 | 0.87 |
| 3 | 477 | 1.31 |
| 4 | 268 | 1.74 |
| 5 | 172 | 2.18 |

### Optic Flood 39º

**Power Led:** 12,5W - LED 1304 lm ≠ OUTPUT 576 lm - 2200K/CRI 80 / 12,5W - LED 1352 lm ≠ OUTPUT 597 lm - 2700K/CRI 80 / 12,5W - LED 1449 lm ≠ OUTPUT 639 lm - 3000K/CRI 80 / 12,5W - LED 1497 lm ≠ OUTPUT 661 lm - 4000K/CRI 80

| 2200K | 2700K | 3000K | 4000K |
|---|---|---|---|
| Non Dimmable | Non Dimmable | Non Dimmable | Non Dimmable |
| ○ F017N1KA006 | ○ F017N2KA006 | ○ F017N3KA006 | ○ F017N4KA006 |
| ● F017N1KA033 | ● F017N2KA033 | ● F017N3KA033 | ● F017N4KA033 |
| 1-10V | 1-10V | 1-10V | 1-10V |
| ○ F017N1KB006 | ○ F017N2KB006 | ○ F017N3KB006 | ○ F017N4KB006 |
| ● F017N1KB033 | ● F017N2KB033 | ● F017N3KB033 | ● F017N4KB033 |
| Dali | Dali | Dali | Dali |
| ○ F017N1KD006 | ○ F017N2KD006 | ○ F017N3KD006 | ○ F017N4KD006 |
| ● F017N1KD033 | ● F017N2KD033 | ● F017N3KD033 | ● F017N4KD033 |



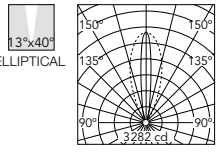

@3000K

| Beam Angle: | 39° | |
|---|---|---|
| h(m) | E(lx) | D(m) |
| 1 | 1285 | 0.71 |
| 2 | 321 | 1.43 |
| 3 | 143 | 2.14 |
| 4 | 80 | 2.86 |
| 5 | 51 | 3.57 |

### Optic Elliptical 13º x 40º

**Power Led:** 12,5W - LED 1304 lm ≠ OUTPUT 574 lm - 2200K/CRI 80 / 12,5W - LED 1352 lm ≠ OUTPUT 595 lm - 2700K/CRI 80 / 12,5W - LED 1449 lm ≠ OUTPUT 638 lm - 3000K/CRI 80 / 12,5W - LED 1497 lm ≠ OUTPUT 659 lm - 4000K/CRI 80

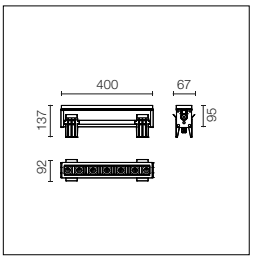
| 2200K | 2700K | 3000K | 4000K |
|---|---|---|---|
| Non Dimmable | Non Dimmable | Non Dimmable | Non Dimmable |
| ○ F017N1LA006 | ○ F017N2LA006 | ○ F017N3LA006 | ○ F017N4LA006 |
| ● F017N1LA033 | ● F017N2LA033 | ● F017N3LA033 | ● F017N4LA033 |
| 1-10V | 1-10V | 1-10V | 1-10V |
| ○ F017N1LB006 | ○ F017N2LB006 | ○ F017N3LB006 | ○ F017N4LB006 |
| ● F017N1LB033 | ● F017N2LB033 | ● F017N3LB033 | ● F017N4LB033 |
| Dali | Dali | Dali | Dali |
| ○ F017N1LD006 | ○ F017N2LD006 | ○ F017N3LD006 | ○ F017N4LD006 |
| ● F017N1LD033 | ● F017N2LD033 | ● F017N3LD033 | ● F017N4LD033 |

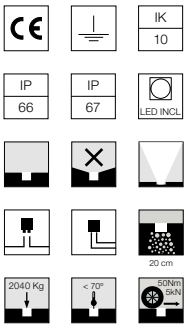



@3000K

| Beam Angle: | 13° | |
|---|---|---|
| h(m) | E(lx) | D(m) |
| 1 | 3282 | 0.22 |
| 2 | 820 | 0.44 |
| 3 | 365 | 0.67 |
| 4 | 205 | 0.89 |
| 5 | 131 | 1.11 |

## Ingraze Adjustable Frameless + Asymmetric Louvre L 400




High-power LED source included and rear lenses equipped with anti-glare asymmetrical diffuser grille. 1-10V or DALI on-off and dimmable 220-240V power supply. Compulsory installation box to be ordered separately. Pre-wired with $H_2O$ Stop quick connectors, plug/socket included. ACT (Anti-Corrosion Treatment) upon request.

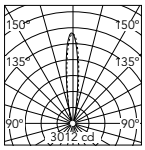
Fuente LED de alta potencia incluida y ópticas retrocedidas equipadas con difusor de rejilla asimétrico antideslumbrante. Alimentación 220-240 V on-off y regulable 1-10V y DALI. La caja de montaje para la instalación obligatoria debe pedirse por separado. Precableado con conectores rápidos $H_2O$ Stop toma/enchufe incluidos. ACT (Anti Corrosion Treatment) bajo petición.

### Optic Spot 15º

**Power Led:** 12,5W - LED 1304 lm ≠ OUTPUT 334 lm - 2200K/CRI 80 / 12,5W - LED 1352 lm ≠ OUTPUT 346 lm - 2700K/CRI 80 / 12,5W - LED 1449 lm ≠ OUTPUT 371 lm - 3000K/CRI 80 / 12,5W - LED 1497 lm ≠ OUTPUT 383 lm - 4000K/CRI 80

| 2200K | 2700K | 3000K | 4000K |
|---|---|---|---|
| Non Dimmable | Non Dimmable | Non Dimmable | Non Dimmable |
| ● F017N1QA006 | ● F017N2QA006 | ● F017N3QA006 | ● F017N4QA006 |
| ● F017N1QA033 | ● F017N2QA033 | ● F017N3QA033 | ● F017N4QA033 |
| 1-10V | 1-10V | 1-10V | 1-10V |
| ● F017N1QB006 | ● F017N2QB006 | ● F017N3QB006 | ● F017N4QB006 |
| ● F017N1QB033 | ● F017N2QB033 | ● F017N3QB033 | ● F017N4QB033 |
| Dali | Dali | Dali | Dali |
| ● F017N1QD006 | ● F017N2QD006 | ● F017N3QD006 | ● F017N4QD006 |
| ● F017N1QD033 | ● F017N2QD033 | ● F017N3QD033 | ● F017N4QD033 |

15°
SPOT




@3000K

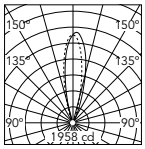
| Beam Angle: | | 15° |
|---|---|---|
| h(m) | E(lx) | D(m) |
| 1 | 3010 | 0.25 |
| 2 | 753 | 0.51 |
| 3 | 334 | 0.76 |
| 4 | 188 | 1.02 |
| 5 | 120 | 1.27 |

### Optic Medium 25º

**Power Led:** 12,5W - LED 1304 lm ≠ OUTPUT 353 lm - 2200K/CRI 80 / 12,5W - LED 1352 lm ≠ OUTPUT 367 lm - 2700K/CRI 80 / 12,5W - LED 1449 lm ≠ OUTPUT 393 lm - 3000K/CRI 80 / 12,5W - LED 1497 lm ≠ OUTPUT 406 lm - 4000K/CRI 80

| 2200K | 2700K | 3000K | 4000K |
|---|---|---|---|
| Non Dimmable | Non Dimmable | Non Dimmable | Non Dimmable |
| ● F017N1RA006 | ● F017N2RA006 | ● F017N3RA006 | ● F017N4RA006 |
| ● F017N1RA033 | ● F017N2RA033 | ● F017N3RA033 | ● F017N4RA033 |
| 1-10V | 1-10V | 1-10V | 1-10V |
| ● F017N1RB006 | ● F017N2RB006 | ● F017N3RB006 | ● F017N4RB006 |
| ● F017N1RB033 | ● F017N2RB033 | ● F017N3RB033 | ● F017N4RB033 |
| Dali | Dali | Dali | Dali |
| ● F017N1RD006 | ● F017N2RD006 | ● F017N3RD006 | ● F017N4RD006 |
| ● F017N1RD033 | ● F017N2RD033 | ● F017N3RD033 | ● F017N4RD033 |

25°
MEDIUM




@3000K

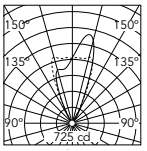
| Beam Angle: | | 25° |
|---|---|---|
| h(m) | E(lx) | D(m) |
| 1 | 1955 | 0.45 |
| 2 | 489 | 0.89 |
| 3 | 217 | 1.34 |
| 4 | 122 | 1.78 |
| 5 | 78 | 2.23 |

### Optic Flood 42º

**Power Led:** 12,5W - LED 1304 lm ≠ OUTPUT 283 lm - 2200K/CRI 80 / 12,5W - LED 1352 lm ≠ OUTPUT 294 lm - 2700K/CRI 80 / 12,5W - LED 1449 lm ≠ OUTPUT 314 lm - 3000K/CRI 80 / 12,5W - LED 1497 lm ≠ OUTPUT 325 lm - 4000K/CRI 80

| 2200K | 2700K | 3000K | 4000K |
|---|---|---|---|
| Non Dimmable | Non Dimmable | Non Dimmable | Non Dimmable |
| ● F017N1SA006 | ● F017N2SA006 | ● F017N3SA006 | ● F017N4SA006 |
| ● F017N1SA033 | ● F017N2SA033 | ● F017N3SA033 | ● F017N4SA033 |
| 1-10V | 1-10V | 1-10V | 1-10V |
| ● F017N1SB006 | ● F017N2SB006 | ● F017N3SB006 | ● F017N4SB006 |
| ● F017N1SB033 | ● F017N2SB033 | ● F017N3SB033 | ● F017N4SB033 |
| Dali | Dali | Dali | Dali |
| ● F017N1SD006 | ● F017N2SD006 | ● F017N3SD006 | ● F017N4SD006 |
| ● F017N1SD033 | ● F017N2SD033 | ● F017N3SD033 | ● F017N4SD033 |

42°
FLOOD




@3000K

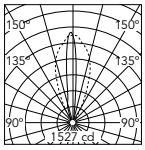
| Beam Angle: | | 42° |
|---|---|---|
| h(m) | E(lx) | D(m) |
| 1 | 688 | 0.76 |
| 2 | 172 | 1.51 |
| 3 | 76 | 2.27 |
| 4 | 43 | 3.03 |
| 5 | 28 | 3.78 |

### Optic Elliptical 12º x 40º

**Power Led:** 12,5W - LED 1304 lm ≠ OUTPUT 271 lm - 2200K/CRI 80 / 12,5W - LED 1352 lm ≠ OUTPUT 281 lm - 2700K/CRI 80 / 12,5W - LED 1449 lm ≠ OUTPUT 301 lm - 3000K/CRI 80 / 12,5W - LED 1497 lm ≠ OUTPUT 311 lm - 4000K/CRI 80

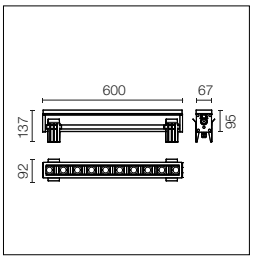
| 2200K | 2700K | 3000K | 4000K |
|---|---|---|---|
| Non Dimmable | Non Dimmable | Non Dimmable | Non Dimmable |
| ● F017N1TA006 | ● F017N2TA006 | ● F017N3TA006 | ● F017N4TA006 |
| ● F017N1TA033 | ● F017N2TA033 | ● F017N3TA033 | ● F017N4TA033 |
| 1-10V | 1-10V | 1-10V | 1-10V |
| ● F017N1TB006 | ● F017N2TB006 | ● F017N3TB006 | ● F017N4TB006 |
| ● F017N1TB033 | ● F017N2TB033 | ● F017N3TB033 | ● F017N4TB033 |
| Dali | Dali | Dali | Dali |
| ● F017N1TD006 | ● F017N2TD006 | ● F017N3TD006 | ● F017N4TD006 |
| ● F017N1TD033 | ● F017N2TD033 | ● F017N3TD033 | ● F017N4TD033 |

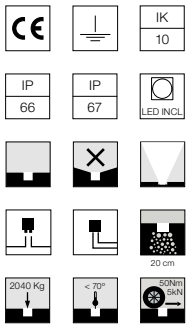
12°x40°
ELLIPTICAL




@3000K

| Beam Angle: | | 12° |
|---|---|---|
| h(m) | E(lx) | D(m) |
| 1 | 1526 | 0.21 |
| 2 | 382 | 0.42 |
| 3 | 170 | 0.62 |
| 4 | 95 | 0.83 |
| 5 | 61 | 1.04 |



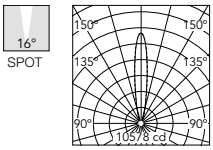

High-power LED source included and rear lenses. 1-10V or DALI on-off and dimmable 220-240V power supply.
Compulsory installation box to be ordered separately.
Pre-wired with $H_2O$ Stop quick connectors, plug/socket included.
ACT (Anti-Corrosion Treatment) upon request.

Fuente LED de alta potencia incluida y ópticas retrocedidas.
Alimentación 220-240 V on-off y regulable 1-10V y DALI.
La caja de montaje para la instalación obligatoria debe pedirse por separado.
Precableado con conectores rápidos $H_2O$ Stop toma/enchufe incluidos.
ACT (Anti Corrosion Treatment) bajo petición.

### Optic Spot 16º

**Power Led:** 17W - LED 1863 lm ≠ OUTPUT 1368 lm - 2200K/CRI 80 / 17W - LED 1932 lm ≠ OUTPUT 1419 lm - 2700K/CRI 80 / 17W - LED 2070 lm ≠ OUTPUT 1520 lm - 3000K/CRI 80 / 17W - LED 2139 lm ≠ OUTPUT 1571 lm - 4000K/CRI 80

| 2200K | 2700K | 3000K | 4000K |
|---|---|---|---|
| Non Dimmable | Non Dimmable | Non Dimmable | Non Dimmable |
| ○ F017P1AA006 | ○ F017P2AA006 | ○ F017P3AA006 | ○ F017P4AA006 |
| ● F017P1AA033 | ● F017P2AA033 | ● F017P3AA033 | ● F017P4AA033 |
| 1-10V | 1-10V | 1-10V | 1-10V |
| ○ F017P1AB006 | ○ F017P2AB006 | ○ F017P3AB006 | ○ F017P4AB006 |
| ● F017P1AB033 | ● F017P2AB033 | ● F017P3AB033 | ● F017P4AB033 |
| Dali | Dali | Dali | Dali |
| ○ F017P1AD006 | ○ F017P2AD006 | ○ F017P3AD006 | ○ F017P4AD006 |
| ● F017P1AD033 | ● F017P2AD033 | ● F017P3AD033 | ● F017P4AD033 |



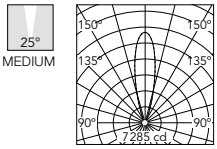

@3000K

| Beam Angle: | 16° | |
|---|---|---|
| h(m) | E(lx) | D(m) |
| 1 | 10578 | 0.27 |
| 2 | 2644 | 0.55 |
| 3 | 1175 | 0.82 |
| 4 | 661 | 1.09 |
| 5 | 423 | 1.37 |

### Optic Medium 25º

**Power Led:** 17W - LED 1863 lm ≠ OUTPUT 1473 lm - 2200K/CRI 80 / 17W - LED 1932 lm ≠ OUTPUT 1527 lm - 2700K/CRI 80 / 17W - LED 2070 lm ≠ OUTPUT 1636 lm - 3000K/CRI 80 / 17W - LED 2139 lm ≠ OUTPUT 1691 lm - 4000K/CRI 80

| 2200K | 2700K | 3000K | 4000K |
|---|---|---|---|
| Non Dimmable | Non Dimmable | Non Dimmable | Non Dimmable |
| ○ F017P1BA006 | ○ F017P2BA006 | ○ F017P3BA006 | ○ F017P4BA006 |
| ● F017P1BA033 | ● F017P2BA033 | ● F017P3BA033 | ● F017P4BA033 |
| 1-10V | 1-10V | 1-10V | 1-10V |
| ○ F017P1BB006 | ○ F017P2BB006 | ○ F017P3BB006 | ○ F017P4BB006 |
| ● F017P1BB033 | ● F017P2BB033 | ● F017P3BB033 | ● F017P4BB033 |
| Dali | Dali | Dali | Dali |
| ○ F017P1BD006 | ○ F017P2BD006 | ○ F017P3BD006 | ○ F017P4BD006 |
| ● F017P1BD033 | ● F017P2BD033 | ● F017P3BD033 | ● F017P4BD033 |



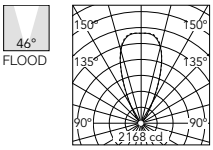

@3000K

| Beam Angle: | 25° | |
|---|---|---|
| h(m) | E(lx) | D(m) |
| 1 | 7285 | 0.44 |
| 2 | 1821 | 0.88 |
| 3 | 809 | 1.32 |
| 4 | 455 | 1.76 |
| 5 | 291 | 2.20 |

### Optic Flood 46º

**Power Led:** 17W - LED 1863 lm ≠ OUTPUT 1283 lm - 2200K/CRI 80 / 17W - LED 1932 lm ≠ OUTPUT 1330 lm - 2700K/CRI 80 / 17W - LED 2070 lm ≠ OUTPUT 1425 lm - 3000K/CRI 80 / 17W - LED 2139 lm ≠ OUTPUT 1473 lm - 4000K/CRI 80

| 2200K | 2700K | 3000K | 4000K |
|---|---|---|---|
| Non Dimmable | Non Dimmable | Non Dimmable | Non Dimmable |
| ○ F017P1CA006 | ○ F017P2CA006 | ○ F017P3CA006 | ○ F017P4CA006 |
| ● F017P1CA033 | ● F017P2CA033 | ● F017P3CA033 | ● F017P4CA033 |
| 1-10V | 1-10V | 1-10V | 1-10V |
| ○ F017P1CB006 | ○ F017P2CB006 | ○ F017P3CB006 | ○ F017P4CB006 |
| ● F017P1CB033 | ● F017P2CB033 | ● F017P3CB033 | ● F017P4CB033 |
| Dali | Dali | Dali | Dali |
| ○ F017P1CD006 | ○ F017P2CD006 | ○ F017P3CD006 | ○ F017P4CD006 |
| ● F017P1CD033 | ● F017P2CD033 | ● F017P3CD033 | ● F017P4CD033 |



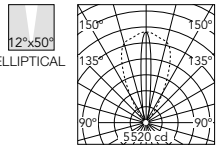

@3000K

| Beam Angle: | 46° | |
|---|---|---|
| h(m) | E(lx) | D(m) |
| 1 | 2158 | 0.85 |
| 2 | 539 | 1.71 |
| 3 | 240 | 2.56 |
| 4 | 135 | 3.42 |
| 5 | 86 | 4.27 |

### Optic Elliptical 12º x 50º

**Power Led:** 17W - LED 1863 lm ≠ OUTPUT 1286 lm - 2200K/CRI 80 / 17W - LED 1932 lm ≠ OUTPUT 1334 lm - 2700K/CRI 80 / 17W - LED 2070 lm ≠ OUTPUT 1429 lm - 3000K/CRI 80 / 17W - LED 2139 lm ≠ OUTPUT 1477 lm - 4000K/CRI 80

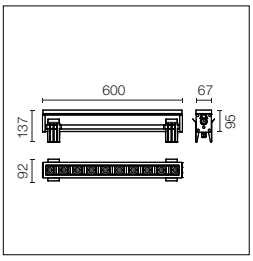
| 2200K | 2700K | 3000K | 4000K |
|---|---|---|---|
| Non Dimmable | Non Dimmable | Non Dimmable | Non Dimmable |
| ○ F017P1DA006 | ○ F017P2DA006 | ○ F017P3DA006 | ○ F017P4DA006 |
| ● F017P1DA033 | ● F017P2DA033 | ● F017P3DA033 | ● F017P4DA033 |
| 1-10V | 1-10V | 1-10V | 1-10V |
| ○ F017P1DB006 | ○ F017P2DB006 | ○ F017P3DB006 | ○ F017P4DB006 |
| ● F017P1DB033 | ● F017P2DB033 | ● F017P3DB033 | ● F017P4DB033 |
| Dali | Dali | Dali | Dali |
| ○ F017P1DD006 | ○ F017P2DD006 | ○ F017P3DD006 | ○ F017P4DD006 |
| ● F017P1DD033 | ● F017P2DD033 | ● F017P3DD033 | ● F017P4DD033 |

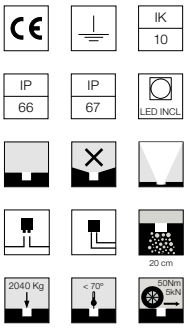



@3000K

| Beam Angle: | 12° | |
|---|---|---|
| h(m) | E(lx) | D(m) |
| 1 | 5519 | 0.22 |
| 2 | 1380 | 0.44 |
| 3 | 613 | 0.66 |
| 4 | 345 | 0.87 |
| 5 | 221 | 1.09 |

## Ingraze Adjustable Frameless + Linear Louvre L 600



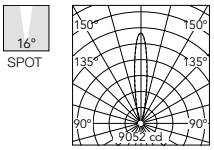

High-power LED source included and rear lenses equipped with anti-glare diffuser grille. 1-10V or DALI on-off and dimmable 220-240V power supply.
Compulsory installation box to be ordered separately.
Pre-wired with $H_2O$ Stop quick connectors, plug/socket included.
ACT (Anti-Corrosion Treatment) upon request.

Fuente LED de alta potencia incluida y ópticas retrocedidas equipadas con difusor de rejilla antideslumbrante. Alimentación 220-240 V on-off y regulable 1-10V y DALI.
La caja de montaje para la instalación obligatoria debe pedirse por separado.
Precableado con conectores rápidos $H_2O$ Stop toma/enchufe incluidos.
ACT (Anti Corrosion Treatment) bajo petición.

### Optic Spot 16º

**Power Led:** 17W - LED 1863 lm ≠ OUTPUT 1003 lm - 2200K/CRI 80 / 17W - LED 1932 lm ≠ OUTPUT 1040 lm - 2700K/CRI 80 / 17W - LED 2070 lm ≠ OUTPUT 1115 lm - 3000K/CRI 80 / 17W - LED 2139 lm ≠ OUTPUT 1152 lm - 4000K/CRI 80

| 2200K | 2700K | 3000K | 4000K |
|---|---|---|---|
| Non Dimmable | Non Dimmable | Non Dimmable | Non Dimmable |
| ○ F017P1HA006 | ○ F017P2HA006 | ○ F017P3HA006 | ○ F017P4HA006 |
| ● F017P1HA033 | ● F017P2HA033 | ● F017P3HA033 | ● F017P4HA033 |
| 1-10V | 1-10V | 1-10V | 1-10V |
| ○ F017P1HB006 | ○ F017P2HB006 | ○ F017P3HB006 | ○ F017P4HB006 |
| ● F017P1HB033 | ● F017P2HB033 | ● F017P3HB033 | ● F017P4HB033 |
| Dali | Dali | Dali | Dali |
| ○ F017P1HD006 | ○ F017P2HD006 | ○ F017P3HD006 | ○ F017P4HD006 |
| ● F017P1HD033 | ● F017P2HD033 | ● F017P3HD033 | ● F017P4HD033 |




Beam Angle: 16°

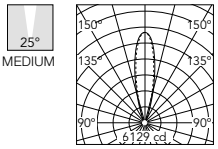
| h(m) | E(lx) | D(m) |
|---|---|---|
| 1 | 9052 | 0.28 |
| 2 | 2263 | 0.56 |
| 3 | 1006 | 0.83 |
| 4 | 566 | 1.11 |
| 5 | 362 | 1.39 |

@3000K

### Optic Medium 25º

**Power Led:** 17W - LED 1863 lm ≠ OUTPUT 1063 lm - 2200K/CRI 80 / 17W - LED 1932 lm ≠ OUTPUT 1102 lm - 2700K/CRI 80 / 17W - LED 2070 lm ≠ OUTPUT 1181 lm - 3000K/CRI 80 / 17W - LED 2139 lm ≠ OUTPUT 1220 lm - 4000K/CRI 80

| 2200K | 2700K | 3000K | 4000K |
|---|---|---|---|
| Non Dimmable | Non Dimmable | Non Dimmable | Non Dimmable |
| ○ F017P1JA006 | ○ F017P2JA006 | ○ F017P3JA006 | ○ F017P4JA006 |
| ● F017P1JA033 | ● F017P2JA033 | ● F017P3JA033 | ● F017P4JA033 |
| 1-10V | 1-10V | 1-10V | 1-10V |
| ○ F017P1JB006 | ○ F017P2JB006 | ○ F017P3JB006 | ○ F017P4JB006 |
| ● F017P1JB033 | ● F017P2JB033 | ● F017P3JB033 | ● F017P4JB033 |
| Dali | Dali | Dali | Dali |
| ○ F017P1JD006 | ○ F017P2JD006 | ○ F017P3JD006 | ○ F017P4JD006 |
| ● F017P1JD033 | ● F017P2JD033 | ● F017P3JD033 | ● F017P4JD033 |




Beam Angle: 25°

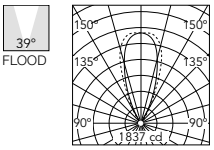
| h(m) | E(lx) | D(m) |
|---|---|---|
| 1 | 6129 | 0.44 |
| 2 | 1532 | 0.87 |
| 3 | 681 | 1.31 |
| 4 | 383 | 1.74 |
| 5 | 245 | 2.18 |

@3000K

### Optic Flood 39º

**Power Led:** 17W - LED 1863 lm ≠ OUTPUT 820 lm - 2200K/CRI 80 / 17W - LED 1932 lm ≠ OUTPUT 850 lm - 2700K/CRI 80 / 17W - LED 2070 lm ≠ OUTPUT 911 lm - 3000K/CRI 80 / 17W - LED 2139 lm ≠ OUTPUT 944 lm - 4000K/CRI 80

| 2200K | 2700K | 3000K | 4000K |
|---|---|---|---|
| Non Dimmable | Non Dimmable | Non Dimmable | Non Dimmable |
| ○ F017P1KA006 | ○ F017P2KA006 | ○ F017P3KA006 | ○ F017P4KA006 |
| ● F017P1KA033 | ● F017P2KA033 | ● F017P3KA033 | ● F017P4KA033 |
| 1-10V | 1-10V | 1-10V | 1-10V |
| ○ F017P1KB006 | ○ F017P2KB006 | ○ F017P3KB006 | ○ F017P4KB006 |
| ● F017P1KB033 | ● F017P2KB033 | ● F017P3KB033 | ● F017P4KB033 |
| Dali | Dali | Dali | Dali |
| ○ F017P1KD006 | ○ F017P2KD006 | ○ F017P3KD006 | ○ F017P4KD006 |
| ● F017P1KD033 | ● F017P2KD033 | ● F017P3KD033 | ● F017P4KD033 |




Beam Angle: 39°

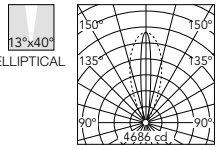
| h(m) | E(lx) | D(m) |
|---|---|---|
| 1 | 1832 | 0.71 |
| 2 | 458 | 1.43 |
| 3 | 204 | 2.14 |
| 4 | 115 | 2.86 |
| 5 | 73 | 3.57 |

@3000K

### Optic Elliptical 13º x 40º

**Power Led:** 17W - LED 1863 lm ≠ OUTPUT 820 lm - 2200K/CRI 80 / 17W - LED 1932 lm ≠ OUTPUT 850 lm - 2700K/CRI 80 / 17W - LED 2070 lm ≠ OUTPUT 911 lm - 3000K/CRI 80 / 17W - LED 2139 lm ≠ OUTPUT 941 lm - 4000K/CRI 80

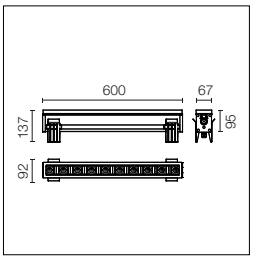
| 2200K | 2700K | 3000K | 4000K |
|---|---|---|---|
| Non Dimmable | Non Dimmable | Non Dimmable | Non Dimmable |
| ○ F017P1LA006 | ○ F017P2LA006 | ○ F017P3LA006 | ○ F017P4LA006 |
| ● F017P1LA033 | ● F017P2LA033 | ● F017P3LA033 | ● F017P4LA033 |
| 1-10V | 1-10V | 1-10V | 1-10V |
| ○ F017P1LB006 | ○ F017P2LB006 | ○ F017P3LB006 | ○ F017P4LB006 |
| ● F017P1LB033 | ● F017P2LB033 | ● F017P3LB033 | ● F017P4LB033 |
| Dali | Dali | Dali | Dali |
| ○ F017P1LD006 | ○ F017P2LD006 | ○ F017P3LD006 | ○ F017P4LD006 |
| ● F017P1LD033 | ● F017P2LD033 | ● F017P3LD033 | ● F017P4LD033 |

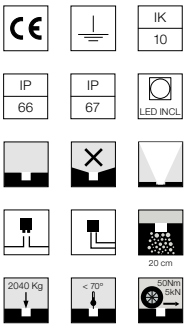



Beam Angle: 13°

| h(m) | E(lx) | D(m) |
|---|---|---|
| 1 | 4686 | 0.22 |
| 2 | 1172 | 0.44 |
| 3 | 521 | 0.67 |
| 4 | 293 | 0.89 |
| 5 | 187 | 1.11 |

@3000K




High-power LED source included and rear lenses equipped with anti-glare asymmetrical diffuser grille.
1-10V or DALI on-off and dimmable 220-240V power supply.
Compulsory installation box to be ordered separately.
Pre-wired with $H_2O$ Stop quick connectors, plug/socket included.
ACT (Anti-Corrosion Treatment) upon request.

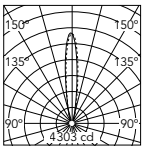
Fuente LED de alta potencia incluida y ópticas retrocedidas equipadas con difusor de rejilla asimétrico antideslumbrante.
Alimentación 220-240 V on-off y regulable 1-10V y DALI.
La caja de montaje para la instalación obligatoria debe pedirse por separado.
Precableado con conectores rápidos $H_2O$ Stop toma/enchufe incluidos.
ACT (Anti Corrosion Treatment) bajo petición.

### Optic Spot 15º

**Power Led:** 17W - LED 1863 lm ≠ OUTPUT 477 lm - 2200K/CRI 80 / 17W - LED 1932 lm ≠ OUTPUT 495 lm - 2700K/CRI 80 / 17W - LED 2070 lm ≠ OUTPUT 530 lm - 3000K/CRI 80 / 17W - LED 2139 lm ≠ OUTPUT 548 lm - 4000K/CRI 80

| 2200K | 2700K | 3000K | 4000K |
|---|---|---|---|
| Non Dimmable | Non Dimmable | Non Dimmable | Non Dimmable |
| ● F017P1QA006 | ● F017P2QA006 | ● F017P3QA006 | ● F017P4QA006 |
| ● F017P1QA033 | ● F017P2QA033 | ● F017P3QA033 | ● F017P4QA033 |
| 1-10V | 1-10V | 1-10V | 1-10V |
| ● F017P1QB006 | ● F017P2QB006 | ● F017P3QB006 | ● F017P4QB006 |
| ● F017P1QB033 | ● F017P2QB033 | ● F017P3QB033 | ● F017P4QB033 |
| Dali | Dali | Dali | Dali |
| ● F017P1QD006 | ● F017P2QD006 | ● F017P3QD006 | ● F017P4QD006 |
| ● F017P1QD033 | ● F017P2QD033 | ● F017P3QD033 | ● F017P4QD033 |

15°
SPOT




@3000K

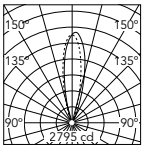
| Beam Angle: | 15° | |
|---|---|---|
| h(m) | E(lx) | D(m) |
| 1 | 4300 | 0.25 |
| 2 | 1075 | 0.51 |
| 3 | 478 | 0.76 |
| 4 | 269 | 1.02 |
| 5 | 172 | 1.27 |

### Optic Medium 25º

**Power Led:** 17W - LED 1863 lm ≠ OUTPUT 505 lm - 2200K/CRI 80 / 17W - LED 1932 lm ≠ OUTPUT 523 lm - 2700K/CRI 80 / 17W - LED 2070 lm ≠ OUTPUT 561 lm - 3000K/CRI 80 / 17W - LED 2139 lm ≠ OUTPUT 579 lm - 4000K/CRI 80

| 2200K | 2700K | 3000K | 4000K |
|---|---|---|---|
| Non Dimmable | Non Dimmable | Non Dimmable | Non Dimmable |
| ● F017P1RA006 | ● F017P2RA006 | ● F017P3RA006 | ● F017P4RA006 |
| ● F017P1RA033 | ● F017P2RA033 | ● F017P3RA033 | ● F017P4RA033 |
| 1-10V | 1-10V | 1-10V | 1-10V |
| ● F017P1RB006 | ● F017P2RB006 | ● F017P3RB006 | ● F017P4RB006 |
| ● F017P1RB033 | ● F017P2RB033 | ● F017P3RB033 | ● F017P4RB033 |
| Dali | Dali | Dali | Dali |
| ● F017P1RD006 | ● F017P2RD006 | ● F017P3RD006 | ● F017P4RD006 |
| ● F017P1RD033 | ● F017P2RD033 | ● F017P3RD033 | ● F017P4RD033 |

25°
MEDIUM




@3000K

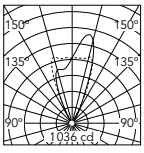
| Beam Angle: | 25° | |
|---|---|---|
| h(m) | E(lx) | D(m) |
| 1 | 2790 | 0.45 |
| 2 | 698 | 0.89 |
| 3 | 310 | 1.34 |
| 4 | 174 | 1.78 |
| 5 | 112 | 2.23 |

### Optic Flood 42º

**Power Led:** 17W - LED 1863 lm ≠ OUTPUT 404 lm - 2200K/CRI 80 / 17W - LED 1932 lm ≠ OUTPUT 419 lm - 2700K/CRI 80 / 17W - LED 2070 lm ≠ OUTPUT 449 lm - 3000K/CRI 80 / 17W - LED 2139 lm ≠ OUTPUT 464 lm - 4000K/CRI 80

| 2200K | 2700K | 3000K | 4000K |
|---|---|---|---|
| Non Dimmable | Non Dimmable | Non Dimmable | Non Dimmable |
| ● F017P1SA006 | ● F017P2SA006 | ● F017P3SA006 | ● F017P4SA006 |
| ● F017P1SA033 | ● F017P2SA033 | ● F017P3SA033 | ● F017P4SA033 |
| 1-10V | 1-10V | 1-10V | 1-10V |
| ● F017P1SB006 | ● F017P2SB006 | ● F017P3SB006 | ● F017P4SB006 |
| ● F017P1SB033 | ● F017P2SB033 | ● F017P3SB033 | ● F017P4SB033 |
| Dali | Dali | Dali | Dali |
| ● F017P1SD006 | ● F017P2SD006 | ● F017P3SD006 | ● F017P4SD006 |
| ● F017P1SD033 | ● F017P2SD033 | ● F017P3SD033 | ● F017P4SD033 |

42°
FLOOD




@3000K

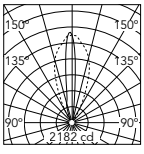
| Beam Angle: | 42° | |
|---|---|---|
| h(m) | E(lx) | D(m) |
| 1 | 983 | 0.76 |
| 2 | 246 | 1.51 |
| 3 | 109 | 2.27 |
| 4 | 61 | 3.03 |
| 5 | 39 | 3.78 |

### Optic Elliptical 12º x 40º

**Power Led:** 17W - LED 1863 lm ≠ OUTPUT 387 lm - 2200K/CRI 80 / 17W - LED 1932 lm ≠ OUTPUT 401 lm - 2700K/CRI 80 / 17W - LED 2070 lm ≠ OUTPUT 430 lm - 3000K/CRI 80 / 17W - LED 2139 lm ≠ OUTPUT 444 lm - 4000K/CRI 80

| 2200K | 2700K | 3000K | 4000K |
|---|---|---|---|
| Non Dimmable | Non Dimmable | Non Dimmable | Non Dimmable |
| ● F017P1TA006 | ● F017P2TA006 | ● F017P3TA006 | ● F017P4TA006 |
| ● F017P1TA033 | ● F017P2TA033 | ● F017P3TA033 | ● F017P4TA033 |
| 1-10V | 1-10V | 1-10V | 1-10V |
| ● F017P1TB006 | ● F017P2TB006 | ● F017P3TB006 | ● F017P4TB006 |
| ● F017P1TB033 | ● F017P2TB033 | ● F017P3TB033 | ● F017P4TB033 |
| Dali | Dali | Dali | Dali |
| ● F017P1TD006 | ● F017P2TD006 | ● F017P3TD006 | ● F017P4TD006 |
| ● F017P1TD033 | ● F017P2TD033 | ● F017P3TD033 | ● F017P4TD033 |

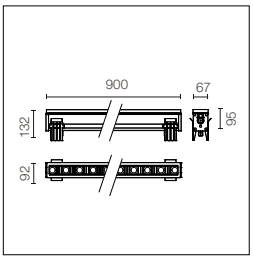
12°x40°
ELLIPTICAL

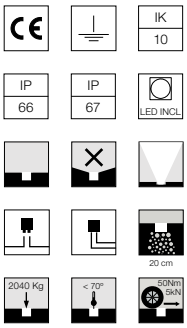



@3000K

| Beam Angle: | 12° | |
|---|---|---|
| h(m) | E(lx) | D(m) |
| 1 | 2181 | 0.21 |
| 2 | 545 | 0.42 |
| 3 | 242 | 0.62 |
| 4 | 136 | 0.83 |
| 5 | 87 | 1.04 |

## Ingraze Adjustable Frameless L 900



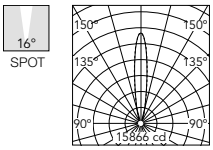

High-power LED source included and rear lenses. 1-10V or DALI on-off and dimmable 220-240V power supply.
Compulsory installation box to be ordered separately.
Pre-wired with $H_2O$ Stop quick connectors, plug/socket included.
ACT (Anti-Corrosion Treatment) upon request.

Fuente LED de alta potencia incluida y ópticas retrocedidas.
Alimentación 220-240 V on-off y regulable 1-10V y DALI.
La caja de montaje para la instalación obligatoria debe pedirse por separado.
Precableado con conectores rápidos $H_2O$ Stop toma/enchufe incluidos.
ACT (Anti Corrosion Treatment) bajo petición.

### Optic Spot 16º

**Power Led:** 26W - LED 2795 lm ≠ OUTPUT 2052 lm - 2200K/CRI 80 / 26W - LED 2898 lm ≠ OUTPUT 2128 lm - 2700K/CRI 80 / 26W - LED 3105 lm ≠ OUTPUT 2280 lm - 3000K/CRI 80 / 26W - LED 3209 lm ≠ OUTPUT 2536 lm - 4000K/CRI 80

| 2200K | 2700K | 3000K | 4000K |
|---|---|---|---|
| Non Dimmable | Non Dimmable | Non Dimmable | Non Dimmable |
| ○ F017Q1AA006 | ○ F017Q2AA006 | ○ F017Q3AA006 | ○ F017Q4AA006 |
| ● F017Q1AA033 | ● F017Q2AA033 | ● F017Q3AA033 | ● F017Q4AA033 |
| 1-10V | 1-10V | 1-10V | 1-10V |
| ○ F017Q1AB006 | ○ F017Q2AB006 | ○ F017Q3AB006 | ○ F017Q4AB006 |
| ● F017Q1AB033 | ● F017Q2AB033 | ● F017Q3AB033 | ● F017Q4AB033 |
| Dali | Dali | Dali | Dali |
| ○ F017Q1AD006 | ○ F017Q2AD006 | ○ F017Q3AD006 | ○ F017Q4AD006 |
| ● F017Q1AD033 | ● F017Q2AD033 | ● F017Q3AD033 | ● F017Q4AD033 |



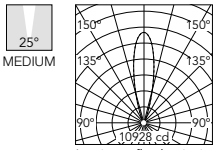

@3000K

| Beam Angle: | 16° | |
|---|---|---|
| h(m) | E(lx) | D(m) |
| 1 | 15866 | 0.27 |
| 2 | 3967 | 0.55 |
| 3 | 1763 | 0.82 |
| 4 | 992 | 1.09 |
| 5 | 635 | 1.37 |

### Optic Medium 25º

**Power Led:** 26W - LED 2795 lm ≠ OUTPUT 2209 lm - 2200K/CRI 80 / 26W - LED 2898 lm ≠ OUTPUT 2291 lm - 2700K/CRI 80 / 26W - LED 3105 lm ≠ OUTPUT 2454 lm - 3000K/CRI 80 / 26W - LED 3209 lm ≠ OUTPUT 2536 lm - 4000K/CRI 80

| 2200K | 2700K | 3000K | 4000K |
|---|---|---|---|
| Non Dimmable | Non Dimmable | Non Dimmable | Non Dimmable |
| ○ F017Q1BA006 | ○ F017Q2BA006 | ○ F017Q3BA006 | ○ F017Q4BA006 |
| ● F017Q1BA033 | ● F017Q2BA033 | ● F017Q3BA033 | ● F017Q4BA033 |
| 1-10V | 1-10V | 1-10V | 1-10V |
| ○ F017Q1BB006 | ○ F017Q2BB006 | ○ F017Q3BB006 | ○ F017Q4BB006 |
| ● F017Q1BB033 | ● F017Q2BB033 | ● F017Q3BB033 | ● F017Q4BB033 |
| Dali | Dali | Dali | Dali |
| ○ F017Q1BD006 | ○ F017Q2BD006 | ○ F017Q3BD006 | ○ F017Q4BD006 |
| ● F017Q1BD033 | ● F017Q2BD033 | ● F017Q3BD033 | ● F017Q4BD033 |



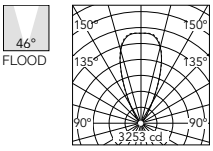

@3000K

| Beam Angle: | 25° | |
|---|---|---|
| h(m) | E(lx) | D(m) |
| 1 | 10928 | 0.44 |
| 2 | 2732 | 0.88 |
| 3 | 1214 | 1.32 |
| 4 | 683 | 1.76 |
| 5 | 437 | 2.20 |

### Optic Flood 46º

**Power Led:** 26W - LED 2795 lm ≠ OUTPUT 1924 lm - 2200K/CRI 80 / 26W - LED 2898 lm ≠ OUTPUT 1995 lm - 2700K/CRI 80 / 26W - LED 3105 lm ≠ OUTPUT 2138 lm - 3000K/CRI 80 / 26W - LED 3209 lm ≠ OUTPUT 2209 lm - 4000K/CRI 80

| 2200K | 2700K | 3000K | 4000K |
|---|---|---|---|
| Non Dimmable | Non Dimmable | Non Dimmable | Non Dimmable |
| ○ F017Q1CA006 | ○ F017Q2CA006 | ○ F017Q3CA006 | ○ F017Q4CA006 |
| ● F017Q1CA033 | ● F017Q2CA033 | ● F017Q3CA033 | ● F017Q4CA033 |
| 1-10V | 1-10V | 1-10V | 1-10V |
| ○ F017Q1CB006 | ○ F017Q2CB006 | ○ F017Q3CB006 | ○ F017Q4CB006 |
| ● F017Q1CB033 | ● F017Q2CB033 | ● F017Q3CB033 | ● F017Q4CB033 |
| Dali | Dali | Dali | Dali |
| ○ F017Q1CD006 | ○ F017Q2CD006 | ○ F017Q3CD006 | ○ F017Q4CD006 |
| ● F017Q1CD033 | ● F017Q2CD033 | ● F017Q3CD033 | ● F017Q4CD033 |



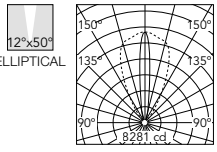

@3000K

| Beam Angle: | 46° | |
|---|---|---|
| h(m) | E(lx) | D(m) |
| 1 | 3238 | 0.85 |
| 2 | 809 | 1.71 |
| 3 | 360 | 2.56 |
| 4 | 202 | 3.42 |
| 5 | 130 | 4.27 |

### Optic Elliptical 12º x 50º

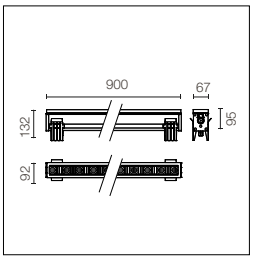
**Power Led:** 26W - LED 2795 lm ≠ OUTPUT 1929 lm - 2200K/CRI 80 / 26W - LED 2898 lm ≠ OUTPUT 2001 lm - 2700K/CRI 80 / 26W - LED 3105 lm ≠ OUTPUT 2144 lm - 3000K/CRI 80 / 26W - LED 3209 lm ≠ OUTPUT 2215 lm - 4000K/CRI 80

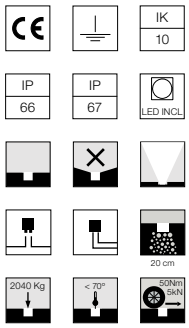
| 2200K | 2700K | 3000K | 4000K |
|---|---|---|---|
| Non Dimmable | Non Dimmable | Non Dimmable | Non Dimmable |
| ○ F017Q1DA006 | ○ F017Q2DA006 | ○ F017Q3DA006 | ○ F017Q4DA006 |
| ● F017Q1DA033 | ● F017Q2DA033 | ● F017Q3DA033 | ● F017Q4DA033 |
| 1-10V | 1-10V | 1-10V | 1-10V |
| ○ F017Q1DB006 | ○ F017Q2DB006 | ○ F017Q3DB006 | ○ F017Q4DB006 |
| ● F017Q1DB033 | ● F017Q2DB033 | ● F017Q3DB033 | ● F017Q4DB033 |
| Dali | Dali | Dali | Dali |
| ○ F017Q1DD006 | ○ F017Q2DD006 | ○ F017Q3DD006 | ○ F017Q4DD006 |
| ● F017Q1DD033 | ● F017Q2DD033 | ● F017Q3DD033 | ● F017Q4DD033 |




@3000K

| Beam Angle: | 12° | |
|---|---|---|
| h(m) | E(lx) | D(m) |
| 1 | 8280 | 0.22 |
| 2 | 2070 | 0.44 |
| 3 | 920 | 0.66 |
| 4 | 517 | 0.87 |
| 5 | 331 | 1.09 |



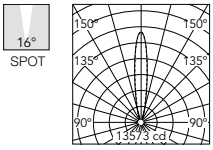

High-power LED source included and rear lenses equipped with anti-glare diffuser grille. 1-10V or DALI on-off and dimmable 220-240V power supply.
Compulsory installation box to be ordered separately.
Pre-wired with $H_2O$ Stop quick connectors, plug/socket included.
ACT (Anti-Corrosion Treatment) upon request.

Fuente LED de alta potencia incluida y ópticas retrocedidas equipadas con difusor de rejilla antideslumbrante. Alimentación 220-240 V on-off y regulable 1-10V y DALI.
La caja de montaje para la instalación obligatoria debe pedirse por separado.
Precableado con conectores rápidos $H_2O$ Stop toma/enchufe incluidos.
ACT (Anti Corrosion Treatment) bajo petición.

### Optic Spot 16º

**Power Led:** 26W - LED 2795 lm ≠ OUTPUT 1505 lm - 2200K/CRI 80 / 26W - LED 2898 lm ≠ OUTPUT 1560 lm - 2700K/CRI 80 / 26W - LED 3105 lm ≠ OUTPUT 1672 lm - 3000K/CRI 80 / 26W - LED 3209 lm ≠ OUTPUT 1728 lm - 4000K/CRI 80

| 2200K | 2700K | 3000K | 4000K |
|---|---|---|---|
| Non Dimmable | Non Dimmable | Non Dimmable | Non Dimmable |
| ● F017Q1HA006 | ● F017Q2HA006 | ● F017Q3HA006 | ● F017Q4HA006 |
| ● F017Q1HA033 | ● F017Q2HA033 | ● F017Q3HA033 | ● F017Q4HA033 |
| 1-10V | 1-10V | 1-10V | 1-10V |
| ● F017Q1HB006 | ● F017Q2HB006 | ● F017Q3HB006 | ● F017Q4HB006 |
| ● F017Q1HB033 | ● F017Q2HB033 | ● F017Q3HB033 | ● F017Q4HB033 |
| Dali | Dali | Dali | Dali |
| ● F017Q1HD006 | ● F017Q2HD006 | ● F017Q3HD006 | ● F017Q4HD006 |
| ● F017Q1HD033 | ● F017Q2HD033 | ● F017Q3HD033 | ● F017Q4HD033 |



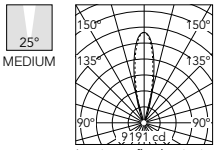

@3000K

| Beam Angle: | 16° | |
|---|---|---|
| h(m) | E(lx) | D(m) |
| 1 | 13573 | 0.28 |
| 2 | 3393 | 0.56 |
| 3 | 1508 | 0.83 |
| 4 | 848 | 1.11 |
| 5 | 543 | 1.39 |

### Optic Medium 25º

**Power Led:** 26W - LED 2795 lm ≠ OUTPUT 1594 lm - 2200K/CRI 80 / 26W - LED 2898 lm ≠ OUTPUT 1653 lm - 2700K/CRI 80 / 26W - LED 3105 lm ≠ OUTPUT 1771 lm - 3000K/CRI 80 / 26W - LED 3209 lm ≠ OUTPUT 1830 lm - 4000K/CRI 80

| 2200K | 2700K | 3000K | 4000K |
|---|---|---|---|
| Non Dimmable | Non Dimmable | Non Dimmable | Non Dimmable |
| ● F017Q1JA006 | ● F017Q2JA006 | ● F017Q3JA006 | ● F017Q4JA006 |
| ● F017Q1JA033 | ● F017Q2JA033 | ● F017Q3JA033 | ● F017Q4JA033 |
| 1-10V | 1-10V | 1-10V | 1-10V |
| ● F017Q1JB006 | ● F017Q2JB006 | ● F017Q3JB006 | ● F017Q4JB006 |
| ● F017Q1JB033 | ● F017Q2JB033 | ● F017Q3JB033 | ● F017Q4JB033 |
| Dali | Dali | Dali | Dali |
| ● F017Q1JD006 | ● F017Q2JD006 | ● F017Q3JD006 | ● F017Q4JD006 |
| ● F017Q1JD033 | ● F017Q2JD033 | ● F017Q3JD033 | ● F017Q4JD033 |



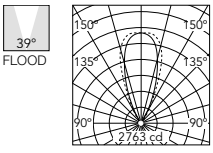

@3000K

| Beam Angle: | 25° | |
|---|---|---|
| h(m) | E(lx) | D(m) |
| 1 | 9191 | 0.44 |
| 2 | 2298 | 0.87 |
| 3 | 1021 | 1.31 |
| 4 | 574 | 1.74 |
| 5 | 368 | 2.18 |

### Optic Flood 39º

**Power Led:** 26W - LED 2795 lm ≠ OUTPUT 1233 lm - 2200K/CRI 80 / 26W - LED 2898 lm ≠ OUTPUT 1278 lm - 2700K/CRI 80 / 26W - LED 3105 lm ≠ OUTPUT 1370 lm - 3000K/CRI 80 / 26W - LED 3209 lm ≠ OUTPUT 1415 lm - 4000K/CRI 80

| 2200K | 2700K | 3000K | 4000K |
|---|---|---|---|
| Non Dimmable | Non Dimmable | Non Dimmable | Non Dimmable |
| ● F017Q1KA006 | ● F017Q2KA006 | ● F017Q3KA006 | ● F017Q4KA006 |
| ● F017Q1KA033 | ● F017Q2KA033 | ● F017Q3KA033 | ● F017Q4KA033 |
| 1-10V | 1-10V | 1-10V | 1-10V |
| ● F017Q1KB006 | ● F017Q2KB006 | ● F017Q3KB006 | ● F017Q4KB006 |
| ● F017Q1KB033 | ● F017Q2KB033 | ● F017Q3KB033 | ● F017Q4KB033 |
| Dali | Dali | Dali | Dali |
| ● F017Q1KD006 | ● F017Q2KD006 | ● F017Q3KD006 | ● F017Q4KD006 |
| ● F017Q1KD033 | ● F017Q2KD033 | ● F017Q3KD033 | ● F017Q4KD033 |



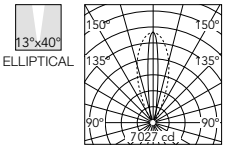

@3000K

| Beam Angle: | 39° | |
|---|---|---|
| h(m) | E(lx) | D(m) |
| 1 | 2755 | 0.71 |
| 2 | 689 | 1.43 |
| 3 | 306 | 2.14 |
| 4 | 172 | 2.86 |
| 5 | 110 | 3.57 |

### Optic Elliptical 13º x 40º

**Power Led:** 26W - LED 2795 lm ≠ OUTPUT 1229 lm - 2200K/CRI 80 / 26W - LED 2898 lm ≠ OUTPUT 1275 lm - 2700K/CRI 80 / 26W - LED 3105 lm ≠ OUTPUT 1366 lm - 3000K/CRI 80 / 26W - LED 3209 lm ≠ OUTPUT 1411 lm - 4000K/CRI 80

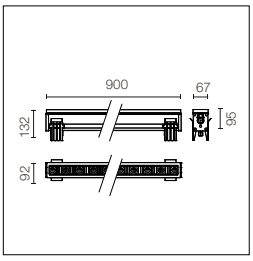
| 2200K | 2700K | 3000K | 4000K |
|---|---|---|---|
| Non Dimmable | Non Dimmable | Non Dimmable | Non Dimmable |
| ● F017Q1LA006 | ● F017Q2LA006 | ● F017Q3LA006 | ● F017Q4LA006 |
| ● F017Q1LA033 | ● F017Q2LA033 | ● F017Q3LA033 | ● F017Q4LA033 |
| 1-10V | 1-10V | 1-10V | 1-10V |
| ● F017Q1LB006 | ● F017Q2LB006 | ● F017Q3LB006 | ● F017Q4LB006 |
| ● F017Q1LB033 | ● F017Q2LB033 | ● F017Q3LB033 | ● F017Q4LB033 |
| Dali | Dali | Dali | Dali |
| ● F017Q1LD006 | ● F017Q2LD006 | ● F017Q3LD006 | ● F017Q4LD006 |
| ● F017Q1LD033 | ● F017Q2LD033 | ● F017Q3LD033 | ● F017Q4LD033 |

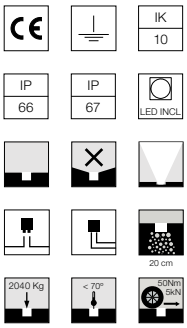



@3000K

| Beam Angle: | 13° | |
|---|---|---|
| h(m) | E(lx) | D(m) |
| 1 | 7027 | 0.22 |
| 2 | 1757 | 0.44 |
| 3 | 781 | 0.67 |
| 4 | 439 | 0.89 |
| 5 | 281 | 1.11 |

## Ingraze Adjustable Frameless + Asymmetric Louvre L 900



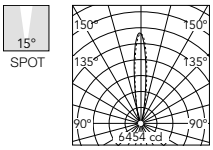

High-power LED source included and rear lenses equipped with anti-glare asymmetrical diffuser grille. 1-10V or DALI on-off and dimmable 220-240V power supply. Compulsory installation box to be ordered separately. Pre-wired with $H_2O$ Stop quick connectors, plug/socket included. ACT (Anti-Corrosion Treatment) upon request.

Fuente LED de alta potencia incluida y ópticas retrocedidas equipadas con difusor de rejilla asimétrico antideslumbrante. Alimentación 220-240 V on-off y regulable 1-10V y DALI. La caja de montaje para la instalación obligatoria debe pedirse por separado. Precableado con conectores rápidos $H_2O$ Stop toma/enchufe incluidos. ACT (Anti Corrosion Treatment) bajo petición.

### Optic Spot 15º

**Power Led:** 26W - LED 2795 lm ≠ OUTPUT 715 lm - 2200K/CRI 80 / 26W - LED 2898 lm ≠ OUTPUT 742 lm - 2700K/CRI 80 / 26W - LED 3105 lm ≠ OUTPUT 795 lm - 3000K/CRI 80 / 26W - LED 3209 lm ≠ OUTPUT 821 lm - 4000K/CRI 80

| 2200K | 2700K | 3000K | 4000K |
|---|---|---|---|
| Non Dimmable | Non Dimmable | Non Dimmable | Non Dimmable |
| ● F017Q1QA006 | ● F017Q2QA006 | ● F017Q3QA006 | ● F017Q4QA006 |
| ● F017Q1QA033 | ● F017Q2QA033 | ● F017Q3QA033 | ● F017Q4QA033 |
| 1-10V | 1-10V | 1-10V | 1-10V |
| ● F017Q1QB006 | ● F017Q2QB006 | ● F017Q3QB006 | ● F017Q4QB006 |
| ● F017Q1QB033 | ● F017Q2QB033 | ● F017Q3QB033 | ● F017Q4QB033 |
| Dali | Dali | Dali | Dali |
| ● F017Q1QD006 | ● F017Q2QD006 | ● F017Q3QD006 | ● F017Q4QD006 |
| ● F017Q1QD033 | ● F017Q2QD033 | ● F017Q3QD033 | ● F017Q4QD033 |




@3000K

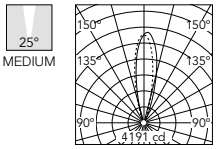
Beam Angle: 15°

| h(m) | E(lx) | D(m) |
|---|---|---|
| 1 | 6451 | 0.25 |
| 2 | 1613 | 0.51 |
| 3 | 717 | 0.76 |
| 4 | 403 | 1.02 |
| 5 | 258 | 1.27 |

### Optic Medium 25º

**Power Led:** 26W - LED 2795 lm ≠ OUTPUT 757 lm - 2200K/CRI 80 / 26W - LED 2898 lm ≠ OUTPUT 785 lm - 2700K/CRI 80 / 26W - LED 3105 lm ≠ OUTPUT 841 lm - 3000K/CRI 80 / 26W - LED 3209 lm ≠ OUTPUT 869 lm - 4000K/CRI 80

| 2200K | 2700K | 3000K | 4000K |
|---|---|---|---|
| Non Dimmable | Non Dimmable | Non Dimmable | Non Dimmable |
| ● F017Q1RA006 | ● F017Q2RA006 | ● F017Q3RA006 | ● F017Q4RA006 |
| ● F017Q1RA033 | ● F017Q2RA033 | ● F017Q3RA033 | ● F017Q4RA033 |
| 1-10V | 1-10V | 1-10V | 1-10V |
| ● F017Q1RB006 | ● F017Q2RB006 | ● F017Q3RB006 | ● F017Q4RB006 |
| ● F017Q1RB033 | ● F017Q2RB033 | ● F017Q3RB033 | ● F017Q4RB033 |
| Dali | Dali | Dali | Dali |
| ● F017Q1RD006 | ● F017Q2RD006 | ● F017Q3RD006 | ● F017Q4RD006 |
| ● F017Q1RD033 | ● F017Q2RD033 | ● F017Q3RD033 | ● F017Q4RD033 |




@3000K

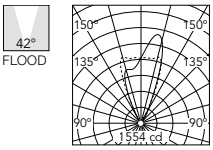
Beam Angle: 25°

| h(m) | E(lx) | D(m) |
|---|---|---|
| 1 | 4183 | 0.45 |
| 2 | 1046 | 0.89 |
| 3 | 465 | 1.34 |
| 4 | 261 | 1.78 |
| 5 | 167 | 2.23 |

### Optic Flood 42º

**Power Led:** 26W - LED 2795 lm ≠ OUTPUT 606 lm - 2200K/CRI 80 / 26W - LED 2898 lm ≠ OUTPUT 628 lm - 2700K/CRI 80 / 26W - LED 3105 lm ≠ OUTPUT 673 lm - 3000K/CRI 80 / 26W - LED 3209 lm ≠ OUTPUT 696 lm - 4000K/CRI 80

| 2200K | 2700K | 3000K | 4000K |
|---|---|---|---|
| Non Dimmable | Non Dimmable | Non Dimmable | Non Dimmable |
| ● F017Q1SA006 | ● F017Q2SA006 | ● F017Q3SA006 | ● F017Q4SA006 |
| ● F017Q1SA033 | ● F017Q2SA033 | ● F017Q3SA033 | ● F017Q4SA033 |
| 1-10V | 1-10V | 1-10V | 1-10V |
| ● F017Q1SB006 | ● F017Q2SB006 | ● F017Q3SB006 | ● F017Q4SB006 |
| ● F017Q1SB033 | ● F017Q2SB033 | ● F017Q3SB033 | ● F017Q4SB033 |
| Dali | Dali | Dali | Dali |
| ● F017Q1SD006 | ● F017Q2SD006 | ● F017Q3SD006 | ● F017Q4SD006 |
| ● F017Q1SD033 | ● F017Q2SD033 | ● F017Q3SD033 | ● F017Q4SD033 |




@3000K

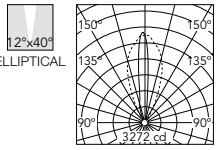
Beam Angle: 42°

| h(m) | E(lx) | D(m) |
|---|---|---|
| 1 | 1474 | 0.76 |
| 2 | 368 | 1.51 |
| 3 | 164 | 2.27 |
| 4 | 92 | 3.03 |
| 5 | 59 | 3.78 |

### Optic Elliptical 12º x 40º

**Power Led:** 26W - LED 2795 lm ≠ OUTPUT 580 lm - 2200K/CRI 80 / 26W - LED 2898 lm ≠ OUTPUT 602 lm - 2700K/CRI 80 / 26W - LED 3105 lm ≠ OUTPUT 645 lm - 3000K/CRI 80 / 26W - LED 3209 lm ≠ OUTPUT 666 lm - 4000K/CRI 80

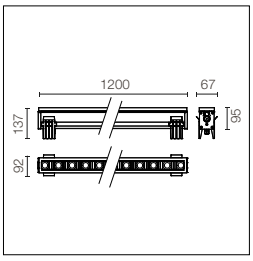
| 2200K | 2700K | 3000K | 4000K |
|---|---|---|---|
| Non Dimmable | Non Dimmable | Non Dimmable | Non Dimmable |
| ● F017Q1TA006 | ● F017Q2TA006 | ● F017Q3TA006 | ● F017Q4TA006 |
| ● F017Q1TA033 | ● F017Q2TA033 | ● F017Q3TA033 | ● F017Q4TA033 |
| 1-10V | 1-10V | 1-10V | 1-10V |
| ● F017Q1TB006 | ● F017Q2TB006 | ● F017Q3TB006 | ● F017Q4TB006 |
| ● F017Q1TB033 | ● F017Q2TB033 | ● F017Q3TB033 | ● F017Q4TB033 |
| Dali | Dali | Dali | Dali |
| ● F017Q1TD006 | ● F017Q2TD006 | ● F017Q3TD006 | ● F017Q4TD006 |
| ● F017Q1TD033 | ● F017Q2TD033 | ● F017Q3TD033 | ● F017Q4TD033 |

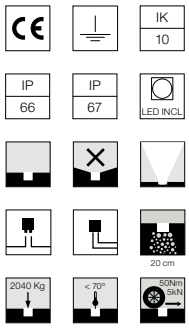



@3000K

Beam Angle: 12°

| h(m) | E(lx) | D(m) |
|---|---|---|
| 1 | 3271 | 0.21 |
| 2 | 818 | 0.42 |
| 3 | 363 | 0.62 |
| 4 | 204 | 0.83 |
| 5 | 131 | 1.04 |



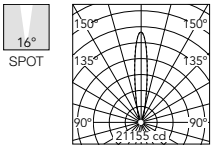

High-power LED source included and rear lenses. 1-10V or DALI on-off and dimmable 220-240V power supply.
Compulsory installation box to be ordered separately.
Pre-wired with $H_2O$ Stop quick connectors, plug/socket included.
ACT (Anti-Corrosion Treatment) upon request.

Fuente LED de alta potencia incluida y ópticas retrocedidas.
Alimentación 220-240 V on-off y regulable 1-10V y DALI.
La caja de montaje para la instalación obligatoria debe pedirse por separado.
Precableado con conectores rápidos $H_2O$ Stop toma/enchufe incluidos.
ACT (Anti Corrosion Treatment) bajo petición.

### Optic Spot 16º

**Power Led:** 33,5W - LED 3726 lm ≠ OUTPUT 2736 lm - 2200K/CRI 80 / 33,5W - LED 3864 lm ≠ OUTPUT 2837 lm - 2700K/CRI 80 / 33,5W - LED 4140 lm ≠ OUTPUT 3040 lm - 3000K/CRI 80 / 33,5W - LED 4278 lm ≠ OUTPUT 3141 lm - 4000K/CRI 80

| 2200K | 2700K | 3000K | 4000K |
|---|---|---|---|
| Non Dimmable | Non Dimmable | Non Dimmable | Non Dimmable |
| ● F017R1AA006 | ● F017R2AA006 | ● F017R3AA006 | ● F017R4AA006 |
| ● F017R1AA033 | ● F017R2AA033 | ● F017R3AA033 | ● F017R4AA033 |
| 1-10V | 1-10V | 1-10V | 1-10V |
| ● F017R1AB006 | ● F017R2AB006 | ● F017R3AB006 | ● F017R4AB006 |
| ● F017R1AB033 | ● F017R2AB033 | ● F017R3AB033 | ● F017R4AB033 |
| Dali | Dali | Dali | Dali |
| ● F017R1AD006 | ● F017R2AD006 | ● F017R3AD006 | ● F017R4AD006 |
| ● F017R1AD033 | ● F017R2AD033 | ● F017R3AD033 | ● F017R4AD033 |



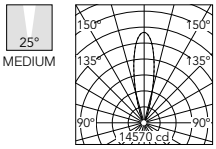

@3000K

| Beam Angle: | 16° | |
|---|---|---|
| h(m) | E(lx) | D(m) |
| 1 | 21155 | 0.27 |
| 2 | 5289 | 0.55 |
| 3 | 2351 | 0.82 |
| 4 | 1322 | 1.09 |
| 5 | 846 | 1.37 |

### Optic Medium 25º

**Power Led:** 33,5W - LED 3726 lm ≠ OUTPUT 2945 lm - 2200K/CRI 80 / 33,5W - LED 3864 lm ≠ OUTPUT 3054 lm - 2700K/CRI 80 / 33,5W - LED 4140 lm ≠ OUTPUT 3272 lm - 3000K/CRI 80 / 33,5W - LED 4278 lm ≠ OUTPUT 3381 lm - 4000K/CRI 80

| 2200K | 2700K | 3000K | 4000K |
|---|---|---|---|
| Non Dimmable | Non Dimmable | Non Dimmable | Non Dimmable |
| ● F017R1BA006 | ● F017R2BA006 | ● F017R3BA006 | ● F017R4BA006 |
| ● F017R1BA033 | ● F017R2BA033 | ● F017R3BA033 | ● F017R4BA033 |
| 1-10V | 1-10V | 1-10V | 1-10V |
| ● F017R1BB006 | ● F017R2BB006 | ● F017R3BB006 | ● F017R4BB006 |
| ● F017R1BB033 | ● F017R2BB033 | ● F017R3BB033 | ● F017R4BB033 |
| Dali | Dali | Dali | Dali |
| ● F017R1BD006 | ● F017R2BD006 | ● F017R3BD006 | ● F017R4BD006 |
| ● F017R1BD033 | ● F017R2BD033 | ● F017R3BD033 | ● F017R4BD033 |



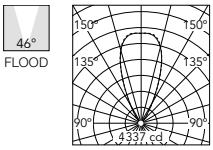

@3000K

| Beam Angle: | 25° | |
|---|---|---|
| h(m) | E(lx) | D(m) |
| 1 | 14570 | 0.44 |
| 2 | 3643 | 0.88 |
| 3 | 1619 | 1.32 |
| 4 | 911 | 1.76 |
| 5 | 583 | 2.20 |

### Optic Flood 46º

**Power Led:** 33,5W - LED 3726 lm ≠ OUTPUT 2565 lm - 2200K/CRI 80 / 33,5W - LED 3864 lm ≠ OUTPUT 2660 lm - 2700K/CRI 80 / 33,5W - LED 4140 lm ≠ OUTPUT 2850 lm - 3000K/CRI 80 / 33,5W - LED 4278 lm ≠ OUTPUT 2945 lm - 4000K/CRI 80

| 2200K | 2700K | 3000K | 4000K |
|---|---|---|---|
| Non Dimmable | Non Dimmable | Non Dimmable | Non Dimmable |
| ● F017R1CA006 | ● F017R2CA006 | ● F017R3CA006 | ● F017R4CA006 |
| ● F017R1CA033 | ● F017R2CA033 | ● F017R3CA033 | ● F017R4CA033 |
| 1-10V | 1-10V | 1-10V | 1-10V |
| ● F017R1CB006 | ● F017R2CB006 | ● F017R3CB006 | ● F017R4CB006 |
| ● F017R1CB033 | ● F017R2CB033 | ● F017R3CB033 | ● F017R4CB033 |
| Dali | Dali | Dali | Dali |
| ● F017R1CD006 | ● F017R2CD006 | ● F017R3CD006 | ● F017R4CD006 |
| ● F017R1CD033 | ● F017R2CD033 | ● F017R3CD033 | ● F017R4CD033 |



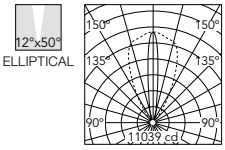

@3000K

| Beam Angle: | 46° | |
|---|---|---|
| h(m) | E(lx) | D(m) |
| 1 | 4316 | 0.85 |
| 2 | 1079 | 1.71 |
| 3 | 480 | 2.56 |
| 4 | 270 | 3.42 |
| 5 | 173 | 4.27 |

### Optic Elliptical 12º x 50º

**Power Led:** 33,5W - LED 3726 lm ≠ OUTPUT 2572 lm - 2200K/CRI 80 / 33,5W - LED 3864 lm ≠ OUTPUT 2668 lm - 2700K/CRI 80 / 33,5W - LED 4140 lm ≠ OUTPUT 2858 lm - 3000K/CRI 80 / 33,5W - LED 4278 lm ≠ OUTPUT 2953 lm - 4000K/CRI 80

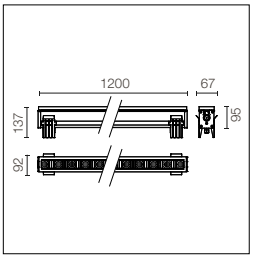
| 2200K | 2700K | 3000K | 4000K |
|---|---|---|---|
| Non Dimmable | Non Dimmable | Non Dimmable | Non Dimmable |
| ● F017R1DA006 | ● F017R2DA006 | ● F017R3DA006 | ● F017R4DA006 |
| ● F017R1DA033 | ● F017R2DA033 | ● F017R3DA033 | ● F017R4DA033 |
| 1-10V | 1-10V | 1-10V | 1-10V |
| ● F017R1DB006 | ● F017R2DB006 | ● F017R3DB006 | ● F017R4DB006 |
| ● F017R1DB033 | ● F017R2DB033 | ● F017R3DB033 | ● F017R4DB033 |
| Dali | Dali | Dali | Dali |
| ● F017R1DD006 | ● F017R2DD006 | ● F017R3DD006 | ● F017R4DD006 |
| ● F017R1DD033 | ● F017R2DD033 | ● F017R3DD033 | ● F017R4DD033 |

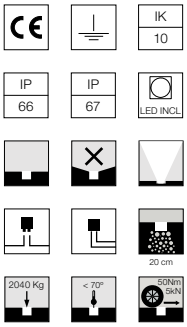



@3000K

| Beam Angle: | 12° | |
|---|---|---|
| h(m) | E(lx) | D(m) |
| 1 | 11037 | 0.22 |
| 2 | 2759 | 0.44 |
| 3 | 1226 | 0.66 |
| 4 | 690 | 0.87 |
| 5 | 441 | 1.09 |

## Ingraze Adjustable Frameless + Linear Louvre L 1200



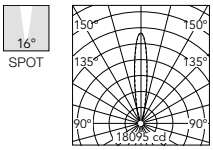

High-power LED source included and rear lenses equipped with anti-glare diffuser grille. 1-10V or DALI on-off and dimmable 220-240V power supply.
Compulsory installation box to be ordered separately.
Pre-wired with $H_2O$ Stop quick connectors, plug/socket included.
ACT (Anti-Corrosion Treatment) upon request.

Fuente LED de alta potencia incluida y ópticas retrocedidas equipadas con difusor de rejilla antideslumbrante. Alimentación 220-240 V on-off y regulable 1-10V y DALI.
La caja de montaje para la instalación obligatoria debe pedirse por separado.
Precableado con conectores rápidos $H_2O$ Stop toma/enchufe incluidos.
ACT (Anti Corrosion Treatment) bajo petición.

### Optic Spot 16º

**Power Led:** 33,5W - LED 3726 lm ≠ OUTPUT 2006 lm - 2200K/CRI 80 / 33,5W - LED 3864 lm ≠ OUTPUT 2080 lm - 2700K/CRI 80 / 33,5W - LED 4140 lm ≠ OUTPUT 2229 lm - 3000K/CRI 80 / 33,5W - LED 4278 lm ≠ OUTPUT 2303 lm - 4000K/CRI 80

| 2200K | 2700K | 3000K | 4000K |
|---|---|---|---|
| Non Dimmable | Non Dimmable | Non Dimmable | Non Dimmable |
| ● F017R1HA006 | ● F017R2HA006 | ● F017R3HA006 | ● F017R4HA006 |
| ● F017R1HA033 | ● F017R2HA033 | ● F017R3HA033 | ● F017R4HA033 |
| 1-10V | 1-10V | 1-10V | 1-10V |
| ● F017R1HB006 | ● F017R2HB006 | ● F017R3HB006 | ● F017R4HB006 |
| ● F017R1HB033 | ● F017R2HB033 | ● F017R3HB033 | ● F017R4HB033 |
| Dali | Dali | Dali | Dali |
| ● F017R1HD006 | ● F017R2HD006 | ● F017R3HD006 | ● F017R4HD006 |
| ● F017R1HD033 | ● F017R2HD033 | ● F017R3HD033 | ● F017R4HD033 |




@3000K

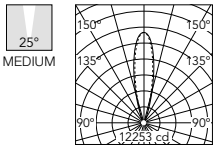
Beam Angle: 16°

| h(m) | E(lx) | D(m) |
|---|---|---|
| 1 | 18095 | 0.28 |
| 2 | 4524 | 0.56 |
| 3 | 2011 | 0.83 |
| 4 | 1131 | 1.11 |
| 5 | 724 | 1.39 |

### Optic Medium 25º

**Power Led:** 33,5W - LED 3726 lm ≠ OUTPUT 2125 lm - 2200K/CRI 80 / 33,5W - LED 3864 lm ≠ OUTPUT 2203 lm - 2700K/CRI 80 / 33,5W - LED 4140 lm ≠ OUTPUT 2361 lm - 3000K/CRI 80 / 33,5W - LED 4278 lm ≠ OUTPUT 2439 lm - 4000K/CRI 80

| 2200K | 2700K | 3000K | 4000K |
|---|---|---|---|
| Non Dimmable | Non Dimmable | Non Dimmable | Non Dimmable |
| ● F017R1JA006 | ● F017R2JA006 | ● F017R3JA006 | ● F017R4JA006 |
| ● F017R1JA033 | ● F017R2JA033 | ● F017R3JA033 | ● F017R4JA033 |
| 1-10V | 1-10V | 1-10V | 1-10V |
| ● F017R1JB006 | ● F017R2JB006 | ● F017R3JB006 | ● F017R4JB006 |
| ● F017R1JB033 | ● F017R2JB033 | ● F017R3JB033 | ● F017R4JB033 |
| Dali | Dali | Dali | Dali |
| ● F017R1JD006 | ● F017R2JD006 | ● F017R3JD006 | ● F017R4JD006 |
| ● F017R1JD033 | ● F017R2JD033 | ● F017R3JD033 | ● F017R4JD033 |




@3000K

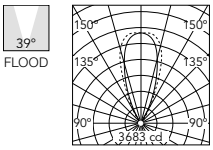
Beam Angle: 25°

| h(m) | E(lx) | D(m) |
|---|---|---|
| 1 | 12253 | 0.44 |
| 2 | 3063 | 0.87 |
| 3 | 1361 | 1.31 |
| 4 | 766 | 1.74 |
| 5 | 490 | 2.18 |

### Optic Flood 39º

**Power Led:** 33,5W - LED 3726 lm ≠ OUTPUT 1643 lm - 2200K/CRI 80 / 33,5W - LED 3864 lm ≠ OUTPUT 1704 lm - 2700K/CRI 80 / 33,5W - LED 4140 lm ≠ OUTPUT 1826 lm - 3000K/CRI 80 / 33,5W - LED 4278 lm ≠ OUTPUT 1887 lm - 4000K/CRI 80

| 2200K | 2700K | 3000K | 4000K |
|---|---|---|---|
| Non Dimmable | Non Dimmable | Non Dimmable | Non Dimmable |
| ● F017R1KA006 | ● F017R2KA006 | ● F017R3KA006 | ● F017R4KA006 |
| ● F017R1KA033 | ● F017R2KA033 | ● F017R3KA033 | ● F017R4KA033 |
| 1-10V | 1-10V | 1-10V | 1-10V |
| ● F017R1KB006 | ● F017R2KB006 | ● F017R3KB006 | ● F017R4KB006 |
| ● F017R1KB033 | ● F017R2KB033 | ● F017R3KB033 | ● F017R4KB033 |
| Dali | Dali | Dali | Dali |
| ● F017R1KD006 | ● F017R2KD006 | ● F017R3KD006 | ● F017R4KD006 |
| ● F017R1KD033 | ● F017R2KD033 | ● F017R3KD033 | ● F017R4KD033 |




@3000K

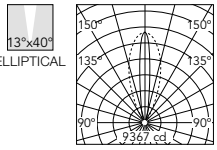
Beam Angle: 39°

| h(m) | E(lx) | D(m) |
|---|---|---|
| 1 | 3672 | 0.71 |
| 2 | 918 | 1.43 |
| 3 | 408 | 2.14 |
| 4 | 230 | 2.86 |
| 5 | 147 | 3.57 |

### Optic Elliptical 13º x 40º

**Power Led:** 33,5W - LED 3726 lm ≠ OUTPUT 1639 lm - 2200K/CRI 80 / 33,5W - LED 3864 lm ≠ OUTPUT 1700 lm - 2700K/CRI 80 / 33,5W - LED 4140 lm ≠ OUTPUT 1821 lm - 3000K/CRI 80 / 33,5W - LED 4278 lm ≠ OUTPUT 1882 lm - 4000K/CRI 80

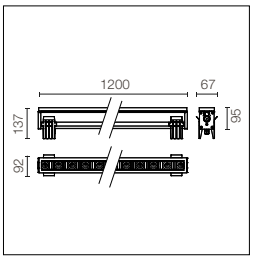
| 2200K | 2700K | 3000K | 4000K |
|---|---|---|---|
| Non Dimmable | Non Dimmable | Non Dimmable | Non Dimmable |
| ● F017R1LA006 | ● F017R2LA006 | ● F017R3LA006 | ● F017R4LA006 |
| ● F017R1LA033 | ● F017R2LA033 | ● F017R3LA033 | ● F017R4LA033 |
| 1-10V | 1-10V | 1-10V | 1-10V |
| ● F017R1LB006 | ● F017R2LB006 | ● F017R3LB006 | ● F017R4LB006 |
| ● F017R1LB033 | ● F017R2LB033 | ● F017R3LB033 | ● F017R4LB033 |
| Dali | Dali | Dali | Dali |
| ● F017R1LD006 | ● F017R2LD006 | ● F017R3LD006 | ● F017R4LD006 |
| ● F017R1LD033 | ● F017R2LD033 | ● F017R3LD033 | ● F017R4LD033 |

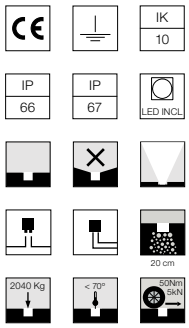



@3000K

Beam Angle: 13°

| h(m) | E(lx) | D(m) |
|---|---|---|
| 1 | 9367 | 0.22 |
| 2 | 2342 | 0.44 |
| 3 | 1041 | 0.67 |
| 4 | 585 | 0.89 |
| 5 | 375 | 1.11 |




High-power LED source included and rear lenses equipped with anti-glare asymmetrical diffuser grille.
1-10V or DALI on-off and dimmable 220-240V power supply.
Compulsory installation box to be ordered separately.
Pre-wired with $H_2O$ Stop quick connectors, plug/socket included.
ACT (Anti-Corrosion Treatment) upon request.

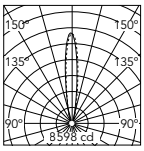
Fuente LED de alta potencia incluida y ópticas retrocedidas equipadas con difusor de rejilla asimétrico antideslumbrante.
Alimentación 220-240 V on-off y regulable 1-10V y DALI.
La caja de montaje para la instalación obligatoria debe pedirse por separado.
Precableado con conectores rápidos $H_2O$ Stop toma/enchufe incluidos.
ACT (Anti Corrosion Treatment) bajo petición.

### Optic Spot 15º

**Power Led:** 33,5W - LED 3726 lm ≠ OUTPUT 954 lm - 2200K/CRI 80 / 33,5W - LED 3864 lm ≠ OUTPUT 989 lm - 2700K/CRI 80 / 33,5W - LED 4140 lm ≠ OUTPUT 1059 lm - 3000K/CRI 80 / 33,5W - LED 4278 lm ≠ OUTPUT 1095 lm - 4000K/CRI 80

| 2200K | 2700K | 3000K | 4000K |
|---|---|---|---|
| Non Dimmable | Non Dimmable | Non Dimmable | Non Dimmable |
| ● F017R1QA006 | ● F017R2QA006 | ● F017R3QA006 | ● F017R4QA006 |
| ● F017R1QA033 | ● F017R2QA033 | ● F017R3QA033 | ● F017R4QA033 |
| 1-10V | 1-10V | 1-10V | 1-10V |
| ● F017R1QB006 | ● F017R2QB006 | ● F017R3QB006 | ● F017R4QB006 |
| ● F017R1QB033 | ● F017R2QB033 | ● F017R3QB033 | ● F017R4QB033 |
| Dali | Dali | Dali | Dali |
| ● F017R1QD006 | ● F017R2QD006 | ● F017R3QD006 | ● F017R4QD006 |
| ● F017R1QD033 | ● F017R2QD033 | ● F017R3QD033 | ● F017R4QD033 |

15°
SPOT




@3000K

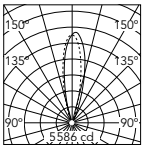
| Beam Angle: | 15° | |
|---|---|---|
| h(m) | E(lx) | D(m) |
| 1 | 8593 | 0.25 |
| 2 | 2148 | 0.51 |
| 3 | 955 | 0.76 |
| 4 | 537 | 1.02 |
| 5 | 344 | 1.27 |

### Optic Medium 25º

**Power Led:** 33,5W - LED 3726 lm ≠ OUTPUT 1009 lm - 2200K/CRI 80 / 33,5W - LED 3864 lm ≠ OUTPUT 1046 lm - 2700K/CRI 80 / 33,5W - LED 4140 lm ≠ OUTPUT 1121 lm - 3000K/CRI 80 / 33,5W - LED 4278 lm ≠ OUTPUT 1158 lm - 4000K/CRI 80

| 2200K | 2700K | 3000K | 4000K |
|---|---|---|---|
| Non Dimmable | Non Dimmable | Non Dimmable | Non Dimmable |
| ● F017R1RA006 | ● F017R2RA006 | ● F017R3RA006 | ● F017R4RA006 |
| ● F017R1RA033 | ● F017R2RA033 | ● F017R3RA033 | ● F017R4RA033 |
| 1-10V | 1-10V | 1-10V | 1-10V |
| ● F017R1RB006 | ● F017R2RB006 | ● F017R3RB006 | ● F017R4RB006 |
| ● F017R1RB033 | ● F017R2RB033 | ● F017R3RB033 | ● F017R4RB033 |
| Dali | Dali | Dali | Dali |
| ● F017R1RD006 | ● F017R2RD006 | ● F017R3RD006 | ● F017R4RD006 |
| ● F017R1RD033 | ● F017R2RD033 | ● F017R3RD033 | ● F017R4RD033 |

25°
MEDIUM




@3000K

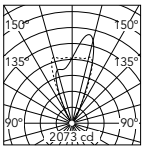
| Beam Angle: | 25° | |
|---|---|---|
| h(m) | E(lx) | D(m) |
| 1 | 5576 | 0.45 |
| 2 | 1394 | 0.89 |
| 3 | 620 | 1.34 |
| 4 | 349 | 1.78 |
| 5 | 223 | 2.23 |

### Optic Flood 42º

**Power Led:** 33,5W - LED 3726 lm ≠ OUTPUT 808 lm - 2200K/CRI 80 / 33,5W - LED 3864 lm ≠ OUTPUT 838 lm - 2700K/CRI 80 / 33,5W - LED 4140 lm ≠ OUTPUT 898 lm - 3000K/CRI 80 / 33,5W - LED 4278 lm ≠ OUTPUT 928 lm - 4000K/CRI 80

| 2200K | 2700K | 3000K | 4000K |
|---|---|---|---|
| Non Dimmable | Non Dimmable | Non Dimmable | Non Dimmable |
| ● F017R1SA006 | ● F017R2SA006 | ● F017R3SA006 | ● F017R4SA006 |
| ● F017R1SA033 | ● F017R2SA033 | ● F017R3SA033 | ● F017R4SA033 |
| 1-10V | 1-10V | 1-10V | 1-10V |
| ● F017R1SB006 | ● F017R2SB006 | ● F017R3SB006 | ● F017R4SB006 |
| ● F017R1SB033 | ● F017R2SB033 | ● F017R3SB033 | ● F017R4SB033 |
| Dali | Dali | Dali | Dali |
| ● F017R1SD006 | ● F017R2SD006 | ● F017R3SD006 | ● F017R4SD006 |
| ● F017R1SD033 | ● F017R2SD033 | ● F017R3SD033 | ● F017R4SD033 |

42°
FLOOD




@3000K

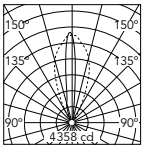
| Beam Angle: | 42° | |
|---|---|---|
| h(m) | E(lx) | D(m) |
| 1 | 1967 | 0.76 |
| 2 | 492 | 1.51 |
| 3 | 219 | 2.27 |
| 4 | 123 | 3.03 |
| 5 | 79 | 3.78 |

### Optic Elliptical 12º x 40º

**Power Led:** 33,5W - LED 3726 lm ≠ OUTPUT 773 lm - 2200K/CRI 80 / 33,5W - LED 3864 lm ≠ OUTPUT 802 lm - 2700K/CRI 80 / 33,5W - LED 4140 lm ≠ OUTPUT 859 lm - 3000K/CRI 80 / 33,5W - LED 4278 lm ≠ OUTPUT 888 lm - 4000K/CRI 80

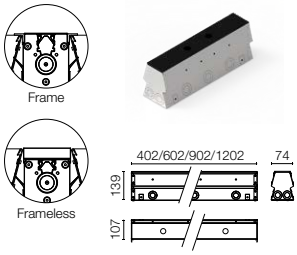
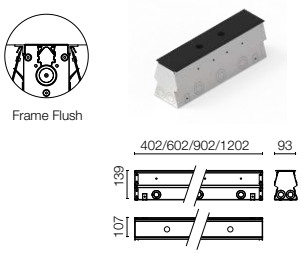
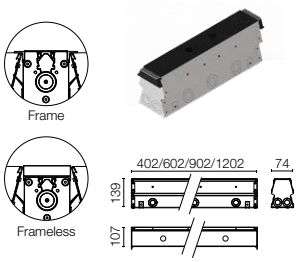
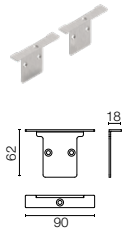
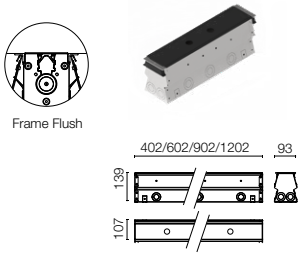
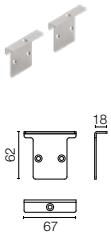
| 2200K | 2700K | 3000K | 4000K |
|---|---|---|---|
| Non Dimmable | Non Dimmable | Non Dimmable | Non Dimmable |
| ● F017R1TA006 | ● F017R2TA006 | ● F017R3TA006 | ● F017R4TA006 |
| ● F017R1TA033 | ● F017R2TA033 | ● F017R3TA033 | ● F017R4TA033 |
| 1-10V | 1-10V | 1-10V | 1-10V |
| ● F017R1TB006 | ● F017R2TB006 | ● F017R3TB006 | ● F017R4TB006 |
| ● F017R1TB033 | ● F017R2TB033 | ● F017R3TB033 | ● F017R4TB033 |
| Dali | Dali | Dali | Dali |
| ● F017R1TD006 | ● F017R2TD006 | ● F017R3TD006 | ● F017R4TD006 |
| ● F017R1TD033 | ● F017R2TD033 | ● F017R3TD033 | ● F017R4TD033 |

12°x40°
ELLIPTICAL



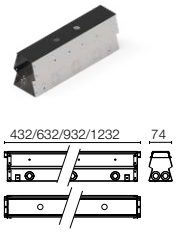
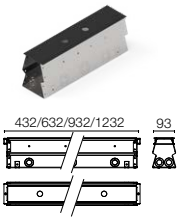
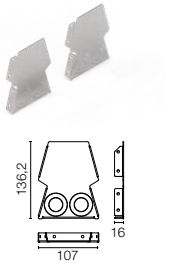
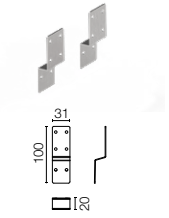
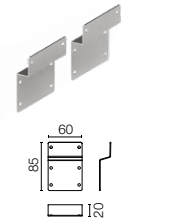

@3000K

| Beam Angle: | 12° | |
|---|---|---|
| h(m) | E(lx) | D(m) |
| 1 | 4356 | 0.21 |
| 2 | 1089 | 0.42 |
| 3 | 484 | 0.62 |
| 4 | 272 | 0.83 |
| 5 | 174 | 1.04 |

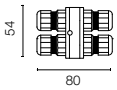
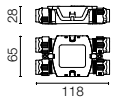
| | | | |
|---|---|---|---|
| Framed/frameless installation box for single installations. | Caja de montaje con marco/ sin marco para instalación individual. | L 400<br>F017Z110000<br>L 600<br>F017Z120000<br>L 900<br>F017Z130000<br>L 1200<br>F017Z140000 |  |
| Framed installation box for single flush installations. | Caja de montaje con marco para instalación individual nivelada. | L 400<br>F017Z010000<br>L 600<br>F017Z020000<br>L 900<br>F017Z030000<br>L 1200<br>F017Z040000 |  |
| Framed/frameless anti-theft installation box for single installations. | Caja de montaje antirrobo con marco/sin marco para instalación individual | L 400<br>F017Z710000<br>L 600<br>F017Z720000<br>L 900<br>F017Z730000<br>L 1200<br>F017Z740000 |  |
| Framed anti-theft bracket kit. | Kit soportes antirrobo con marco. | ● F017Z550006<br>● F017Z550033 |  |
| Complete framed anti-theft installation box for single flush installations. | Caja de montaje antirrobo con marco completa para instalación individual nivelada. | L 400<br>F017Z610000<br>L 600<br>F017Z620000<br>L 900<br>F017Z630000<br>L 1200<br>F017Z640000 |  |
| Frameless anti-theft bracket kit. | Kit soportes antirrobo sin marco. | ● F017Z560006<br>● F017Z560033 |  |

Ingraze Frameless
Ingraze Frame
Ingraze Frame Flush

## Ingraze: Accessories / Accesorios

| | | | |
|---|---|---|---|
| Framed/frameless continuous line module. | Módulo fila continua con marco/sin marco | L 400<br>F017Z211000<br>L 600<br>F017Z221000<br>L 900<br>F017Z231000<br>L 1200<br>F017Z241000 |  |
| Framed flush continuous line module. | Módulo fila continua con marco nivelado | L 400<br>F017Z210000<br>L 600<br>F017Z220000<br>L 900<br>F017Z230000<br>L 1200<br>F017Z240000 |  |
| Standard end-plate cover kit. | Kit cabezales de cierre estándar. | F017Z490000 |  |
| Standard connecting plate kit. | Kit placas de unión estándar. | F017Z530000 |  |
| Anti-theft connecting plate kit. | Kit placas de unión antirrobo. | F017Z531000 |  |

## Ingraze: Accessories / Accesorios

| | | | |
|---|---|---|---|
| 2 way terminal block 4 poles IP68 $H_2O$ Stop. | Bloque de terminales IP68 $H_2O$ Stop anticondensación con 2 vías y 4 polos. | F990C00A000 | |
| 3/4 way terminal block 4 poles IP68 $H_2O$ Stop. (ø5,5÷12mm cable). | Bloque de terminales IP68 $H_2O$ Stop anticondensación con 3/4 vías y 4 polos. (Cable ø5,5÷12 mm). | F990C010000 |   |
| 4 way junction box 5 poles IP68 (6-14 mm cables). | Caja de derivación de 5 polos y 4 vías IP68 (cables de 6-14 mm). | F990C030000 |   |
| Connector kit 5-pole flying socket + EU plug IP68. | Kit de conectores de 5 polos enchufe volante + enchufe UE IP68. | F990C080000 | |
| 4-pin connector kit with detachable socket + IP68 EU plug. | Kit conector de 4 pines Toma Volante + Enchufe EU IP68. | F990C081000 | |
| 5-pin connector kit with detachable socket and reducer + EU cap | Kit conector de 5 pines toma volante con adaptador + tapa EU. | F990C082000 | |
| 4-pin connector kit with detachable socket and reducer + EU cap | Kit conector de 4 pines toma volante con adaptador + tapa EU. | F990C083000 | |

# Outgraze

Designed by Flos Outdoor

Outgraze

## Outgraze 35 L 300

**Power Led**
7W
517 lm - 2700K/CRI 80
536 lm - 3000K/CRI 80
554 lm - 4000K/CRI 80

**Easy Mid - Power Led**
4,5W
190 lm - 2700K/CRI 80
207 lm - 3000K/CRI 80
223 lm - 4000K/CRI 80

**Easy Tunable White**
**Mid - Power Led**
4,5W
95÷120 lm - 2700K÷5700K/CRI 80

## Outgraze 35 L 600

**Power Led**
12W
1034 lm - 2700K/CRI 80
1071 lm - 3000K/CRI 80
1108 lm - 4000K/CRI 80

**Esay Mid - Power Led**
9W
381 lm - 2700K/CRI 80
414 lm - 3000K/CRI 80
447 lm - 4000K/CRI 80

**Easy Tunable White**
**Mid - Power Led**
9W
190÷240 lm - 2700K÷5700K/CRI 80

## Outgraze 35 L 900

**Power Led**
18W
1551 lm - 2700K/CRI 80
1807 lm - 3000K/CRI 80
1662 lm - 4000K/CRI 80

**Easy Mid - Power Led**
13W
571 lm - 2700K/CRI 80
621 lm - 3000K/CRI 80
670 lm - 4000K/CRI 80

**Easy Tunable White**
**Mid - Power Led**
13W
285÷360 lm - 2700K÷5700K/CRI 80

## Outgraze 35 L 1200

**Power Led**
23W
2089 lm - 2700K/CRI 80
2142 lm - 3000K/CRI 80
2216 lm - 4000K/CRI 80

**Easy Mid - Power Led**
17,5W
761 lm - 2700K/CRI 80
827 lm - 3000K/CRI 80
894 lm - 4000K/CRI 80

**Easy Tunable White**
**Mid - Power Led**
17,5W
381÷480 lm - 2700K÷5700K/CRI 80

## Outgraze 50 L 300

**Power Led**
8W
685 lm - 2700K/CRI 80
709 lm - 3000K/CRI 80
734 lm - 4000K/CRI 80

**Easy Mid - Power Led**
8W
310 lm - 2700K/CRI 80
337 lm - 3000K/CRI 80
364 lm - 4000K/CRI 80

**Easy Tunable White Dali**
**Mid - Power Led**
6,5W
220 lm - 2700K/CRI 80

## Outgraze 50 L 600

**Power Led**
14,5W
1369 lm - 2700K/CRI 80
1418 lm - 3000K/CRI 80
1467 lm - 4000K/CRI 80

**Easy Mid - Power Led**
14,5W
620 lm - 2700K/CRI 80
674 lm - 3000K/CRI 80
728 lm - 4000K/CRI 80

**Easy - Dali**
**Mid - Power Led**
14,5W
1106 lm - 2700K/CRI 80
1198 lm - 3000K/CRI 80
1290 lm - 4000K/CRI 80

**Easy Tunable White Dali**
**Mid - Power Led**
11W
440 lm - 2700K/CRI 80

**RGB - Power Led**
26W

**RGBW - Power Led**
24W

**Tunable White - Dali**
**Mid - Power Led**
13W
722 lm - 2700÷5700K/CRI 80

## Outgraze 50 L 900

**Power Led**
20W
2054 lm - 2700K/CRI 80
2127 lm - 3000K/CRI 80
2201 lm - 4000K/CRI 80

**Easy / Easy Dali**
**Mid - Power Led**
20W
930 lm - 2700K/CRI 80
1011 lm - 3000K/CRI 80
1092 lm - 4000K/CRI 80

**Easy Tunable White Dali**
**Mid - Power Led**
16W
660 lm - 2700K/CRI 80

**RGB - Power Led**
37W

**RGBW - Power Led**
33W

**Tunable White - Dali**
**Mid - Power Led**
18,5W
1082 lm - 2700K/CRI 80

## Outgraze 50 L 1200

**Power Led**
27W
2739 lm - 2700K/CRI 80
2836 lm - 3000K/CRI 80
2934 lm - 4000K/CRI 80

**Easy / Easy Dali**
**Mid - Power Led**
27W
1240 lm - 2700K/CRI 80
1348 lm - 3000K/CRI 80
1456 lm - 4000K/CRI 80

**Easy Tunable White Dali**
**Mid - Power Led**
21W
879 lm - 2700K/CRI 80

**RGB - Power Led**
48W

**RGBW - Power Led**
43W

**Tunable White - Dali**
**Mid - Power Led**
23W
1443 lm - 2700K/CRI 80

## Description / Descripción

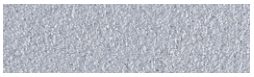
Luminaire for outdoor use for installation on the wall or ceiling with LED light source.
Central body in extruded aluminum, end cap in die-cast aluminum.
Optics made with constant pitch between the lenses to offer a homogeneous luminous flux even in case of multiple lamps installed in a continuous line.
High resistance external coating applied with a double layer of epoxy powders in accordance with the QUALICOAT standard. The first layer of epoxy powder gives chemical and mechanical resistance, the second finishing layer of polyester powder ensures resistance to UV rays and atmospheric agents.
The painted surfaces are treated with alkaline and acidic washes, then rinsed with demineralized water, subjected to a chemical conversion treatment to protect against oxidation.
Diffuser in extra clear transparent glass or sandblasted glass, screen-printed and glued to ensure a watertight seal.
The installation of the product requires use of steel brackets, to be ordered separately.
Luminaire provided with a length of approximately 1000 mm of outgoing neoprene cable on one side.
Available versions of luminaires with loop-through connection for multiple installation with continuity of line.

Luminaria para exterior para montaje mural o en el techo provista de luz LED.
Cuerpo central en aluminio extruido, extremo de cierre de aluminio fundido.
Ópticas hechas con paso constante entre las lentes para ofrecer un flujo de luz homogéneo, también incluso en aquellos casos en los que haya más lámparas instaladas en una línea continua.
Revestimiento externo de alta resistencia que se aplica con una doble capa de polvo según la norma QUALICOAT.
La primera capa de polvo epoxídico confiere resistencia química y mecánica, la segunda capa de acabado de polvo de poliéster garantiza la resistencia a los rayos UV y a los agentes atmosféricos.
Las superficies lacadas están tratadas con lavados alcalinos y ácidos, enjuagadas con agua desmineralizada y sometidas a un tratamiento de conversión química para protegerlas contra la oxidación.
Difusor en vidrio transparente extra claro o vidrio arenado serigrafiado y adherido para garantizar el sellado hermético
La instalación del producto prevé el uso obligatorio de soportes de acero, que se tienen que pedir por separado.
Dispositivos dotados de una pieza de cable de neopreno de unos 1000 mm saliente por un lado.
Bajo pedido, se puede dotar a los dispositivos de una conexión pasante para instalaciones múltiples con continuidad de línea.

## Colours / Colores

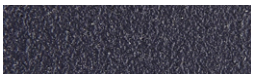
Outgraze


01 White


06 Grey

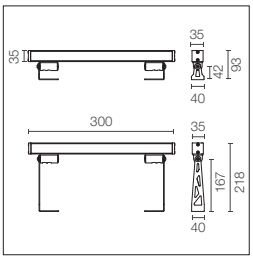
12 Forest Green

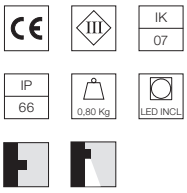
18 Deep Brown


30 Black

33 Anthracite

## Outgraze 35 L 300



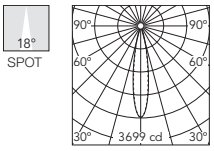

48V remote power supply and installation brackets to be ordered separately. Extra clear transparent glass, excluding the DIFFUSE version with sandblasted glass. Dimmable PWM luminaires. SMART version available upon request (power 4W - flux -50% lm).

Alimentación remota 48V y soportes de instalación que se compran por separado. Vidrio transparente extra claro, excluida la versión DIFFUSED con vidrio arenado. Dispositivos con regulación de la intensidad PWM. Por encargo, la versión SMART (potencia 4W - flujo - 50% lm).

**Power Led:**7W - 696 lm ≠ *FIXT 517 lm - 2700K/CRI 80 - 48V / 7W - 720 lm ≠ *FIXT 536 lm - 3000K/CRI 80 - 48V / 7W - 745 lm ≠ *FIXT 554 lm - 4000K/CRI 80 - 48V
*FIXT lm = Medium Optic

[1]**Standard** - Wiring diagram n.1 page 644 / Esquema eléctrico n.º 1, pág. 644

| 2200K | 2700K | 3000K | 4000K |
|---|---|---|---|
| F020A11H001 | F020A21H001 | F020A31H001 | F020A41H001 |
| F020A11H006 | F020A21H006 | F020A31H006 | F020A41H006 |
| F020A11H012 | F020A21H012 | F020A31H012 | F020A41H012 |
| F020A11H018 | F020A21H018 | F020A31H018 | F020A41H018 |
| F020A11H030 | F020A21H030 | F020A31H030 | F020A41H030 |
| F020A11H033 | F020A21H033 | F020A31H033 | F020A41H033 |




@4000K

Beam Angle: 18°

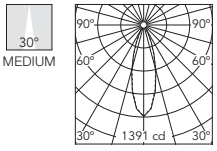
| h(m) | E(lx) | D(m) |
|---|---|---|
| 1 | 3699 | 0.34 |
| 2 | 925 | 0.68 |
| 3 | 411 | 1.02 |
| 4 | 231 | 1.36 |
| 5 | 148 | 1.70 |

[2]**Quick Install I $H_2O$ Stop Fast Connect** - Wiring diagram n.2 page 644 / Esquema eléctrico n.º 2, pág. 644

| 2200K | 2700K | 3000K | 4000K |
|---|---|---|---|
| F020B11H001 | F020B21H001 | F020B31H001 | F020B41H001 |
| F020B11H006 | F020B21H006 | F020B31H006 | F020B41H006 |
| F020B11H012 | F020B21H012 | F020B31H012 | F020B41H012 |
| F020B11H018 | F020B21H018 | F020B31H018 | F020B41H018 |
| F020B11H030 | F020B21H030 | F020B31H030 | F020B41H030 |
| F020B11H033 | F020B21H033 | F020B31H033 | F020B41H033 |

[1]**Standard** - Wiring diagram n.1 page 644 / Esquema eléctrico n.º 1, pág. 644

| 2200K | 2700K | 3000K | 4000K |
|---|---|---|---|
| F020A15H001 | F020A25H001 | F020A35H001 | F020A45H001 |
| F020A15H006 | F020A25H006 | F020A35H006 | F020A45H006 |
| F020A15H012 | F020A25H012 | F020A35H012 | F020A45H012 |
| F020A15H018 | F020A25H018 | F020A35H018 | F020A45H018 |
| F020A15H030 | F020A25H030 | F020A35H030 | F020A45H030 |
| F020A15H033 | F020A25H033 | F020A35H033 | F020A45H033 |




@4000K

Beam Angle: 30°

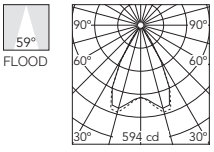
| h(m) | E(lx) | D(m) |
|---|---|---|
| 1 | 1391 | 0.55 |
| 2 | 348 | 1.11 |
| 3 | 155 | 1.66 |
| 4 | 87 | 2.22 |
| 5 | 56 | 2.77 |

[2]**Quick Install I $H_2O$ Stop Fast Connect** - Wiring diagram n.2 page 644 / Esquema eléctrico n.º 2, pág. 644

| 2200K | 2700K | 3000K | 4000K |
|---|---|---|---|
| F020B15H001 | F020B25H001 | F020B35H001 | F020B45H001 |
| F020B15H006 | F020B25H006 | F020B35H006 | F020B45H006 |
| F020B15H012 | F020B25H012 | F020B35H012 | F020B45H012 |
| F020B15H018 | F020B25H018 | F020B35H018 | F020B45H018 |
| F020B15H030 | F020B25H030 | F020B35H030 | F020B45H030 |
| F020B15H033 | F020B25H033 | F020B35H033 | F020B45H033 |

[1]**Standard** - Wiring diagram n.1 page 644 / Esquema eléctrico n.º 1, pág. 644

| 2200K | 2700K | 3000K | 4000K |
|---|---|---|---|
| F020A1AH001 | F020A2AH001 | F020A3AH001 | F020A4AH001 |
| F020A1AH006 | F020A2AH006 | F020A3AH006 | F020A4AH006 |
| F020A1AH012 | F020A2AH012 | F020A3AH012 | F020A4AH012 |
| F020A1AH018 | F020A2AH018 | F020A3AH018 | F020A4AH018 |
| F020A1AH030 | F020A2AH030 | F020A3AH030 | F020A4AH030 |
| F020A1AH033 | F020A2AH033 | F020A3AH033 | F020A4AH033 |




@4000K

Beam Angle: 59°

| h(m) | E(lx) | D(m) |
|---|---|---|
| 1 | 594 | 1.14 |
| 2 | 148 | 2.28 |
| 3 | 66 | 3.41 |
| 4 | 37 | 4.55 |
| 5 | 24 | 5.69 |

[2]**Quick Install I $H_2O$ Stop Fast Connect** - Wiring diagram n.2 page 644 / Esquema eléctrico n.º 2, pág. 644

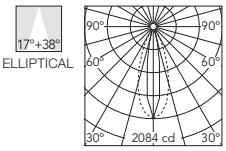
| 2200K | 2700K | 3000K | 4000K |
|---|---|---|---|
| F020B1AH001 | F020B2AH001 | F020B3AH001 | F020B4AH001 |
| F020B1AH006 | F020B2AH006 | F020B3AH006 | F020B4AH006 |
| F020B1AH012 | F020B2AH012 | F020B3AH012 | F020B4AH012 |
| F020B1AH018 | F020B2AH018 | F020B3AH018 | F020B4AH018 |
| F020B1AH030 | F020B2AH030 | F020B3AH030 | F020B4AH030 |
| F020B1AH033 | F020B2AH033 | F020B3AH033 | F020B4AH033 |

[1]Standard Version: 1000 mm lenght prewired cable (connecting accessory to be separately ordered) / pieza de cable de salida 1000 mm (se deben comprar los accesorios para la conexión).

[2]Quick Install In $H_2O$ Stop Version: prewired $H_2O$ Stop Plug&Play connector for an easy/rapid connection (connecting accessory to be ordered separately) / conector $H_2O$ Stop Plug&Play preinstalado para la conexión rápida (se deben comprar los accesorios para la conexión).

[1]**Standard** - Wiring diagram n.1 page 644 / Esquema eléctrico n.º 1, pág. 644

| 2200K | 2700K | 3000K | 4000K |
|---|---|---|---|
| ○ F020A1EH001 | ○ F020A2EH001 | ○ F020A3EH001 | ○ F020A4EH001 |
| ● F020A1EH006 | ● F020A2EH006 | ● F020A3EH006 | ● F020A4EH006 |
| ● F020A1EH012 | ● F020A2EH012 | ● F020A3EH012 | ● F020A4EH012 |
| ● F020A1EH018 | ● F020A2EH018 | ● F020A3EH018 | ● F020A4EH018 |
| ● F020A1EH030 | ● F020A2EH030 | ● F020A3EH030 | ● F020A4EH030 |
| ● F020A1EH033 | ● F020A2EH033 | ● F020A3EH033 | ● F020A4EH033 |




@4000K

Beam Angle: 38°

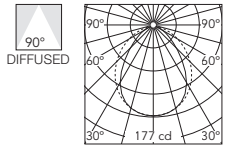
| h(m) | E(lx) | D(m) |
|---|---|---|
| 1 | 2084 | 0.30 |
| 2 | 521 | 0.60 |
| 3 | 232 | 0.90 |
| 4 | 130 | 1.20 |
| 5 | 83 | 1.50 |

[2]**Quick Install I $H_2O$ Stop Fast Connect** - Wiring diagram n.2 page 644 / Esquema eléctrico n.º 2, pág. 644

| 2200K | 2700K | 3000K | 4000K |
|---|---|---|---|
| ○ F020B1EH001 | ○ F020B2EH001 | ○ F020B3EH001 | ○ F020B4EH001 |
| ● F020B1EH006 | ● F020B2EH006 | ● F020B3EH006 | ● F020B4EH006 |
| ● F020B1EH012 | ● F020B2EH012 | ● F020B3EH012 | ● F020B4EH012 |
| ● F020B1EH018 | ● F020B2EH018 | ● F020B3EH018 | ● F020B4EH018 |
| ● F020B1EH030 | ● F020B2EH030 | ● F020B3EH030 | ● F020B4EH030 |
| ● F020B1EH033 | ● F020B2EH033 | ● F020B3EH033 | ● F020B4EH033 |

[1]**Standard** - Wiring diagram n.1 page 644 / Esquema eléctrico n.º 1, pág. 644

| 2200K | 2700K | 3000K | 4000K |
|---|---|---|---|
| ○ F020A1JH001 | ○ F020A2JH001 | ○ F020A3JH001 | ○ F020A4JH001 |
| ● F020A1JH006 | ● F020A2JH006 | ● F020A3JH006 | ● F020A4JH006 |
| ● F020A1JH012 | ● F020A2JH012 | ● F020A3JH012 | ● F020A4JH012 |
| ● F020A1JH018 | ● F020A2JH018 | ● F020A3JH018 | ● F020A4JH018 |
| ● F020A1JH030 | ● F020A2JH030 | ● F020A3JH030 | ● F020A4JH030 |
| ● F020A1JH033 | ● F020A2JH033 | ● F020A3JH033 | ● F020A4JH033 |




@4000K

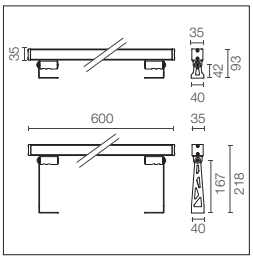
Beam Angle: 90°

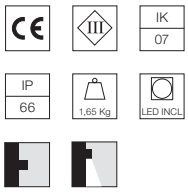
| h(m) | E(lx) | D(m) |
|---|---|---|
| 1 | 177 | 1.67 |
| 2 | 44 | 3.34 |
| 3 | 20 | 5.00 |
| 4 | 11 | 6.67 |
| 5 | 7 | 8.34 |

[2]**Quick Install I $H_2O$ Stop Fast Connect** - Wiring diagram n.2 page 644 / Esquema eléctrico n.º 2, pág. 644

| 2200K | 2700K | 3000K | 4000K |
|---|---|---|---|
| ○ F020B1JH001 | ○ F020B2JH001 | ○ F020B3JH001 | ○ F020B4JH001 |
| ● F020B1JH006 | ● F020B2JH006 | ● F020B3JH006 | ● F020B4JH006 |
| ● F020B1JH012 | ● F020B2JH012 | ● F020B3JH012 | ● F020B4JH012 |
| ● F020B1JH018 | ● F020B2JH018 | ● F020B3JH018 | ● F020B4JH018 |
| ● F020B1JH030 | ● F020B2JH030 | ● F020B3JH030 | ● F020B4JH030 |
| ● F020B1JH033 | ● F020B2JH033 | ● F020B3JH033 | ● F020B4JH033 |

## Outgraze 35 L 600



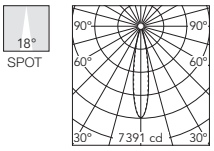

48V remote power supply and installation brackets to be ordered separately. Extra clear transparent glass, excluding the DIFFUSE version with sandblasted glass. Dimmable PWM luminaires. SMART version available upon request (power 7W - flux -50% lm).

Alimentación remota 48V y soportes de instalación que se compran por separado. Vidrio transparente extra claro, excluida la versión DIFFUSED con vidrio arenado. Dispositivos con regulación de la intensidad PWM. Por encargo, la versión SMART (potencia 7W - flujo - 50% lm).

**Power Led:** 12W - 1391 lm ≠ *FIXT 1034 lm - 2700K/CRI 80 - 48V / 12W - 1441 lm ≠ *FIXT 1071 lm - 3000K/CRI 80 - 48V / 12W - 1490 lm ≠ *FIXT 1108 lm - 4000K/CRI 80 - 48V
*FIXT lm = Medium Optic

[1]**Standard** - Wiring diagram n.1 page 644 / Esquema eléctrico n.º 1, pág. 644

| 2200K | 2700K | 3000K | 4000K |
|---|---|---|---|
| F020A12H001 | F020A22H001 | F020A32H001 | F020A42H001 |
| F020A12H006 | F020A22H006 | F020A32H006 | F020A42H006 |
| F020A12H012 | F020A22H012 | F020A32H012 | F020A42H012 |
| F020A12H018 | F020A22H018 | F020A32H018 | F020A42H018 |
| F020A12H030 | F020A22H030 | F020A32H030 | F020A42H030 |
| F020A12H033 | F020A22H033 | F020A32H033 | F020A42H033 |




@4000K

| Beam Angle: | | 18° |
|---|---|---|
| h(m) | E(lx) | D(m) |
| 1 | 7391 | 0.34 |
| 2 | 1848 | 0.68 |
| 3 | 821 | 1.02 |
| 4 | 462 | 1.36 |
| 5 | 296 | 1.70 |

[2]**Quick Install I $H_2O$ Stop Fast Connect** - Wiring diagram n.2 page 644 / Esquema eléctrico n.º 2, pág. 644

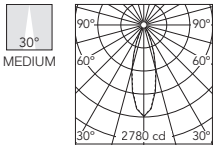
| 2200K | 2700K | 3000K | 4000K |
|---|---|---|---|
| F020B12H001 | F020B22H001 | F020B32H001 | F020B42H001 |
| F020B12H006 | F020B22H006 | F020B32H006 | F020B42H006 |
| F020B12H012 | F020B22H012 | F020B32H012 | F020B42H012 |
| F020B12H018 | F020B22H018 | F020B32H018 | F020B42H018 |
| F020B12H030 | F020B22H030 | F020B32H030 | F020B42H030 |
| F020B12H033 | F020B22H033 | F020B32H033 | F020B42H033 |

[3]**Continuous Line I/O $H_2O$ Stop Fast Connect** - Wiring diagram n.3 page 644 / Esquema eléctrico n.º 3, pág. 644

| 2200K | 2700K | 3000K | 4000K |
|---|---|---|---|
| F020C12H001 | F020C22H001 | F020C32H001 | F020C42H001 |
| F020C12H006 | F020C22H006 | F020C32H006 | F020C42H006 |
| F020C12H012 | F020C22H012 | F020C32H012 | F020C42H012 |
| F020C12H018 | F020C22H018 | F020C32H018 | F020C42H018 |
| F020C12H030 | F020C22H030 | F020C32H030 | F020C42H030 |
| F020C12H033 | F020C22H033 | F020C32H033 | F020C42H033 |

[1]**Standard** - Wiring diagram n.1 page 644 / Esquema eléctrico n.º 1, pág. 644

| 2200K | 2700K | 3000K | 4000K |
|---|---|---|---|
| F020A16H001 | F020A26H001 | F020A36H001 | F020A46H001 |
| F020A16H006 | F020A26H006 | F020A36H006 | F020A46H006 |
| F020A16H012 | F020A26H012 | F020A36H012 | F020A46H012 |
| F020A16H018 | F020A26H018 | F020A36H018 | F020A46H018 |
| F020A16H030 | F020A26H030 | F020A36H030 | F020A46H030 |
| F020A16H033 | F020A26H033 | F020A36H033 | F020A46H033 |




@4000K

| Beam Angle: | | 30° |
|---|---|---|
| h(m) | E(lx) | D(m) |
| 1 | 2780 | 0.55 |
| 2 | 695 | 1.11 |
| 3 | 309 | 1.66 |
| 4 | 174 | 2.22 |
| 5 | 111 | 2.77 |

[2]**Quick Install I $H_2O$ Stop Fast Connect** - Wiring diagram n.2 page 644 / Esquema eléctrico n.º 2, pág. 644

| 2200K | 2700K | 3000K | 4000K |
|---|---|---|---|
| F020B16H001 | F020B26H001 | F020B36H001 | F020B46H001 |
| F020B16H006 | F020B26H006 | F020B36H006 | F020B46H006 |
| F020B16H012 | F020B26H012 | F020B36H012 | F020B46H012 |
| F020B16H018 | F020B26H018 | F020B36H018 | F020B46H018 |
| F020B16H030 | F020B26H030 | F020B36H030 | F020B46H030 |
| F020B16H033 | F020B26H033 | F020B36H033 | F020B46H033 |

[3]**Continuous Line I/O $H_2O$ Stop Fast Connect** - Wiring diagram n.3 page 644 / Esquema eléctrico n.º 3, pág. 644

| 2200K | 2700K | 3000K | 4000K |
|---|---|---|---|
| F020C16H001 | F020C26H001 | F020C36H001 | F020C46H001 |
| F020C16H006 | F020C26H006 | F020C36H006 | F020C46H006 |
| F020C16H012 | F020C26H012 | F020C36H012 | F020C46H012 |
| F020C16H018 | F020C26H018 | F020C36H018 | F020C46H018 |
| F020C16H030 | F020C26H030 | F020C36H030 | F020C46H030 |
| F020C16H033 | F020C26H033 | F020C36H033 | F020C46H033 |

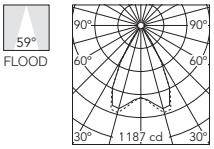
[1]Standard Version: 1000 mm lenght prewired cable (connecting accessory to be separately ordered) / pieza de cable de salida 1000 mm (se deben comprar los accesorios para la conexión).

[2]Quick Install In $H_2O$ Stop Version: prewired $H_2O$ Stop Plug&Play connector for an easy/rapid connection (connecting accessory to be ordered separately) / conector $H_2O$ Stop Plug&Play preinstalado para la conexión rápida (se deben comprar los accesorios para la conexión).

[3]Continous Line In/Out $H_2O$ Stop Version: prewired $H_2O$ Stop Plug&Play connectors for an easy in line connection (connecting accessory to be ordered separately) / conectores $H_2O$ Stop Plug&Play preinstalados para la conexión en linea (se deben comprar los accesorios para la conexión).

[1]**Standard** - Wiring diagram n.1 page 644 / Esquema eléctrico n.º 1, pág. 644

| 2200K | 2700K | 3000K | 4000K |
|---|---|---|---|
| F020A1BH001 | F020A2BH001 | F020A3BH001 | F020A4BH001 |
| F020A1BH006 | F020A2BH006 | F020A3BH006 | F020A4BH006 |
| F020A1BH012 | F020A2BH012 | F020A3BH012 | F020A4BH012 |
| F020A1BH018 | F020A2BH018 | F020A3BH018 | F020A4BH018 |
| F020A1BH030 | F020A2BH030 | F020A3BH030 | F020A4BH030 |
| F020A1BH033 | F020A2BH033 | F020A3BH033 | F020A4BH033 |




@4000K

Beam Angle: 59°

| h(m) | E(lx) | D(m) |
|---|---|---|
| 1 | 1187 | 1.14 |
| 2 | 297 | 2.28 |
| 3 | 132 | 3.41 |
| 4 | 74 | 4.55 |
| 5 | 47 | 5.69 |

[2]**Quick Install I $H_2O$ Stop Fast Connect** - Wiring diagram n.2 page 644 / Esquema eléctrico n.º 2, pág. 644

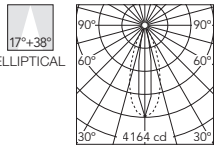
| 2200K | 2700K | 3000K | 4000K |
|---|---|---|---|
| F020B1BH001 | F020B2BH001 | F020B3BH001 | F020B4BH001 |
| F020B1BH006 | F020B2BH006 | F020B3BH006 | F020B4BH006 |
| F020B1BH012 | F020B2BH012 | F020B3BH012 | F020B4BH012 |
| F020B1BH018 | F020B2BH018 | F020B3BH018 | F020B4BH018 |
| F020B1BH030 | F020B2BH030 | F020B3BH030 | F020B4BH030 |
| F020B1BH033 | F020B2BH033 | F020B3BH033 | F020B4BH033 |

[3]**Continuous Line I/O $H_2O$ Stop Fast Connect** - Wiring diagram n.3 page 644 / Esquema eléctrico n.º 3, pág. 644

| 2200K | 2700K | 3000K | 4000K |
|---|---|---|---|
| F020C1BH001 | F020C2BH001 | F020C3BH001 | F020C4BH001 |
| F020C1BH006 | F020C2BH006 | F020C3BH006 | F020C4BH006 |
| F020C1BH012 | F020C2BH012 | F020C3BH012 | F020C4BH012 |
| F020C1BH018 | F020C2BH018 | F020C3BH018 | F020C4BH018 |
| F020C1BH030 | F020C2BH030 | F020C3BH030 | F020C4BH030 |
| F020C1BH033 | F020C2BH033 | F020C3BH033 | F020C4BH033 |

[1]**Standard** - Wiring diagram n.1 page 644 / Esquema eléctrico n.º 1, pág. 644

| 2200K | 2700K | 3000K | 4000K |
|---|---|---|---|
| F020A1FH001 | F020A2FH001 | F020A3FH001 | F020A4FH001 |
| F020A1FH006 | F020A2FH006 | F020A3FH006 | F020A4FH006 |
| F020A1FH012 | F020A2FH012 | F020A3FH012 | F020A4FH012 |
| F020A1FH018 | F020A2FH018 | F020A3FH018 | F020A4FH018 |
| F020A1FH030 | F020A2FH030 | F020A3FH030 | F020A4FH030 |
| F020A1FH033 | F020A2FH033 | F020A3FH033 | F020A4FH033 |




@4000K

Beam Angle: 38°

| h(m) | E(lx) | D(m) |
|---|---|---|
| 1 | 4164 | 0.30 |
| 2 | 1041 | 0.60 |
| 3 | 463 | 0.90 |
| 4 | 260 | 1.20 |
| 5 | 167 | 1.50 |

[2]**Quick Install I $H_2O$ Stop Fast Connect** - Wiring diagram n.2 page 644 / Esquema eléctrico n.º 2, pág. 644

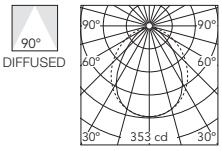
| 2200K | 2700K | 3000K | 4000K |
|---|---|---|---|
| F020B1FH001 | F020B2FH001 | F020B3FH001 | F020B4FH001 |
| F020B1FH006 | F020B2FH006 | F020B3FH006 | F020B4FH006 |
| F020B1FH012 | F020B2FH012 | F020B3FH012 | F020B4FH012 |
| F020B1FH018 | F020B2FH018 | F020B3FH018 | F020B4FH018 |
| F020B1FH030 | F020B2FH030 | F020B3FH030 | F020B4FH030 |
| F020B1FH033 | F020B2FH033 | F020B3FH033 | F020B4FH033 |

[3]**Continuous Line I/O $H_2O$ Stop Fast Connect** - Wiring diagram n.3 page 644 / Esquema eléctrico n.º 3, pág. 644

| 2200K | 2700K | 3000K | 4000K |
|---|---|---|---|
| F020C1FH001 | F020C2FH001 | F020C3FH001 | F020C4FH001 |
| F020C1FH006 | F020C2FH006 | F020C3FH006 | F020C4FH006 |
| F020C1FH012 | F020C2FH012 | F020C3FH012 | F020C4FH012 |
| F020C1FH018 | F020C2FH018 | F020C3FH018 | F020C4FH018 |
| F020C1FH030 | F020C2FH030 | F020C3FH030 | F020C4FH030 |
| F020C1FH033 | F020C2FH033 | F020C3FH033 | F020C4FH033 |

[1]**Standard** - Wiring diagram n.1 page 644 / Esquema eléctrico n.º 1, pág. 644

| 2200K | 2700K | 3000K | 4000K |
|---|---|---|---|
| F020A1KH001 | F020A2KH001 | F020A3KH001 | F020A4KH001 |
| F020A1KH006 | F020A2KH006 | F020A3KH006 | F020A4KH006 |
| F020A1KH012 | F020A2KH012 | F020A3KH012 | F020A4KH012 |
| F020A1KH018 | F020A2KH018 | F020A3KH018 | F020A4KH018 |
| F020A1KH030 | F020A2KH030 | F020A3KH030 | F020A4KH030 |
| F020A1KH033 | F020A2KH033 | F020A3KH033 | F020A4KH033 |




@4000K

Beam Angle: 90°

| h(m) | E(lx) | D(m) |
|---|---|---|
| 1 | 353 | 1.67 |
| 2 | 88 | 3.34 |
| 3 | 39 | 5.00 |
| 4 | 22 | 6.67 |
| 5 | 14 | 8.34 |

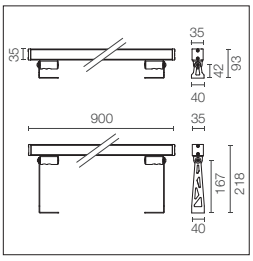
[2]**Quick Install I $H_2O$ Stop Fast Connect** - Wiring diagram n.2 page 644 / Esquema eléctrico n.º 2, pág. 644

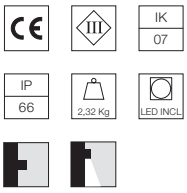
| 2200K | 2700K | 3000K | 4000K |
|---|---|---|---|
| F020B1KH001 | F020B2KH001 | F020B3KH001 | F020B4KH001 |
| F020B1KH006 | F020B2KH006 | F020B3KH006 | F020B4KH006 |
| F020B1KH012 | F020B2KH012 | F020B3KH012 | F020B4KH012 |
| F020B1KH018 | F020B2KH018 | F020B3KH018 | F020B4KH018 |
| F020B1KH030 | F020B2KH030 | F020B3KH030 | F020B4KH030 |
| F020B1KH033 | F020B2KH033 | F020B3KH033 | F020B4KH033 |

[3]**Continuous Line I/O $H_2O$ Stop Fast Connect** - Wiring diagram n.3 page 644 / Esquema eléctrico n.º 3, pág. 644

| 2200K | 2700K | 3000K | 4000K |
|---|---|---|---|
| F020C1KH001 | F020C2KH001 | F020C3KH001 | F020C4KH001 |
| F020C1KH006 | F020C2KH006 | F020C3KH006 | F020C4KH006 |
| F020C1KH012 | F020C2KH012 | F020C3KH012 | F020C4KH012 |
| F020C1KH018 | F020C2KH018 | F020C3KH018 | F020C4KH018 |
| F020C1KH030 | F020C2KH030 | F020C3KH030 | F020C4KH030 |
| F020C1KH033 | F020C2KH033 | F020C3KH033 | F020C4KH033 |

## Outgraze 35 L 900



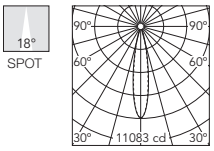

48V remote power supply and installation brackets to be ordered separately. Extra clear transparent glass, excluding the DIFFUSE version with sandblasted glass. Dimmable PWM luminaires. SMART version available upon request (power 11W - flux -50% lm).

Alimentación remota 48V y soportes de instalación que se compran por separado. Vidrio transparente extra claro, excluida la versión DIFFUSED con vidrio arenado. Dispositivos con regulación de la intensidad PWM. Por encargo, la versión SMART (potencia 11W - flujo - 50% lm).

**Power Led:** 18W - 2087 lm ≠ *FIXT 1551 lm - 2700K/CRI 80 - 48V / 18W - 2161 lm ≠ *FIXT 1607 lm - 3000K/CRI 80 - 48V / 18W - 2236 lm ≠ *FIXT 1662 lm - 4000K/CRI 80 - 48V
*FIXT lm = Medium Optic

[1]**Standard** - Wiring diagram n.1 page 644 / Esquema eléctrico n.º 1, pág. 644

| 2200K | 2700K | 3000K | 4000K |
|---|---|---|---|
| F020A13H001 | F020A23H001 | F020A33H001 | F020A43H001 |
| F020A13H006 | F020A23H006 | F020A33H006 | F020A43H006 |
| F020A13H012 | F020A23H012 | F020A33H012 | F020A43H012 |
| F020A13H018 | F020A23H018 | F020A33H018 | F020A43H018 |
| F020A13H030 | F020A23H030 | F020A33H030 | F020A43H030 |
| F020A13H033 | F020A23H033 | F020A33H033 | F020A43H033 |




@4000K

| Beam Angle: | | 18° |
|---|---|---|
| h(m) | E(lx) | D(m) |
| 1 | 11083 | 0.34 |
| 2 | 2771 | 0.68 |
| 3 | 1231 | 1.02 |
| 4 | 693 | 1.36 |
| 5 | 443 | 1.70 |

[2]**Quick Install I $H_2O$ Stop Fast Connect** - Wiring diagram n.2 page 644 / Esquema eléctrico n.º 2, pág. 644

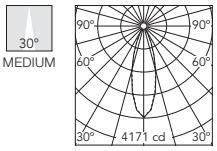
| 2200K | 2700K | 3000K | 4000K |
|---|---|---|---|
| F020B13H001 | F020B23H001 | F020B33H001 | F020B43H001 |
| F020B13H006 | F020B23H006 | F020B33H006 | F020B43H006 |
| F020B13H012 | F020B23H012 | F020B33H012 | F020B43H012 |
| F020B13H018 | F020B23H018 | F020B33H018 | F020B43H018 |
| F020B13H030 | F020B23H030 | F020B33H030 | F020B43H030 |
| F020B13H033 | F020B23H033 | F020B33H033 | F020B43H033 |

[3]**Continuous Line I/O $H_2O$ Stop Fast Connect** - Wiring diagram n.3 page 644 / Esquema eléctrico n.º 3, pág. 644

| 2200K | 2700K | 3000K | 4000K |
|---|---|---|---|
| F020C13H001 | F020C23H001 | F020C33H001 | F020C43H001 |
| F020C13H006 | F020C23H006 | F020C33H006 | F020C43H006 |
| F020C13H012 | F020C23H012 | F020C33H012 | F020C43H012 |
| F020C13H018 | F020C23H018 | F020C33H018 | F020C43H018 |
| F020C13H030 | F020C23H030 | F020C33H030 | F020C43H030 |
| F020C13H033 | F020C23H033 | F020C33H033 | F020C43H033 |

[1]**Standard** - Wiring diagram n.1 page 644 / Esquema eléctrico n.º 1, pág. 644

| 2200K | 2700K | 3000K | 4000K |
|---|---|---|---|
| F020A17H001 | F020A27H001 | F020A37H001 | F020A47H001 |
| F020A17H006 | F020A27H006 | F020A37H006 | F020A47H006 |
| F020A17H012 | F020A27H012 | F020A37H012 | F020A47H012 |
| F020A17H018 | F020A27H018 | F020A37H018 | F020A47H018 |
| F020A17H030 | F020A27H030 | F020A37H030 | F020A47H030 |
| F020A17H033 | F020A27H033 | F020A37H033 | F020A47H033 |




@4000K

| Beam Angle: | | 30° |
|---|---|---|
| h(m) | E(lx) | D(m) |
| 1 | 4171 | 0.55 |
| 2 | 1043 | 1.11 |
| 3 | 463 | 1.66 |
| 4 | 261 | 2.22 |
| 5 | 167 | 2.77 |

[2]**Quick Install I $H_2O$ Stop Fast Connect** - Wiring diagram n.2 page 644 / Esquema eléctrico n.º 2, pág. 644

| 2200K | 2700K | 3000K | 4000K |
|---|---|---|---|
| F020B17H001 | F020B27H001 | F020B37H001 | F020B47H001 |
| F020B17H006 | F020B27H006 | F020B37H006 | F020B47H006 |
| F020B17H012 | F020B27H012 | F020B37H012 | F020B47H012 |
| F020B17H018 | F020B27H018 | F020B37H018 | F020B47H018 |
| F020B17H030 | F020B27H030 | F020B37H030 | F020B47H030 |
| F020B17H033 | F020B27H033 | F020B37H033 | F020B47H033 |

[3]**Continuous Line I/O $H_2O$ Stop Fast Connect** - Wiring diagram n.3 page 644 / Esquema eléctrico n.º 3, pág. 644

| 2200K | 2700K | 3000K | 4000K |
|---|---|---|---|
| F020C17H001 | F020C27H001 | F020C37H001 | F020C47H001 |
| F020C17H006 | F020C27H006 | F020C37H006 | F020C47H006 |
| F020C17H012 | F020C27H012 | F020C37H012 | F020C47H012 |
| F020C17H018 | F020C27H018 | F020C37H018 | F020C47H018 |
| F020C17H030 | F020C27H030 | F020C37H030 | F020C47H030 |
| F020C17H033 | F020C27H033 | F020C37H033 | F020C47H033 |

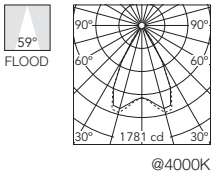
[1]Standard Version: 1000 mm lenght prewired cable (connecting accessory to be separately ordered) / pieza de cable de salida 1000 mm (se deben comprar los accesorios para la conexión).

[2]Quick Install In $H_2O$ Stop Version: prewired $H_2O$ Stop Plug&Play connector for an easy/rapid connection (connecting accessory to be ordered separately) / conector $H_2O$ Stop Plug&Play preinstalado para la conexión rápida (se deben comprar los accesorios para la conexión).

[3]Continous Line In/Out $H_2O$ Stop Version: prewired $H_2O$ Stop Plug&Play connectors for an easy in line connection (connecting accessory to be ordered separately) / conectores $H_2O$ Stop Plug&Play preinstalados para la conexión en linea (se deben comprar los accesorios para la conexión).

[1]**Standard** - Wiring diagram n.1 page 644 / Esquema eléctrico n.º 1, pág. 644

| 2200K | 2700K | 3000K | 4000K |
|---|---|---|---|
| F020A1CH001 | F020A2CH001 | F020A3CH001 | F020A4CH001 |
| F020A1CH006 | F020A2CH006 | F020A3CH006 | F020A4CH006 |
| F020A1CH012 | F020A2CH012 | F020A3CH012 | F020A4CH012 |
| F020A1CH018 | F020A2CH018 | F020A3CH018 | F020A4CH018 |
| F020A1CH030 | F020A2CH030 | F020A3CH030 | F020A4CH030 |
| F020A1CH033 | F020A2CH033 | F020A3CH033 | F020A4CH033 |




Beam Angle: 59°

| h(m) | E(lx) | D(m) |
|---|---|---|
| 1 | 1781 | 1.14 |
| 2 | 445 | 2.28 |
| 3 | 198 | 3.41 |
| 4 | 111 | 4.55 |
| 5 | 71 | 5.69 |

@4000K

[2]**Quick Install I $H_2O$ Stop Fast Connect** - Wiring diagram n.2 page 644 / Esquema eléctrico n.º 2, pág. 644

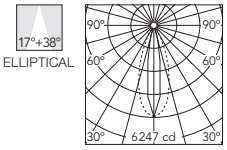
| 2200K | 2700K | 3000K | 4000K |
|---|---|---|---|
| F020B1CH001 | F020B2CH001 | F020B3CH001 | F020B4CH001 |
| F020B1CH006 | F020B2CH006 | F020B3CH006 | F020B4CH006 |
| F020B1CH012 | F020B2CH012 | F020B3CH012 | F020B4CH012 |
| F020B1CH018 | F020B2CH018 | F020B3CH018 | F020B4CH018 |
| F020B1CH030 | F020B2CH030 | F020B3CH030 | F020B4CH030 |
| F020B1CH033 | F020B2CH033 | F020B3CH033 | F020B4CH033 |

[3]**Continuous Line I/O $H_2O$ Stop Fast Connect** - Wiring diagram n.3 page 644 / Esquema eléctrico n.º 3, pág. 644

| 2200K | 2700K | 3000K | 4000K |
|---|---|---|---|
| F020C1CH001 | F020C2CH001 | F020C3CH001 | F020C4CH001 |
| F020C1CH006 | F020C2CH006 | F020C3CH006 | F020C4CH006 |
| F020C1CH012 | F020C2CH012 | F020C3CH012 | F020C4CH012 |
| F020C1CH018 | F020C2CH018 | F020C3CH018 | F020C4CH018 |
| F020C1CH030 | F020C2CH030 | F020C3CH030 | F020C4CH030 |
| F020C1CH033 | F020C2CH033 | F020C3CH033 | F020C4CH033 |

[1]**Standard** - Wiring diagram n.1 page 644 / Esquema eléctrico n.º 1, pág. 644

| 2200K | 2700K | 3000K | 4000K |
|---|---|---|---|
| F020A1GH001 | F020A2GH001 | F020A3GH001 | F020A4GH001 |
| F020A1GH006 | F020A2GH006 | F020A3GH006 | F020A4GH006 |
| F020A1GH012 | F020A2GH012 | F020A3GH012 | F020A4GH012 |
| F020A1GH018 | F020A2GH018 | F020A3GH018 | F020A4GH018 |
| F020A1GH030 | F020A2GH030 | F020A3GH030 | F020A4GH030 |
| F020A1GH033 | F020A2GH033 | F020A3GH033 | F020A4GH033 |




Beam Angle: 38°

| h(m) | E(lx) | D(m) |
|---|---|---|
| 1 | 6247 | 0.30 |
| 2 | 1562 | 0.60 |
| 3 | 694 | 0.90 |
| 4 | 390 | 1.20 |
| 5 | 250 | 1.50 |

@4000K

[2]**Quick Install I $H_2O$ Stop Fast Connect** - Wiring diagram n.2 page 644 / Esquema eléctrico n.º 2, pág. 644

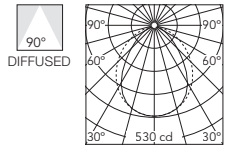
| 2200K | 2700K | 3000K | 4000K |
|---|---|---|---|
| F020B1GH001 | F020B2GH001 | F020B3GH001 | F020B4GH001 |
| F020B1GH006 | F020B2GH006 | F020B3GH006 | F020B4GH006 |
| F020B1GH012 | F020B2GH012 | F020B3GH012 | F020B4GH012 |
| F020B1GH018 | F020B2GH018 | F020B3GH018 | F020B4GH018 |
| F020B1GH030 | F020B2GH030 | F020B3GH030 | F020B4GH030 |
| F020B1GH033 | F020B2GH033 | F020B3GH033 | F020B4GH033 |

[3]**Continuous Line I/O $H_2O$ Stop Fast Connect** - Wiring diagram n.3 page 644 / Esquema eléctrico n.º 3, pág. 644

| 2200K | 2700K | 3000K | 4000K |
|---|---|---|---|
| F020C1GH001 | F020C2GH001 | F020C3GH001 | F020C4GH001 |
| F020C1GH006 | F020C2GH006 | F020C3GH006 | F020C4GH006 |
| F020C1GH012 | F020C2GH012 | F020C3GH012 | F020C4GH012 |
| F020C1GH018 | F020C2GH018 | F020C3GH018 | F020C4GH018 |
| F020C1GH030 | F020C2GH030 | F020C3GH030 | F020C4GH030 |
| F020C1GH033 | F020C2GH033 | F020C3GH033 | F020C4GH033 |

[1]**Standard** - Wiring diagram n.1 page 644 / Esquema eléctrico n.º 1, pág. 644

| 2200K | 2700K | 3000K | 4000K |
|---|---|---|---|
| F020A1LH001 | F020A2LH001 | F020A3LH001 | F020A4LH001 |
| F020A1LH006 | F020A2LH006 | F020A3LH006 | F020A4LH006 |
| F020A1LH012 | F020A2LH012 | F020A3LH012 | F020A4LH012 |
| F020A1LH018 | F020A2LH018 | F020A3LH018 | F020A4LH018 |
| F020A1LH030 | F020A2LH030 | F020A3LH030 | F020A4LH030 |
| F020A1LH033 | F020A2LH033 | F020A3LH033 | F020A4LH033 |




Beam Angle: 90°

| h(m) | E(lx) | D(m) |
|---|---|---|
| 1 | 530 | 1.67 |
| 2 | 132 | 3.34 |
| 3 | 59 | 5.00 |
| 4 | 33 | 6.67 |
| 5 | 21 | 8.34 |

@4000K

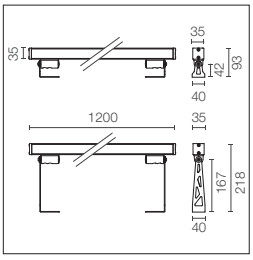
[2]**Quick Install I $H_2O$ Stop Fast Connect** - Wiring diagram n.2 page 644 / Esquema eléctrico n.º 2, pág. 644

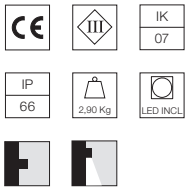
| 2200K | 2700K | 3000K | 4000K |
|---|---|---|---|
| F020B1LH001 | F020B2LH001 | F020B3LH001 | F020B4LH001 |
| F020B1LH006 | F020B2LH006 | F020B3LH006 | F020B4LH006 |
| F020B1LH012 | F020B2LH012 | F020B3LH012 | F020B4LH012 |
| F020B1LH018 | F020B2LH018 | F020B3LH018 | F020B4LH018 |
| F020B1LH030 | F020B2LH030 | F020B3LH030 | F020B4LH030 |
| F020B1LH033 | F020B2LH033 | F020B3LH033 | F020B4LH033 |

[3]**Continuous Line I/O $H_2O$ Stop Fast Connect** - Wiring diagram n.3 page 644 / Esquema eléctrico n.º 3, pág. 644

| 2200K | 2700K | 3000K | 4000K |
|---|---|---|---|
| F020C1LH001 | F020C2LH001 | F020C3LH001 | F020C4LH001 |
| F020C1LH006 | F020C2LH006 | F020C3LH006 | F020C4LH006 |
| F020C1LH012 | F020C2LH012 | F020C3LH012 | F020C4LH012 |
| F020C1LH018 | F020C2LH018 | F020C3LH018 | F020C4LH018 |
| F020C1LH030 | F020C2LH030 | F020C3LH030 | F020C4LH030 |
| F020C1LH033 | F020C2LH033 | F020C3LH033 | F020C4LH033 |

## Outgraze 35 L 1200



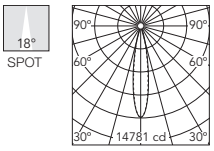

48V remote power supply and installation brackets to be ordered separately. Extra clear transparent glass, excluding the DIFFUSE version with sandblasted glass. Dimmable PWM luminaires. SMART version available upon request (power 14W - flux -50% lm).

Alimentación remota 48V y soportes de instalación que se compran por separado. Vidrio transparente extra claro, excluida la versión DIFFUSED con vidrio arenado. Dispositivos con regulación de la intensidad PWM. Por encargo, la versión SMART (potencia 14W - flujo - 50% lm).

**Power Led:** 23W - 2782 lm ≠ *FIXT 2069 lm - 2700K/CRI 80 - 48V /23W - 2881 lm ≠ *FIXT 2142 lm - 3000K/CRI 80 - 48V / 23W - 2981 lm ≠ *FIXT 2216 lm - 4000K/CRI 80 - 48V
*FIXT lm = Medium Optic

[1]**Standard** - Wiring diagram n.1 page 644 / Esquema eléctrico n.º 1, pág. 644

| 2200K | 2700K | 3000K | 4000K |
|---|---|---|---|
| F020A14H001 | F020A24H001 | F020A34H001 | F020A44H001 |
| F020A14H006 | F020A24H006 | F020A34H006 | F020A44H006 |
| F020A14H012 | F020A24H012 | F020A34H012 | F020A44H012 |
| F020A14H018 | F020A24H018 | F020A34H018 | F020A44H018 |
| F020A14H030 | F020A24H030 | F020A34H030 | F020A44H030 |
| F020A14H033 | F020A24H033 | F020A34H033 | F020A44H033 |




@4000K

| Beam Angle: | | 18° |
|---|---|---|
| h(m) | E(lx) | D(m) |
| 1 | 14781 | 0.34 |
| 2 | 3695 | 0.68 |
| 3 | 1642 | 1.02 |
| 4 | 924 | 1.36 |
| 5 | 591 | 1.70 |

[2]**Quick Install I $H_2O$ Stop Fast Connect** - Wiring diagram n.2 page 644 / Esquema eléctrico n.º 2, pág. 644

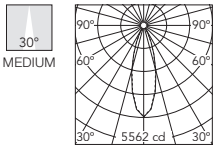
| 2200K | 2700K | 3000K | 4000K |
|---|---|---|---|
| F020B14H001 | F020B24H001 | F020B34H001 | F020B44H001 |
| F020B14H006 | F020B24H006 | F020B34H006 | F020B44H006 |
| F020B14H012 | F020B24H012 | F020B34H012 | F020B44H012 |
| F020B14H018 | F020B24H018 | F020B34H018 | F020B44H018 |
| F020B14H030 | F020B24H030 | F020B34H030 | F020B44H030 |
| F020B14H033 | F020B24H033 | F020B34H033 | F020B44H033 |

[3]**Continuous Line I/O $H_2O$ Stop Fast Connect** - Wiring diagram n.3 page 644 / Esquema eléctrico n.º 3, pág. 644

| 2200K | 2700K | 3000K | 4000K |
|---|---|---|---|
| F020C14H001 | F020C24H001 | F020C34H001 | F020C44H001 |
| F020C14H006 | F020C24H006 | F020C34H006 | F020C44H006 |
| F020C14H012 | F020C24H012 | F020C34H012 | F020C44H012 |
| F020C14H018 | F020C24H018 | F020C34H018 | F020C44H018 |
| F020C14H030 | F020C24H030 | F020C34H030 | F020C44H030 |
| F020C14H033 | F020C24H033 | F020C34H033 | F020C44H033 |

[1]**Standard** - Wiring diagram n.1 page 644 / Esquema eléctrico n.º 1, pág. 644

| 2200K | 2700K | 3000K | 4000K |
|---|---|---|---|
| F020A18H001 | F020A28H001 | F020A38H001 | F020A48H001 |
| F020A18H006 | F020A28H006 | F020A38H006 | F020A48H006 |
| F020A18H012 | F020A28H012 | F020A38H012 | F020A48H012 |
| F020A18H018 | F020A28H018 | F020A38H018 | F020A48H018 |
| F020A18H030 | F020A28H030 | F020A38H030 | F020A48H030 |
| F020A18H033 | F020A28H033 | F020A38H033 | F020A48H033 |




@4000K

| Beam Angle: | | 30° |
|---|---|---|
| h(m) | E(lx) | D(m) |
| 1 | 5562 | 0.55 |
| 2 | 1390 | 1.11 |
| 3 | 618 | 1.66 |
| 4 | 348 | 2.22 |
| 5 | 222 | 2.77 |

[2]**Quick Install I $H_2O$ Stop Fast Connect** - Wiring diagram n.2 page 644 / Esquema eléctrico n.º 2, pág. 644

| 2200K | 2700K | 3000K | 4000K |
|---|---|---|---|
| F020B18H001 | F020B28H001 | F020B38H001 | F020B48H001 |
| F020B18H006 | F020B28H006 | F020B38H006 | F020B48H006 |
| F020B18H012 | F020B28H012 | F020B38H012 | F020B48H012 |
| F020B18H018 | F020B28H018 | F020B38H018 | F020B48H018 |
| F020B18H030 | F020B28H030 | F020B38H030 | F020B48H030 |
| F020B18H033 | F020B28H033 | F020B38H033 | F020B48H033 |

[3]**Continuous Line I/O $H_2O$ Stop Fast Connect** - Wiring diagram n.3 page 644 / Esquema eléctrico n.º 3, pág. 644

| 2200K | 2700K | 3000K | 4000K |
|---|---|---|---|
| F020C18H001 | F020C28H001 | F020C38H001 | F020C48H001 |
| F020C18H006 | F020C28H006 | F020C38H006 | F020C48H006 |
| F020C18H012 | F020C28H012 | F020C38H012 | F020C48H012 |
| F020C18H018 | F020C28H018 | F020C38H018 | F020C48H018 |
| F020C18H030 | F020C28H030 | F020C38H030 | F020C48H030 |
| F020C18H033 | F020C28H033 | F020C38H033 | F020C48H033 |

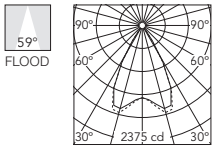
[1]Standard Version: 1000 mm lenght prewired cable (connecting accessory to be separately ordered) / pieza de cable de salida 1000 mm (se deben comprar los accesorios para la conexión).

[2]Quick Install In $H_2O$ Stop Version: prewired $H_2O$ Stop Plug&Play connector for an easy/rapid connection (connecting accessory to be ordered separately) / conector $H_2O$ Stop Plug&Play preinstalado para la conexión rápida (se deben comprar los accesorios para la conexión).

[3]Continous Line In/Out $H_2O$ Stop Version: prewired $H_2O$ Stop Plug&Play connectors for an easy in line connection (connecting accessory to be ordered separately) / conectores $H_2O$ Stop Plug&Play preinstalados para la conexión en linea (se deben comprar los accesorios para la conexión).

[1]**Standard** - Wiring diagram n.1 page 644 / Esquema eléctrico n.º 1, pág. 644

| 2200K | 2700K | 3000K | 4000K |
|---|---|---|---|
| F020A1DH001 | F020A2DH001 | F020A3DH001 | F020A4DH001 |
| F020A1DH006 | F020A2DH006 | F020A3DH006 | F020A4DH006 |
| F020A1DH012 | F020A2DH012 | F020A3DH012 | F020A4DH012 |
| F020A1DH018 | F020A2DH018 | F020A3DH018 | F020A4DH018 |
| F020A1DH030 | F020A2DH030 | F020A3DH030 | F020A4DH030 |
| F020A1DH033 | F020A2DH033 | F020A3DH033 | F020A4DH033 |




Beam Angle: 59°

| h(m) | E(lx) | D(m) |
|---|---|---|
| 1 | 2375 | 1.14 |
| 2 | 594 | 2.28 |
| 3 | 264 | 3.41 |
| 4 | 148 | 4.55 |
| 5 | 95 | 5.69 |

@4000K

[2]**Quick Install I $H_2O$ Stop Fast Connect** - Wiring diagram n.2 page 644 / Esquema eléctrico n.º 2, pág. 644

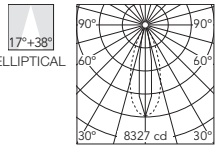
| 2200K | 2700K | 3000K | 4000K |
|---|---|---|---|
| F020B1DH001 | F020B2DH001 | F020B3DH001 | F020B4DH001 |
| F020B1DH006 | F020B2DH006 | F020B3DH006 | F020B4DH006 |
| F020B1DH012 | F020B2DH012 | F020B3DH012 | F020B4DH012 |
| F020B1DH018 | F020B2DH018 | F020B3DH018 | F020B4DH018 |
| F020B1DH030 | F020B2DH030 | F020B3DH030 | F020B4DH030 |
| F020B1DH033 | F020B2DH033 | F020B3DH033 | F020B4DH033 |

[3]**Continuous Line I/O $H_2O$ Stop Fast Connect** - Wiring diagram n.3 page 644 / Esquema eléctrico n.º 3, pág. 644

| 2200K | 2700K | 3000K | 4000K |
|---|---|---|---|
| F020C1DH001 | F020C2DH001 | F020C3DH001 | F020C4DH001 |
| F020C1DH006 | F020C2DH006 | F020C3DH006 | F020C4DH006 |
| F020C1DH012 | F020C2DH012 | F020C3DH012 | F020C4DH012 |
| F020C1DH018 | F020C2DH018 | F020C3DH018 | F020C4DH018 |
| F020C1DH030 | F020C2DH030 | F020C3DH030 | F020C4DH030 |
| F020C1DH033 | F020C2DH033 | F020C3DH033 | F020C4DH033 |

[1]**Standard** - Wiring diagram n.1 page 644 / Esquema eléctrico n.º 1, pág. 644

| 2200K | 2700K | 3000K | 4000K |
|---|---|---|---|
| F020A1HH001 | F020A2HH001 | F020A3HH001 | F020A4HH001 |
| F020A1HH006 | F020A2HH006 | F020A3HH006 | F020A4HH006 |
| F020A1HH012 | F020A2HH012 | F020A3HH012 | F020A4HH012 |
| F020A1HH018 | F020A2HH018 | F020A3HH018 | F020A4HH018 |
| F020A1HH030 | F020A2HH030 | F020A3HH030 | F020A4HH030 |
| F020A1HH033 | F020A2HH033 | F020A3HH033 | F020A4HH033 |




Beam Angle: 38°

| h(m) | E(lx) | D(m) |
|---|---|---|
| 1 | 8327 | 0.30 |
| 2 | 2082 | 0.60 |
| 3 | 925 | 0.90 |
| 4 | 520 | 1.20 |
| 5 | 333 | 1.50 |

@4000K

[2]**Quick Install I $H_2O$ Stop Fast Connect** - Wiring diagram n.2 page 644 / Esquema eléctrico n.º 2, pág. 644

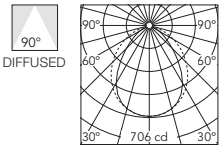
| 2200K | 2700K | 3000K | 4000K |
|---|---|---|---|
| F020B1HH001 | F020B2HH001 | F020B3HH001 | F020B4HH001 |
| F020B1HH006 | F020B2HH006 | F020B3HH006 | F020B4HH006 |
| F020B1HH012 | F020B2HH012 | F020B3HH012 | F020B4HH012 |
| F020B1HH018 | F020B2HH018 | F020B3HH018 | F020B4HH018 |
| F020B1HH030 | F020B2HH030 | F020B3HH030 | F020B4HH030 |
| F020B1HH033 | F020B2HH033 | F020B3HH033 | F020B4HH033 |

[3]**Continuous Line I/O $H_2O$ Stop Fast Connect** - Wiring diagram n.3 page 644 / Esquema eléctrico n.º 3, pág. 644

| 2200K | 2700K | 3000K | 4000K |
|---|---|---|---|
| F020C1HH001 | F020C2HH001 | F020C3HH001 | F020C4HH001 |
| F020C1HH006 | F020C2HH006 | F020C3HH006 | F020C4HH006 |
| F020C1HH012 | F020C2HH012 | F020C3HH012 | F020C4HH012 |
| F020C1HH018 | F020C2HH018 | F020C3HH018 | F020C4HH018 |
| F020C1HH030 | F020C2HH030 | F020C3HH030 | F020C4HH030 |
| F020C1HH033 | F020C2HH033 | F020C3HH033 | F020C4HH033 |

[1]**Standard** - Wiring diagram n.1 page 644 / Esquema eléctrico n.º 1, pág. 644

| 2200K | 2700K | 3000K | 4000K |
|---|---|---|---|
| F020A1MH001 | F020A2MH001 | F020A3MH001 | F020A4MH001 |
| F020A1MH006 | F020A2MH006 | F020A3MH006 | F020A4MH006 |
| F020A1MH012 | F020A2MH012 | F020A3MH012 | F020A4MH012 |
| F020A1MH018 | F020A2MH018 | F020A3MH018 | F020A4MH018 |
| F020A1MH030 | F020A2MH030 | F020A3MH030 | F020A4MH030 |
| F020A1MH033 | F020A2MH033 | F020A3MH033 | F020A4MH033 |




Beam Angle: 90°

| h(m) | E(lx) | D(m) |
|---|---|---|
| 1 | 706 | 1.67 |
| 2 | 177 | 3.34 |
| 3 | 78 | 5.00 |
| 4 | 44 | 6.67 |
| 5 | 28 | 8.34 |

@4000K

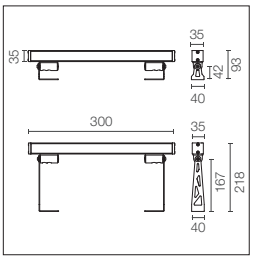
[2]**Quick Install I $H_2O$ Stop Fast Connect** - Wiring diagram n.2 page 644 / Esquema eléctrico n.º 2, pág. 644

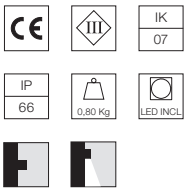
| 2200K | 2700K | 3000K | 4000K |
|---|---|---|---|
| F020B1MH001 | F020B2MH001 | F020B3MH001 | F020B4MH001 |
| F020B1MH006 | F020B2MH006 | F020B3MH006 | F020B4MH006 |
| F020B1MH012 | F020B2MH012 | F020B3MH012 | F020B4MH012 |
| F020B1MH018 | F020B2MH018 | F020B3MH018 | F020B4MH018 |
| F020B1MH030 | F020B2MH030 | F020B3MH030 | F020B4MH030 |
| F020B1MH033 | F020B2MH033 | F020B3MH033 | F020B4MH033 |

[3]**Continuous Line I/O $H_2O$ Stop Fast Connect** - Wiring diagram n.3 page 644 / Esquema eléctrico n.º 3, pág. 644

| 2200K | 2700K | 3000K | 4000K |
|---|---|---|---|
| F020C1MH001 | F020C2MH001 | F020C3MH001 | F020C4MH001 |
| F020C1MH006 | F020C2MH006 | F020C3MH006 | F020C4MH006 |
| F020C1MH012 | F020C2MH012 | F020C3MH012 | F020C4MH012 |
| F020C1MH018 | F020C2MH018 | F020C3MH018 | F020C4MH018 |
| F020C1MH030 | F020C2MH030 | F020C3MH030 | F020C4MH030 |
| F020C1MH033 | F020C2MH033 | F020C3MH033 | F020C4MH033 |

## Outgraze 35 Easy L 300



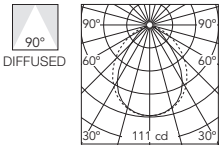

24V remote power supply and installation brackets to be ordered separately. Dimmable PWM luminaires. Sandblasted glass.

Alimentación remota 24V y soportes de instalación que se compran por separado. Dispositivos con regulación de la intensidad PWM. Vidrio arenado.

**Mid-power Led:** 4,5W - 454 lm ≠ FIXT 190 lm - 2700K/CRI 80 - 24V / 4,5W - 494 lm ≠ FIXT 207 lm - 3000K/CRI 80 - 24V / 4,5W - 533 lm ≠ FIXT 223 lm - 4000K/CRI 80 - 24V

[1]**Standard** - Wiring diagram n.1 page 644 / Esquema eléctrico n.º 1, pág. 644

| 2700K | 3000K | 4000K |
|---|---|---|
| ○ F020G2JH001 | ○ F020G3JH001 | ○ F020G4JH001 |
| ● F020G2JH006 | ● F020G3JH006 | ● F020G4JH006 |
| ● F020G2JH012 | ● F020G3JH012 | ● F020G4JH012 |
| ● F020G2JH018 | ● F020G3JH018 | ● F020G4JH018 |
| ● F020G2JH030 | ● F020G3JH030 | ● F020G4JH030 |
| ● F020G2JH033 | ● F020G3JH033 | ● F020G4JH033 |




@4000K

| Beam Angle: | | 90° |
|---|---|---|
| h(m) | E(lx) | D(m) |
| 1 | 111 | 1.62 |
| 2 | 28 | 3.23 |
| 3 | 12 | 4.85 |
| 4 | 7 | 6.46 |
| 5 | 4 | 8.08 |

[2]**Quick Install I $H_2O$ Stop Fast Connect** - Wiring diagram n.2 page 644 / Esquema eléctrico n.º 2, pág. 644

| 2700K | 3000K | 4000K |
|---|---|---|
| ○ F020H2JH001 | ○ F020H3JH001 | ○ F020H4JH001 |
| ● F020H2JH006 | ● F020H3JH006 | ● F020H4JH006 |
| ● F020H2JH012 | ● F020H3JH012 | ● F020H4JH012 |
| ● F020H2JH018 | ● F020H3JH018 | ● F020H4JH018 |
| ● F020H2JH030 | ● F020H3JH030 | ● F020H4JH030 |
| ● F020H2JH033 | ● F020H3JH033 | ● F020H4JH033 |

## Outgraze 35 Easy L 300 - Tunable White 2700K÷5700K

**Mid-power Led:** 4,5W - 227÷286 lm ≠ FIXT 95÷120 lm - 2700K÷5700K/CRI 80 - 2CH x 24V

[1]**Tunable White Standard** - Wiring diagram n.4 page 645 / Esquema eléctrico n.º 4, pág. 645

**2700K÷5700K**

○ F020GTJH001
● F020GTJH006
● F020GTJH012
● F020GTJH018
● F020GTJH030
● F020GTJH033

[2]**Tunable White Quick Install I $H_2O$ Stop Fast Connect** - Wiring diagram n.5 page 645 / Esquema eléctrico n.º 5, pág. 645

**2700K÷5700K**

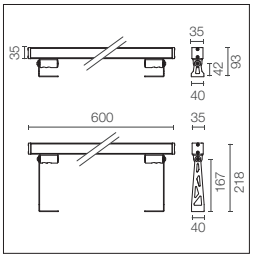
○ F020HTJH001
● F020HTJH006
● F020HTJH012
● F020HTJH018
● F020HTJH030
● F020HTJH033

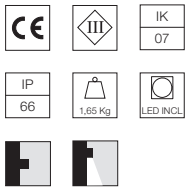
Photometric data on request.

[1]Standard Version: 1000 mm lenght prewired cable (connecting accessory to be separately ordered) / pieza de cable de salida 1000 mm (se deben comprar los accesorios para la conexión).

[2]Quick Install In $H_2O$ Stop Version: prewired $H_2O$ Stop Plug&Play connector for an easy/rapid connection (connecting accessory to be ordered separately) / conector $H_2O$ Stop Plug&Play preinstalado para la conexión rápida (se deben comprar los accesorios para la conexión).

## Outgraze 35 Easy L 600



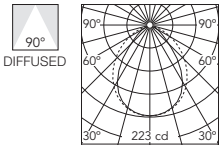

24V remote power supply and installation brackets to be ordered separately. Dimmable PWM luminaires. Sandblasted glass.

Alimentación remota 24V y soportes de instalación que se compran por separado. Dispositivos con regulación de la intensidad PWM. Vidrio arenado.

**Mid-power Led:** 9W - 909 lm ≠ FIXT 381 lm - 2700K/CRI 80 - 24V / 9W - 988 lm ≠ FIXT 414 lm - 3000K/CRI 80 - 24V / 9W - 1067 lm ≠ FIXT 447 lm - 4000K/CRI 80 - 24V

[1]**Standard** - Wiring diagram n.1 page 644 / Esquema eléctrico n.º 1, pág. 644

| 2700K | 3000K | 4000K |
|---|---|---|
| F020G2KH001 | F020G3KH001 | F020G4KH001 |
| F020G2KH006 | F020G3KH006 | F020G4KH006 |
| F020G2KH012 | F020G3KH012 | F020G4KH012 |
| F020G2KH018 | F020G3KH018 | F020G4KH018 |
| F020G2KH030 | F020G3KH030 | F020G4KH030 |
| F020G2KH033 | F020G3KH033 | F020G4KH033 |




@4000K

| Beam Angle: | | 90° |
|---|---|---|
| h(m) | E(lx) | D(m) |
| 1 | 223 | 1.62 |
| 2 | 56 | 3.23 |
| 3 | 25 | 4.85 |
| 4 | 14 | 6.46 |
| 5 | 9 | 8.08 |

[2]**Quick Install I $H_2O$ Stop Fast Connect** - Wiring diagram n.2 page 644 / Esquema eléctrico n.º 2, pág. 644

| 2700K | 3000K | 4000K |
|---|---|---|
| F020H2KH001 | F020H3KH001 | F020H4KH001 |
| F020H2KH006 | F020H3KH006 | F020H4KH006 |
| F020H2KH012 | F020H3KH012 | F020H4KH012 |
| F020H2KH018 | F020H3KH018 | F020H4KH018 |
| F020H2KH030 | F020H3KH030 | F020H4KH030 |
| F020H2KH033 | F020H3KH033 | F020H4KH033 |

[3]**Continuous Line I/O $H_2O$ Stop Fast Connect** - Wiring diagram n.3 page 644 / Esquema eléctrico n.º 3, pág. 644

| 2700K | 3000K | 4000K |
|---|---|---|
| F020J2KH001 | F020J3KH001 | F020J4KH001 |
| F020J2KH006 | F020J3KH006 | F020J4KH006 |
| F020J2KH012 | F020J3KH012 | F020J4KH012 |
| F020J2KH018 | F020J3KH018 | F020J4KH018 |
| F020J2KH030 | F020J3KH030 | F020J4KH030 |
| F020J2KH033 | F020J3KH033 | F020J4KH033 |

## Outgraze 35 Easy L 600 - Tunable White 2700K÷5700K

**Mid-power Led:** 9W - 454÷573 lm ≠ FIXT 190÷240 lm - 2700K÷5700K/CRI 80 - 2CH x 24V

[1]**Tunable White Standard** - Wiring diagram n.4 page 645 / Esquema eléctrico n.º 4, pág. 645

**2700K÷5700K**

F020GTKH001
F020GTKH006
F020GTKH012
F020GTKH018
F020GTKH030
F020GTKH033

[2]**Tunable White Quick Install I $H_2O$ Stop Fast Connect** - Wiring diagram n.5 page 645 / Esquema eléctrico n.º 5, pág. 645

**2700K÷5700K**

F020HTKH001
F020HTKH006
F020HTKH012
F020HTKH018
F020HTKH030
F020HTKH033

[3]**Tunable White Continous Line I/O $H_2O$ Stop Fast Connect** - Wiring diagram n.6 page 645 / Esquema eléctrico n.º 6, pág. 645

**2700K÷5700K**

F020JTKH001
F020JTKH006
F020JTKH012
F020JTKH018
F020JTKH030
F020JTKH033

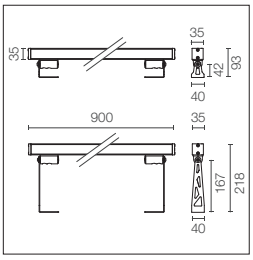
Photometric data on request.

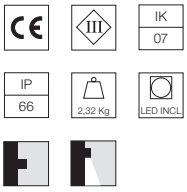
[1]Standard Version: 1000 mm lenght prewired cable (connecting accessory to be separately ordered) / pieza de cable de salida 1000 mm (se deben comprar los accesorios para la conexión).

[2]Quick Install In $H_2O$ Stop Version: prewired $H_2O$ Stop Plug&Play connector for an easy/rapid connection (connecting accessory to be ordered separately) / conector $H_2O$ Stop Plug&Play preinstalado para la conexión rápida (se deben comprar los accesorios para la conexión).

[3]Continous Line In/Out $H_2O$ Stop Version: prewired $H_2O$ Stop Plug&Play connectors for an easy in line connection (connecting accessory to be ordered separately) / conectores $H_2O$ Stop Plug&Play preinstalados para la conexión en línea (se deben comprar los accesorios para la conexión).

## Outgraze 35 Easy L 900



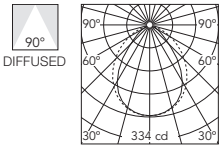

24V remote power supply and installation brackets to be ordered separately. Dimmable PWM luminaires. Sandblasted glass.

Alimentación remota 24V y soportes de instalación que se compran por separado. Dispositivos con regulación de la intensidad PWM. Vidrio arenado.

**Mid-power Led:** 13W - 1363 lm ≠ FIXT 571 lm - 2700K/CRI 80 - 24V / 13W - 1481 lm ≠ FIXT 621 lm - 3000K/CRI 80 - 24V / 13W - 1600 lm ≠ FIXT 670 lm - 4000K/CRI 80 - 24V

[1]**Standard** - Wiring diagram n.1 page 644 / Esquema eléctrico n.º 1, pág. 644

| 2700K | 3000K | 4000K |
|---|---|---|
| F020G2LH001 | F020G3LH001 | F020G4LH001 |
| F020G2LH006 | F020G3LH006 | F020G4LH006 |
| F020G2LH012 | F020G3LH012 | F020G4LH012 |
| F020G2LH018 | F020G3LH018 | F020G4LH018 |
| F020G2LH030 | F020G3LH030 | F020G4LH030 |
| F020G2LH033 | F020G3LH033 | F020G4LH033 |




@4000K

| Beam Angle: | | 90° |
|---|---|---|
| h(m) | E(lx) | D(m) |
| 1 | 334 | 1.62 |
| 2 | 83 | 3.23 |
| 3 | 37 | 4.85 |
| 4 | 21 | 6.46 |
| 5 | 13 | 8.08 |

[2]**Quick Install I $H_2O$ Stop Fast Connect** - Wiring diagram n.2 page 644 / Esquema eléctrico n.º 2, pág. 644

| 2700K | 3000K | 4000K |
|---|---|---|
| F020H2LH001 | F020H3LH001 | F020H4LH001 |
| F020H2LH006 | F020H3LH006 | F020H4LH006 |
| F020H2LH012 | F020H3LH012 | F020H4LH012 |
| F020H2LH018 | F020H3LH018 | F020H4LH018 |
| F020H2LH030 | F020H3LH030 | F020H4LH030 |
| F020H2LH033 | F020H3LH033 | F020H4LH033 |

[3]**Continuous Line I/O $H_2O$ Stop Fast Connect** - Wiring diagram n.3 page 644 / Esquema eléctrico n.º 3, pág. 644

| 2700K | 3000K | 4000K |
|---|---|---|
| F020J2LH001 | F020J3LH001 | F020J4LH001 |
| F020J2LH006 | F020J3LH006 | F020J4LH006 |
| F020J2LH012 | F020J3LH012 | F020J4LH012 |
| F020J2LH018 | F020J3LH018 | F020J4LH018 |
| F020J2LH030 | F020J3LH030 | F020J4LH030 |
| F020J2LH033 | F020J3LH033 | F020J4LH033 |

## Outgraze 35 Easy L 900 - Tunable White 2700K÷5700K

**Mid-power Led:** 13W - 681÷859 lm ≠ FIXT 285÷360 lm - 2700K÷5700K/CRI 80 - 2CH x 24V

[1]**Tunable White Standard** - Wiring diagram n.4 page 645 / Esquema eléctrico n.º 4, pág. 645

**2700K÷5700K**

F020GTLH001
F020GTLH006
F020GTLH012
F020GTLH018
F020GTLH030
F020GTLH033

[2]**Tunable White Quick Install I $H_2O$ Stop Fast Connect** - Wiring diagram n.5 page 645 / Esquema eléctrico n.º 5, pág. 645

**2700K÷5700K**

F020HTLH001
F020HTLH006
F020HTLH012
F020HTLH018
F020HTLH030
F020HTLH033

[3]**Tunable White Continous Line I/O $H_2O$ Stop Fast Connect** - Wiring diagram n.6 page 645 / Esquema eléctrico n.º 6, pág. 645

**2700K÷5700K**

F020JTLH001
F020JTLH006
F020JTLH012
F020JTLH018
F020JTLH030
F020JTLH033

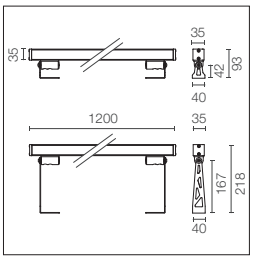
Photometric data on request.

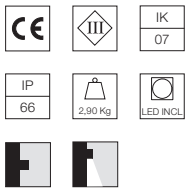
[1]Standard Version: 1000 mm lenght prewired cable (connecting accessory to be separately ordered) / pieza de cable de salida 1000 mm (se deben comprar los accesorios para la conexión).

[2]Quick Install In $H_2O$ Stop Version: prewired $H_2O$ Stop Plug&Play connector for an easy/rapid connection (connecting accessory to be ordered separately) / conector $H_2O$ Stop Plug&Play preinstalado para la conexión rápida (se deben comprar los accesorios para la conexión).

[3]Continous Line In/Out $H_2O$ Stop Version: prewired $H_2O$ Stop Plug&Play connectors for an easy in line connection (connecting accessory to be ordered separately) / conectores $H_2O$ Stop Plug&Play preinstalados para la conexión en línea (se deben comprar los accesorios para la conexión).

## Outgraze 35 Easy L 1200




24V remote power supply and installation brackets to be ordered separately. Dimmable PWM luminaires. Sandblasted glass.

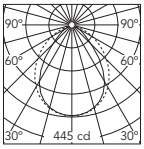
Alimentación remota 24V y soportes de instalación que se compran por separado. Dispositivos con regulación de la intensidad PWM. Vidrio arenado.

**Mid-power Led:** 17,5W -1817 lm ≠ FIXT 761 lm - 2700K/CRI 80 - 24V / 17,5W - 1975 lm ≠ FIXT 827 lm - 3000K/CRI 80 - 24V / 17,5W - 2133 lm ≠ FIXT 894 lm - 4000K/CRI 80 - 24V

[1]**Standard** - Wiring diagram n.1 page 644 / Esquema eléctrico n.º 1, pág. 644

| 2700K | 3000K | 4000K |
|---|---|---|
| F020G2MH001 | F020G3MH001 | F020G4MH001 |
| F020G2MH006 | F020G3MH006 | F020G4MH006 |
| F020G2MH012 | F020G3MH012 | F020G4MH012 |
| F020G2MH018 | F020G3MH018 | F020G4MH018 |
| F020G2MH030 | F020G3MH030 | F020G4MH030 |
| F020G2MH033 | F020G3MH033 | F020G4MH033 |

DIFFUSED




@4000K

| Beam Angle: | | 90° |
|---|---|---|
| h(m) | E(lx) | D(m) |
| 1 | 445 | 1.62 |
| 2 | 111 | 3.23 |
| 3 | 49 | 4.85 |
| 4 | 28 | 6.46 |
| 5 | 18 | 8.08 |

[2]**Quick Install I $H_2O$ Stop Fast Connect** - Wiring diagram n.2 page 644 / Esquema eléctrico n.º 2, pág. 644

| 2700K | 3000K | 4000K |
|---|---|---|
| F020H2MH001 | F020H3MH001 | F020H4MH001 |
| F020H2MH006 | F020H3MH006 | F020H4MH006 |
| F020H2MH012 | F020H3MH012 | F020H4MH012 |
| F020H2MH018 | F020H3MH018 | F020H4MH018 |
| F020H2MH030 | F020H3MH030 | F020H4MH030 |
| F020H2MH033 | F020H3MH033 | F020H4MH033 |

[3]**Continuous Line I/O $H_2O$ Stop Fast Connect** - Wiring diagram n.3 page 644 / Esquema eléctrico n.º 3, pág. 644

| 2700K | 3000K | 4000K |
|---|---|---|
| F020J2MH001 | F020J3MH001 | F020J4MH001 |
| F020J2MH006 | F020J3MH006 | F020J4MH006 |
| F020J2MH012 | F020J3MH012 | F020J4MH012 |
| F020J2MH018 | F020J3MH018 | F020J4MH018 |
| F020J2MH030 | F020J3MH030 | F020J4MH030 |
| F020J2MH033 | F020J3MH033 | F020J4MH033 |

## Outgraze 35 Easy L 1200 - Tunable White 2700K÷5700K

**Mid-power Led:** 17,5W - 909÷1146 lm ≠ FIXT 381÷480 lm - 2700K÷5700K/CRI 80 - 2CH x 24V

[1]**Tunable White Standard** - Wiring diagram n.4 page 645 / Esquema eléctrico n.º 4, pág. 645

**2700K÷5700K**
- F020GTMH001
- F020GTMH006
- F020GTMH012
- F020GTMH018
- F020GTMH030
- F020GTMH033

DIFFUSED

[2]**Tunable White Quick Install I $H_2O$ Stop Fast Connect** - Wiring diagram n.5 page 645 / Esquema eléctrico n.º 5, pág. 645

**2700K÷5700K**
- F020HTMH001
- F020HTMH006
- F020HTMH012
- F020HTMH018
- F020HTMH030
- F020HTMH033

[3]**Tunable White Continous Line I/O $H_2O$ Stop Fast Connect** - Wiring diagram n.6 page 645 / Esquema eléctrico n.º 6, pág. 645

**2700K÷5700K**
- F020JTMH001
- F020JTMH006
- F020JTMH012
- F020JTMH018
- F020JTMH030
- F020JTMH033

Photometric data on request.

[1]Standard Version: 1000 mm lenght prewired cable (connecting accessory to be separately ordered) / pieza de cable de salida 1000 mm (se deben comprar los accesorios para la conexión).

[2]Quick Install In $H_2O$ Stop Version: prewired $H_2O$ Stop Plug&Play connector for an easy/rapid connection (connecting accessory to be ordered separately) / conector $H_2O$ Stop Plug&Play preinstalado para la conexión rápida (se deben comprar los accesorios para la conexión).

[3]Continous Line In/Out $H_2O$ Stop Version: prewired $H_2O$ Stop Plug&Play connectors for an easy in line connection (connecting accessory to be ordered separately) / conectores $H_2O$ Stop Plug&Play preinstalados para la conexión en línea (se deben comprar los accesorios para la conexión).

## Outgraze 35

### Accessories for all versions / Accesorios para todas las versiones

| | | | |
|---|---|---|---|
| One pair of short brackets L 80 mm. | Par de soportes cortos L 80 mm. | ○ F1203001<br>● F1203006<br>● F1203012<br>● F1203018<br>● F1203030<br>● F1203033 | |
| One pair of long brackets L 200 mm. | Par de soportes largos L 200mm. | ○ F1204001<br>● F1204006<br>● F1204012<br>● F1204018<br>● F1204030<br>● F1204033 | |
| 2 way terminal block 4 poles IP68 $H_2O$ Stop. (ø5,5÷12mm cable). | Bloque de terminales IP68 $H_2O$ Stop anticondensación con 2 vías y 4 polos. (Cable ø5,5÷12 mm). | F990C00A000 | |
| 3/4 way terminal block 4 poles IP68 $H_2O$ Stop. (ø5,5÷12mm cable). | Bloque de terminales IP68 $H_2O$ Stop anticondensación con 3/4 vías y 4 polos. (Cable ø5,5÷12 mm). | F990C010000 | |

## Outgraze 35

### Accessories for Quick Install I $H_2O$ Stop and Continuous Line I/O $H_2O$ Stop versions / Accesorios para las versiones Quick Install I $H_2O$ Stop y Continuous Line I/O $H_2O$ Stop

| | | | |
|---|---|---|---|
| Plug&play connector 4 poles. | Conector de 4 polos plug&play. | F021Z010000 | |
| Double plug&play connector 4 poles + cable 600 mm lenght. | Conector doble de 4 polos plug&play + cable L 600 mm. | F021Z090000 | |
| Plug&play connector 4 poles + cable 5000 mm lenght. | Conector de 4 polos plug&play + cable L 5000 mm. | F021Z100000 | |
| Cap for panel (on the fixtures) plug connector 4-5 poles. | Tapa para conector de panel (en el producto) de 4-5 polos. | F021Z070000 | |

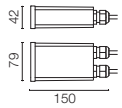
## Outgraze 35

### PWM interface (Dimming) for 48V version / Interfaz PWM (Regulabilidad) para la versión de 48V Power supply 48V/240V for interface not included, to be ordered / Alimentador para interfaz de 48V/240V no incluido, se debe comprar (cod.RF25753 or cod.RF25746)

| | | | |
|---|---|---|---|
| Control linterface 48V PWM - Dali IP20 Class III. Vin 48Vdc 120W. (Power supply not included). | Interfaz de control 48V PWM - Dali IP20 Class III. Vin 48Vdc 120W. (Alimentador no incluido). | F990B08A000 | |
| Control linterface 48V PWM - 1-10V IP20 Class III. Vin 48Vdc 120W. (Power supply not included). | Interfaz de control 48V PWM - 1-10V IP20 Class III. Vin 48Vdc 120W. (Alimentador no incluido). | F990B15A000 | |

## Outgraze 35

### Power supply for 48V version / Alimentador para la versión de 48V

| | | | |
|---|---|---|---|
| Power supply 48V 60W / 110-240V IP67 Class II selv eq. | Transformador 48V 60W / 110-240V IP67 Clase II selv eq. | RF25753 |   |
| Power supply 48V 240W / 110-240V single output DIN RAIL. | Transformador 48V 240W / 110-240V single output DIN RAIL. | RF25746 | |

* Maximum number of luminaires per power supply / Número máximo de luminarias por fuente de alimentación.

Maximum number of luminaires per power supply. (220÷240 V). These data must be checked taking into account the specific installation conditions.

Número máximo de luminarias por fuente de alimentación (220÷240 V). Estos datos deben ser comprobados teniendo en cuenta las condiciones específicas de instalación.

| | L 300 | L 600 | L 900 | L 1200 |
|---|---|---|---|---|
| Acc. RF25753 | 8 | 4 | 2 | 2 |
| Acc. RF25746 | 32 | 16 | 10 | 8 |

## Outgraze 35

### PWM interface (Dimming) for 24V version / Interfaz PWM (Regulabilidad) para la versión de 24V Power supply 24V/240V for interface not included, to be ordered / Alimentador para interfaz de 24V/240V no incluido, se debe comprar (cod.F990B28A000, cod.F990B27A000 or cod.F990B29A000)

| | | | |
|---|---|---|---|
| Control linterface 24V PWM - Dali IP20 Class III. Vin 24Vdc 120W. (Power supply not included). | Interfaz de control 24V PWM - Dali IP20 Class III. Vin 24Vdc 120W. (Alimentador no incluido). | F990B07A000 | |
| Control linterface 24V PWM - 1-10V IP20 Class III. Vin 24Vdc 120W. (Power supply not included). | Interfaz de control 24V PWM - 1-10V IP20 Class III. Vin 24Vdc 120W. (Alimentador no incluido). | F990B14A000 | |

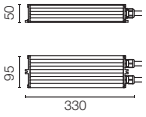
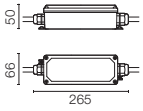
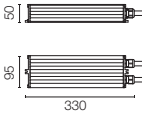
## Outgraze 35

### PWM interface for 24V Tunable White version / Interfaz PWM para la versión de 24V Tunable White Power supply 24V/240V for interface not included, to be ordered / Alimentador para interfaz de 24V/240V no incluido, se debe comprar (cod.F990B28A000, cod.F990B27A000 or cod.F990B29A000)

| | | | |
|---|---|---|---|
| Control linterface 24V PWM 2CH - Dali IP20 Class III. Vin 24Vdc 90W. (Power supply not included). | Interfaz de control 24V PWM 2CH - Dali IP20 Class III. Vin 24Vdc 90W. (Alimentador no incluido). | F990B09A000 | |

## Outgraze 35

### Power supply for 24V version / Alimentador para la versión de 24V

| | | | |
|---|---|---|---|
| Power supply for remote installation 24V DC 50W / 120-240V IP67 Class II selv. | Transformador para instalación remota 24V DC 50W / 120-240V IP67 Clase II selv. | *F990B28A000 |   |
| Power supply for remote installation 24V DC 70W / 220-240V IP67 Class II selv. | Transformador para instalación remota 24V DC 70W / 220-240V IP67 Clase II selv. | *F990B27A000 |   |
| Power supply for remote installation 24V DC 96W / 120-240V IP67 Class II selv. | Transformador para instalación remota 24V DC 96W / 120-240V IP67 Clase II selv. | *F990B29A000 |   |

* Maximum number of luminaires per power supply / Número máximo de luminarias por fuente de alimentación.

Maximum number of luminaires per power supply. (220÷240 V). These data must be checked taking into account the specific installation conditions.

Número máximo de luminarias por fuente de alimentación (220÷240 V). Estos datos deben ser comprobados teniendo en cuenta las condiciones específicas de instalación.

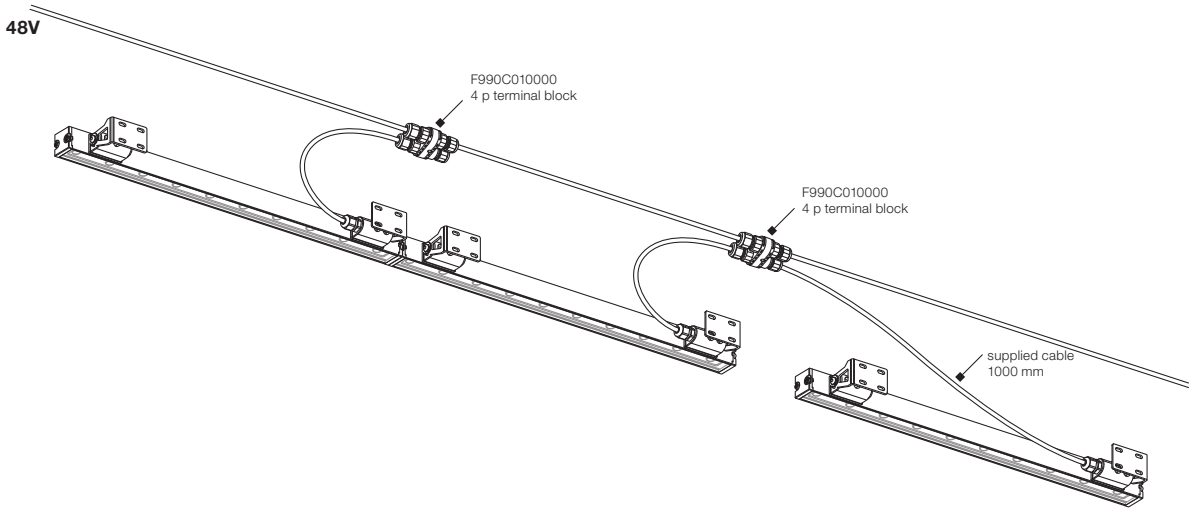
| | L 300 | L 600 | L 900 | L 1200 |
|---|---|---|---|---|
| Acc. F990B28A000 | 6 | 3 | 2 | 2 |
| Acc. F990B27A000 | 8 | 5 | 3 | 3 |
| Acc. F990B29A000 | 12 | 6 | 4 | 3 |

## Outgraze 35

## 48V versions

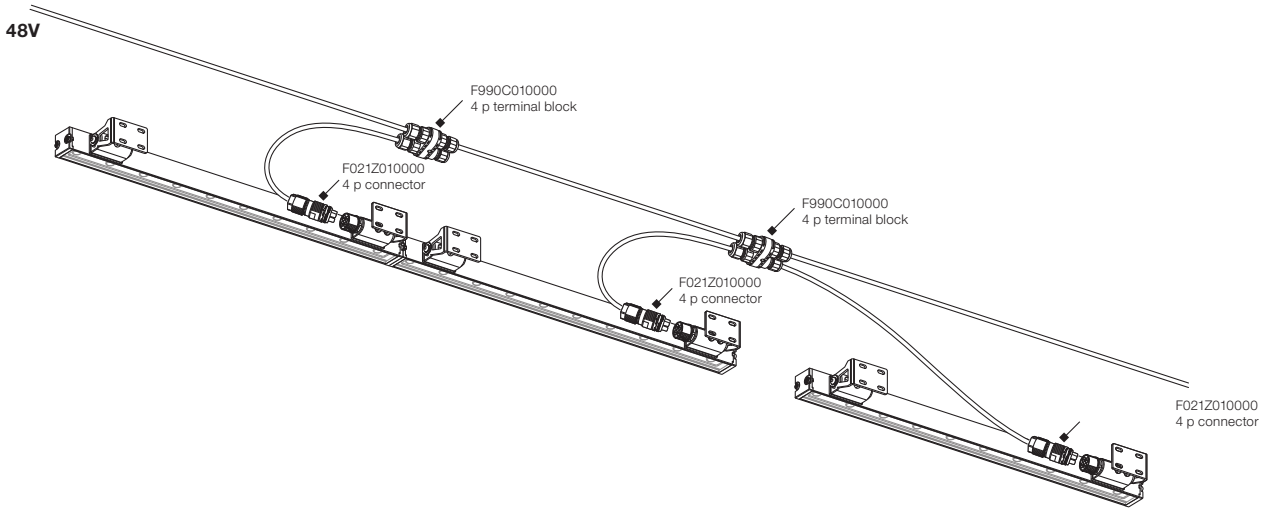
**Wiring diagram n.1 / Esquema eléctrico n.º1**

**Standard:** 1000 mm lenght prewired cable (connecting accessory to be separately ordered) / pieza de cable de salida 1000 mm (se deben comprar los accesorios para la conexión)



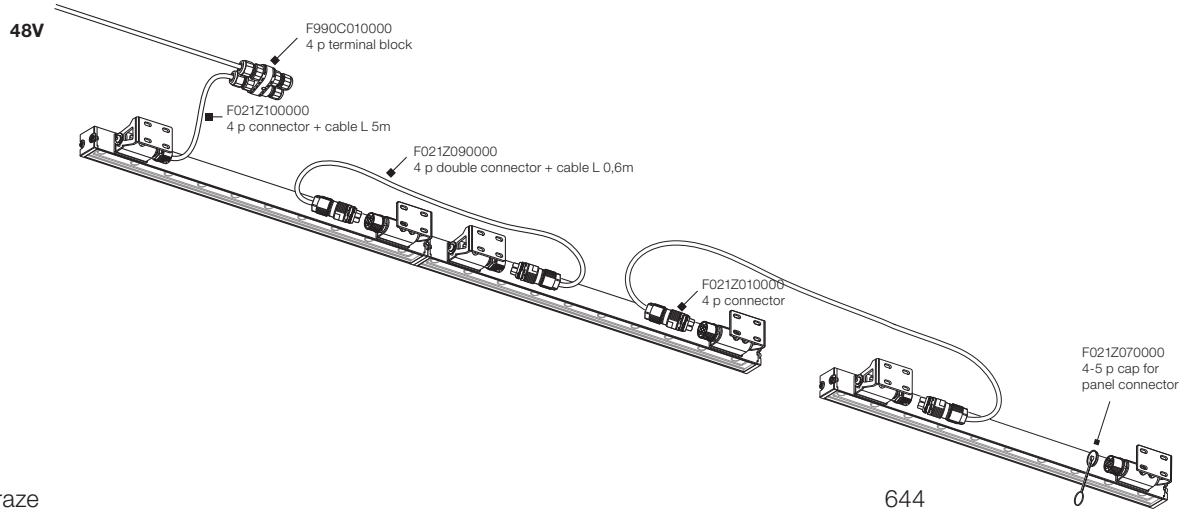

**Wiring diagram n.2 / Esquema eléctrico n.º2**

**Quick Install I $H_2O$ Stop Fast Connect:** prewired $H_2O$ Stop Plug&Play connector for an easy/rapid connection (connecting accessory to be ordered separately) / conector $H_2O$ Stop Plug&Play preinstalado para la conexión rápida (se deben comprar los accesorios para la conexión)



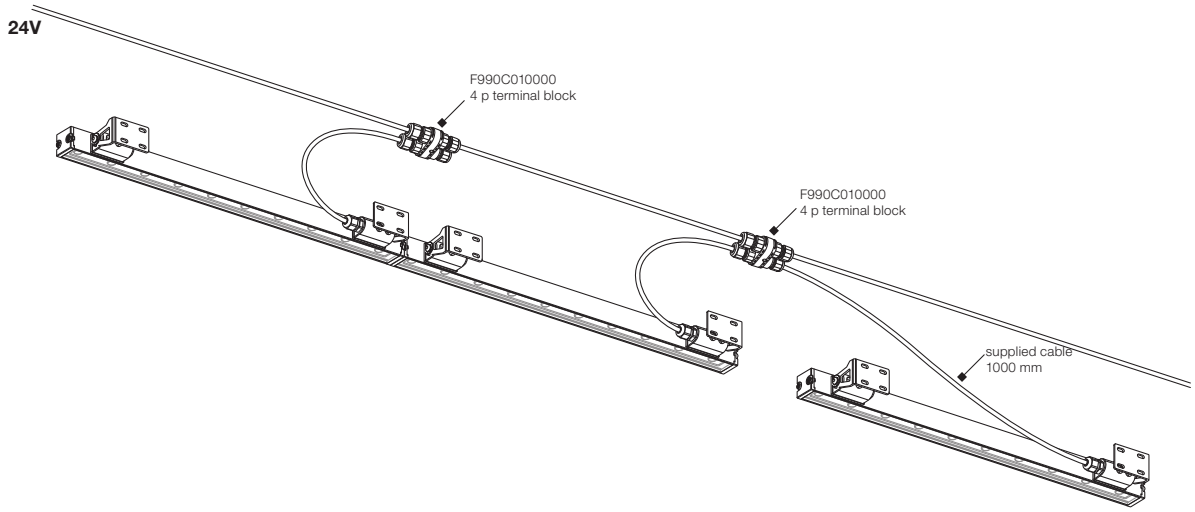

**Wiring diagram n.3 / Esquema eléctrico n.º3**

**Continous Line I/O $H_2O$ Stop Fast Connect:** prewired $H_2O$ Stop Plug&Play connectors for an easy in line connection (connecting accessory to be ordered separately) / conectores $H_2O$ Stop Plug&Play preinstalados para la conexión en línea (se deben comprar los accesorios para la conexión)



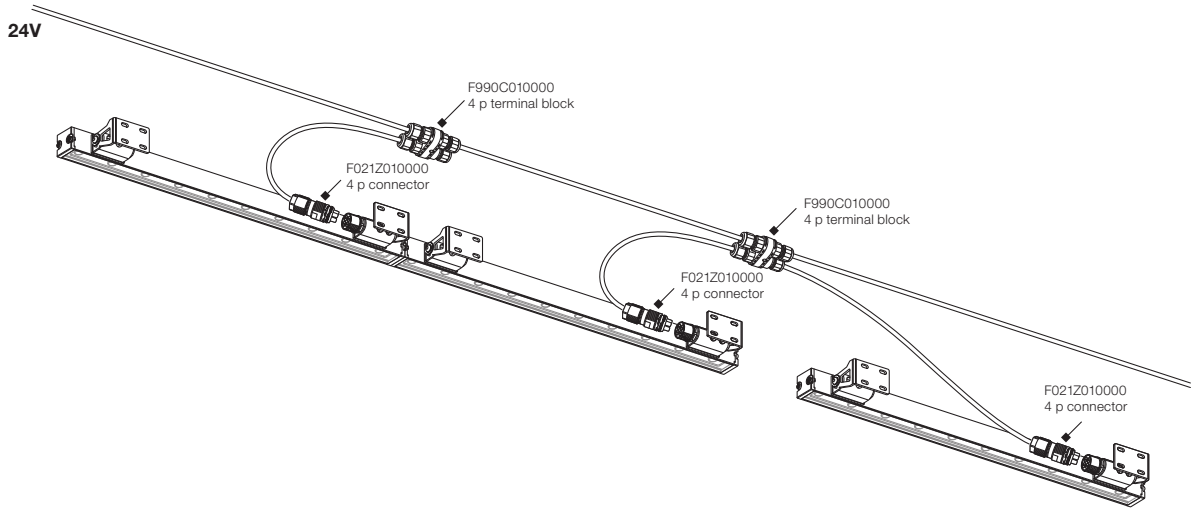
**Wiring diagram n.4 / Esquema eléctrico n.º4**

**Standard:** 1000 mm lenght prewired cable (connecting accessory to be separately ordered) / pieza de cable de salida 1000 mm (se deben comprar los accesorios para la conexión)



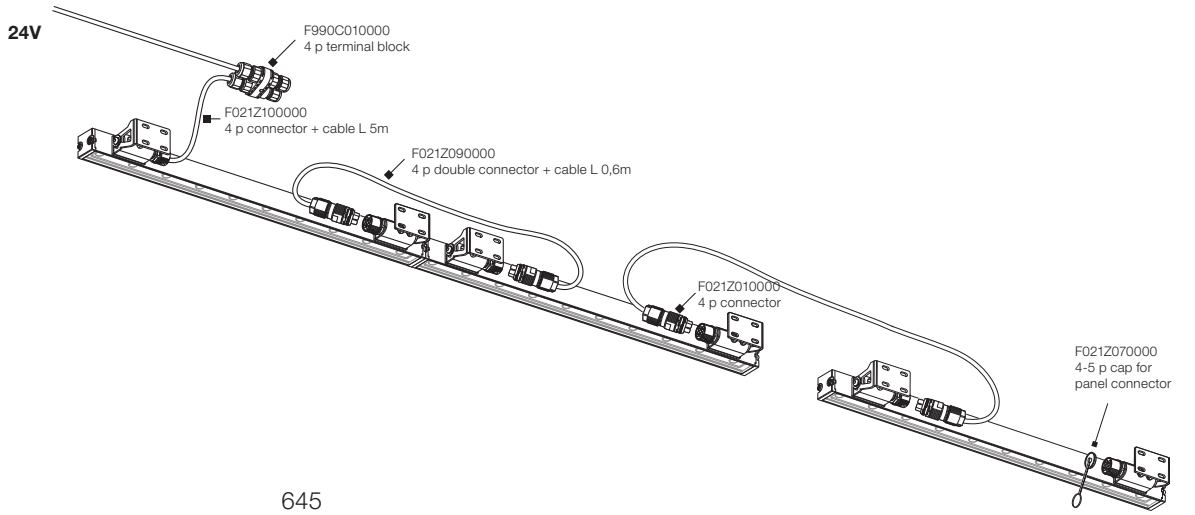

**Wiring diagram n.5 / Esquema eléctrico n.º5**

**Quick Install I $H_2O$ Stop Fast Connect:** prewired $H_2O$ Stop Plug&Play connector for an easy/rapid connection (connecting accessory to be ordered separately) / conector $H_2O$ Stop Plug&Play preinstalado para la conexión rápida (se deben comprar los accesorios para la conexión)

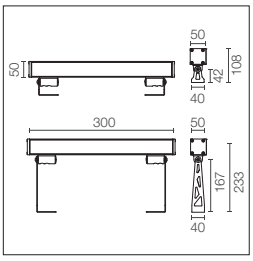


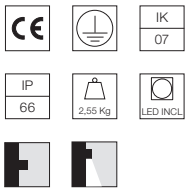

**Wiring diagram n.6 / Esquema eléctrico n.º6**

**Continous Line I/O $H_2O$ Stop Fast Connect:** prewired $H_2O$ Stop Plug&Play connectors for an easy in line connection (connecting accessory to be ordered separately) / conectores $H_2O$ Stop Plug&Play preinstalados para la conexión en línea (se deben comprar los accesorios para la conexión)



## Outgraze 50 L 300 - Non Dimmable



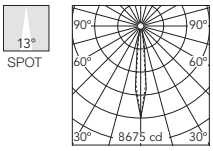

Integrated 220/240V power supply. Installation brackets, to be ordered separately. Extra clear transparent glass, excluding the DIFFUSE version with sandblasted glass.
SMART version available upon request (power 6W - flux -30% lm).

Fuente de alimentación de 220/240V integrada. Los soportes se deben pedir por separado. Vidrio transparente extra claro, excluida la versión DIFFUSED con vidrio arenado. Por encargo, la versión SMART (potencia 6W - flujo - 30% lm).

**Power Led:** 8W - 835 lm ≠ *FIXT 685 lm - 2700K/CRI 80 - 220-240V / 8W - 864 lm ≠ *FIXT 709 lm - 3000K/CRI 80 - 220-240V / 8W - 894 lm ≠ *FIXT 734 lm - 4000K/CRI 80 -220-240V
*FIXT lm = Medium Optic

[1]**Standard** - Wiring diagram n.7 page 669 / Esquema eléctrico n.º 7, pág. 669

| 2200K | 2700K | 3000K | 4000K |
|---|---|---|---|
| F021A11A001 | F021A21A001 | F021A31A001 | F021A41A001 |
| F021A11A006 | F021A21A006 | F021A31A006 | F021A41A006 |
| F021A11A012 | F021A21A012 | F021A31A012 | F021A41A012 |
| F021A11A018 | F021A21A018 | F021A31A018 | F021A41A018 |
| F021A11A030 | F021A21A030 | F021A31A030 | F021A41A030 |
| F021A11A033 | F021A21A033 | F021A31A033 | F021A41A033 |




Beam Angle: 13°

| h(m) | E(lx) | D(m) |
|---|---|---|
| 1 | 8675 | 0.25 |
| 2 | 2169 | 0.49 |
| 3 | 964 | 0.74 |
| 4 | 542 | 0.98 |
| 5 | 347 | 1.23 |

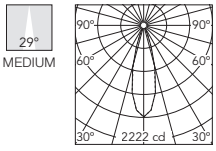
@4000K

[2]**Quick Install I $H_2O$ Stop Fast Connect** - Wiring diagram n.8 page 669 / Esquema eléctrico n.º 8, pág. 669

| 2200K | 2700K | 3000K | 4000K |
|---|---|---|---|
| F021B11A001 | F021B21A001 | F021B31A001 | F021B41A001 |
| F021B11A006 | F021B21A006 | F021B31A006 | F021B41A006 |
| F021B11A012 | F021B21A012 | F021B31A012 | F021B41A012 |
| F021B11A018 | F021B21A018 | F021B31A018 | F021B41A018 |
| F021B11A030 | F021B21A030 | F021B31A030 | F021B41A030 |
| F021B11A033 | F021B21A033 | F021B31A033 | F021B41A033 |

[1]**Standard** - Wiring diagram n.7 page 669 / Esquema eléctrico n.º 7, pág. 669

| 2200K | 2700K | 3000K | 4000K |
|---|---|---|---|
| F021A15A001 | F021A25A001 | F021A35A001 | F021A45A001 |
| F021A15A006 | F021A25A006 | F021A35A006 | F021A45A006 |
| F021A15A012 | F021A25A012 | F021A35A012 | F021A45A012 |
| F021A15A018 | F021A25A018 | F021A35A018 | F021A45A018 |
| F021A15A030 | F021A25A030 | F021A35A030 | F021A45A030 |
| F021A15A033 | F021A25A033 | F021A35A033 | F021A45A033 |




Beam Angle: 29°

| h(m) | E(lx) | D(m) |
|---|---|---|
| 1 | 2222 | 0.52 |
| 2 | 555 | 1.04 |
| 3 | 247 | 1.56 |
| 4 | 139 | 2.08 |
| 5 | 89 | 2.60 |

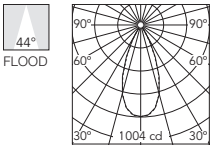
@4000K

[2]**Quick Install I $H_2O$ Stop Fast Connect** - Wiring diagram n.8 page 669 / Esquema eléctrico n.º 8, pág. 669

| 2200K | 2700K | 3000K | 4000K |
|---|---|---|---|
| F021B15A001 | F021B25A001 | F021B35A001 | F021B45A001 |
| F021B15A006 | F021B25A006 | F021B35A006 | F021B45A006 |
| F021B15A012 | F021B25A012 | F021B35A012 | F021B45A012 |
| F021B15A018 | F021B25A018 | F021B35A018 | F021B45A018 |
| F021B15A030 | F021B25A030 | F021B35A030 | F021B45A030 |
| F021B15A033 | F021B25A033 | F021B35A033 | F021B45A033 |

[1]**Standard** - Wiring diagram n.7 page 669 / Esquema eléctrico n.º 7, pág. 669

| 2200K | 2700K | 3000K | 4000K |
|---|---|---|---|
| F021A1AA001 | F021A2AA001 | F021A3AA001 | F021A4AA001 |
| F021A1AA006 | F021A2AA006 | F021A3AA006 | F021A4AA006 |
| F021A1AA012 | F021A2AA012 | F021A3AA012 | F021A4AA012 |
| F021A1AA018 | F021A2AA018 | F021A3AA018 | F021A4AA018 |
| F021A1AA030 | F021A2AA030 | F021A3AA030 | F021A4AA030 |
| F021A1AA033 | F021A2AA033 | F021A3AA033 | F021A4AA033 |




Beam Angle: 44°

| h(m) | E(lx) | D(m) |
|---|---|---|
| 1 | 1004 | 0.81 |
| 2 | 251 | 1.63 |
| 3 | 112 | 2.44 |
| 4 | 63 | 3.26 |
| 5 | 40 | 4.07 |

@4000K

[2]**Quick Install I $H_2O$ Stop Fast Connect** - Wiring diagram n.8 page 669 / Esquema eléctrico n.º 8, pág. 669

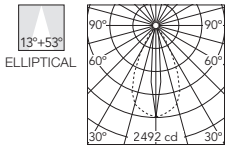
| 2200K | 2700K | 3000K | 4000K |
|---|---|---|---|
| F021B1AA001 | F021B2AA001 | F021B3AA001 | F021B4AA001 |
| F021B1AA006 | F021B2AA006 | F021B3AA006 | F021B4AA006 |
| F021B1AA012 | F021B2AA012 | F021B3AA012 | F021B4AA012 |
| F021B1AA018 | F021B2AA018 | F021B3AA018 | F021B4AA018 |
| F021B1AA030 | F021B2AA030 | F021B3AA030 | F021B4AA030 |
| F021B1AA033 | F021B2AA033 | F021B3AA033 | F021B4AA033 |

[1]Standard Version: 1000 mm lenght prewired cable (connecting accessory to be separately ordered) / pieza de cable de salida 1000 mm (se deben comprar los accesorios para la conexión).

[2]Quick Install In $H_2O$ Stop Version: prewired $H_2O$ Stop Plug&Play connector for an easy/rapid connection (connecting accessory to be ordered separately) / conector $H_2O$ Stop Plug&Play preinstalado para la conexión rápida (se deben comprar los accesorios para la conexión).

[1]**Standard** - Wiring diagram n.7 page 669 / Esquema eléctrico n.º 7, pág. 669

| 2200K | 2700K | 3000K | 4000K |
|---|---|---|---|
| ○ F021A1EA001 | ○ F021A2EA001 | ○ F021A3EA001 | ○ F021A4EA001 |
| ● F021A1EA006 | ● F021A2EA006 | ● F021A3EA006 | ● F021A4EA006 |
| ● F021A1EA012 | ● F021A2EA012 | ● F021A3EA012 | ● F021A4EA012 |
| ● F021A1EA018 | ● F021A2EA018 | ● F021A3EA018 | ● F021A4EA018 |
| ● F021A1EA030 | ● F021A2EA030 | ● F021A3EA030 | ● F021A4EA030 |
| ● F021A1EA033 | ● F021A2EA033 | ● F021A3EA033 | ● F021A4EA033 |




Beam Angle: 53°

| h(m) | E(lx) | D(m) |
|---|---|---|
| 1 | 2492 | 0.22 |
| 2 | 623 | 0.44 |
| 3 | 277 | 0.66 |
| 4 | 156 | 0.88 |
| 5 | 100 | 1.10 |

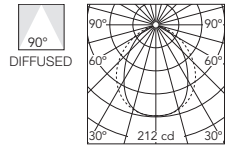
@4000K

[2]**Quick Install I $H_2O$ Stop Fast Connect** - Wiring diagram n.8 page 669 / Esquema eléctrico n.º 8, pág. 669

| 2200K | 2700K | 3000K | 4000K |
|---|---|---|---|
| ○ F021B1EA001 | ○ F021B2EA001 | ○ F021B3EA001 | ○ F021B4EA001 |
| ● F021B1EA006 | ● F021B2EA006 | ● F021B3EA006 | ● F021B4EA006 |
| ● F021B1EA012 | ● F021B2EA012 | ● F021B3EA012 | ● F021B4EA012 |
| ● F021B1EA018 | ● F021B2EA018 | ● F021B3EA018 | ● F021B4EA018 |
| ● F021B1EA030 | ● F021B2EA030 | ● F021B3EA030 | ● F021B4EA030 |
| ● F021B1EA033 | ● F021B2EA033 | ● F021B3EA033 | ● F021B4EA033 |

[1]**Standard** - Wiring diagram n.7 page 669 / Esquema eléctrico n.º 7, pág. 669

| 2200K | 2700K | 3000K | 4000K |
|---|---|---|---|
| ○ F021A1JA001 | ○ F021A2JA001 | ○ F021A3JA001 | ○ F021A4JA001 |
| ● F021A1JA006 | ● F021A2JA006 | ● F021A3JA006 | ● F021A4JA006 |
| ● F021A1JA012 | ● F021A2JA012 | ● F021A3JA012 | ● F021A4JA012 |
| ● F021A1JA018 | ● F021A2JA018 | ● F021A3JA018 | ● F021A4JA018 |
| ● F021A1JA030 | ● F021A2JA030 | ● F021A3JA030 | ● F021A4JA030 |
| ● F021A1JA033 | ● F021A2JA033 | ● F021A3JA033 | ● F021A4JA033 |




Beam Angle: 90°

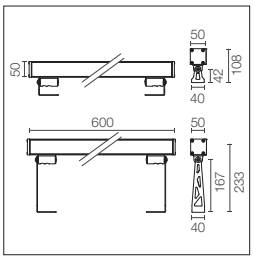
| h(m) | E(lx) | D(m) |
|---|---|---|
| 1 | 212 | 1.74 |
| 2 | 53 | 3.49 |
| 3 | 24 | 5.23 |
| 4 | 13 | 6.98 |
| 5 | 8 | 8.72 |

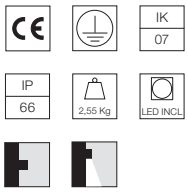
@4000K

[2]**Quick Install I $H_2O$ Stop Fast Connect** - Wiring diagram n.8 page 669 / Esquema eléctrico n.º 8, pág. 669

| 2200K | 2700K | 3000K | 4000K |
|---|---|---|---|
| ○ F021B1JA001 | ○ F021B2JA001 | ○ F021B3JA001 | ○ F021B4JA001 |
| ● F021B1JA006 | ● F021B2JA006 | ● F021B3JA006 | ● F021B4JA006 |
| ● F021B1JA012 | ● F021B2JA012 | ● F021B3JA012 | ● F021B4JA012 |
| ● F021B1JA018 | ● F021B2JA018 | ● F021B3JA018 | ● F021B4JA018 |
| ● F021B1JA030 | ● F021B2JA030 | ● F021B3JA030 | ● F021B4JA030 |
| ● F021B1JA033 | ● F021B2JA033 | ● F021B3JA033 | ● F021B4JA033 |

## Outgraze 50 L 600 - Non Dimmable



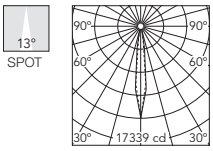

Integrated 220/240V power supply. Installation brackets, to be ordered separately. Extra clear transparent glass, excluding the DIFFUSE version with sandblasted glass. SMART version available upon request (power 10,5W - flux -30% lm).

Fuente de alimentación de 220/240V integrada. Los soportes se deben pedir por separado. Vidrio transparente extra claro, excluida la versión DIFFUSED con vidrio arenado. Por encargo, la versión SMART (potencia 10,5W - flujo - 30% lm).

**Power Led:** 14,5W - 1669 lm ≠ *FIXT 1369 lm - 2700K/CRI 80 - 220-240V /14,5W - 1729 lm ≠ *FIXT 1418 lm - 3000K/CRI 80 - 220-240V / 14,5W - 1788 lm ≠ *FIXT 1467 lm - 4000K/CRI 80 -220-240V
*FIXT lm = Medium Optic

[1]**Standard** - Wiring diagram n.7 page 669 / Esquema eléctrico n.º 7, pág. 669

| 2200K | 2700K | 3000K | 4000K |
|---|---|---|---|
| F021A12A001 | F021A22A001 | F021A32A001 | F021A42A001 |
| F021A12A006 | F021A22A006 | F021A32A006 | F021A42A006 |
| F021A12A012 | F021A22A012 | F021A32A012 | F021A42A012 |
| F021A12A018 | F021A22A018 | F021A32A018 | F021A42A018 |
| F021A12A030 | F021A22A030 | F021A32A030 | F021A42A030 |
| F021A12A033 | F021A22A033 | F021A32A033 | F021A42A033 |




| Beam Angle: | | 13° |
|---|---|---|
| h(m) | E(lx) | D(m) |
| 1 | 17339 | 0.25 |
| 2 | 4335 | 0.49 |
| 3 | 1927 | 0.74 |
| 4 | 1084 | 0.98 |
| 5 | 694 | 1.23 |

@4000K

[2]**Quick Install I $H_2O$ Stop Fast Connect** - Wiring diagram n.8 page 669 / Esquema eléctrico n.º 8, pág. 669

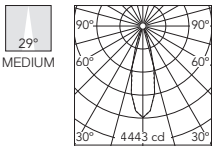
| 2200K | 2700K | 3000K | 4000K |
|---|---|---|---|
| F021B12A001 | F021B22A001 | F021B32A001 | F021B42A001 |
| F021B12A006 | F021B22A006 | F021B32A006 | F021B42A006 |
| F021B12A012 | F021B22A012 | F021B32A012 | F021B42A012 |
| F021B12A018 | F021B22A018 | F021B32A018 | F021B42A018 |
| F021B12A030 | F021B22A030 | F021B32A030 | F021B42A030 |
| F021B12A033 | F021B22A033 | F021B32A033 | F021B42A033 |

[3]**Continuous Line I/O $H_2O$ Stop Fast Connect** - Wiring diagram n.9 page 669 / Esquema eléctrico n.º 9, pág. 669

| 2200K | 2700K | 3000K | 4000K |
|---|---|---|---|
| F021C12A001 | F021C22A001 | F021C32A001 | F021C42A001 |
| F021C12A006 | F021C22A006 | F021C32A006 | F021C42A006 |
| F021C12A012 | F021C22A012 | F021C32A012 | F021C42A012 |
| F021C12A018 | F021C22A018 | F021C32A018 | F021C42A018 |
| F021C12A030 | F021C22A030 | F021C32A030 | F021C42A030 |
| F021C12A033 | F021C22A033 | F021C32A033 | F021C42A033 |

[1]**Standard** - Wiring diagram n.7 page 669 / Esquema eléctrico n.º 7, pág. 669

| 2200K | 2700K | 3000K | 4000K |
|---|---|---|---|
| F021A16A001 | F021A26A001 | F021A36A001 | F021A46A001 |
| F021A16A006 | F021A26A006 | F021A36A006 | F021A46A006 |
| F021A16A012 | F021A26A012 | F021A36A012 | F021A46A012 |
| F021A16A018 | F021A26A018 | F021A36A018 | F021A46A018 |
| F021A16A030 | F021A26A030 | F021A36A030 | F021A46A030 |
| F021A16A033 | F021A26A033 | F021A36A033 | F021A46A033 |




| Beam Angle: | | 29° |
|---|---|---|
| h(m) | E(lx) | D(m) |
| 1 | 4443 | 0.52 |
| 2 | 1111 | 1.04 |
| 3 | 494 | 1.56 |
| 4 | 278 | 2.08 |
| 5 | 178 | 2.60 |

@4000K

[2]**Quick Install I $H_2O$ Stop Fast Connect** - Wiring diagram n.8 page 669 / Esquema eléctrico n.º 8, pág. 669

| 2200K | 2700K | 3000K | 4000K |
|---|---|---|---|
| F021B16A001 | F021B26A001 | F021B36A001 | F021B46A001 |
| F021B16A006 | F021B26A006 | F021B36A006 | F021B46A006 |
| F021B16A012 | F021B26A012 | F021B36A012 | F021B46A012 |
| F021B16A018 | F021B26A018 | F021B36A018 | F021B46A018 |
| F021B16A030 | F021B26A030 | F021B36A030 | F021B46A030 |
| F021B16A033 | F021B26A033 | F021B36A033 | F021B46A033 |

[3]**Continuous Line I/O $H_2O$ Stop Fast Connect** - Wiring diagram n.9 page 669 / Esquema eléctrico n.º 9, pág. 669

| 2200K | 2700K | 3000K | 4000K |
|---|---|---|---|
| F021C16A001 | F021C26A001 | F021C36A001 | F021C46A001 |
| F021C16A006 | F021C26A006 | F021C36A006 | F021C46A006 |
| F021C16A012 | F021C26A012 | F021C36A012 | F021C46A012 |
| F021C16A018 | F021C26A018 | F021C36A018 | F021C46A018 |
| F021C16A030 | F021C26A030 | F021C36A030 | F021C46A030 |
| F021C16A033 | F021C26A033 | F021C36A033 | F021C46A033 |

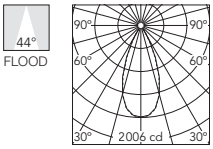
[1]Standard Version: 1000 mm lenght prewired cable (connecting accessory to be separately ordered) / pieza de cable de salida 1000 mm (se deben comprar los accesorios para la conexión).

[2]Quick Install In $H_2O$ Stop Version: prewired $H_2O$ Stop Plug&Play connector for an easy/rapid connection (connecting accessory to be ordered separately) / conector $H_2O$ Stop Plug&Play preinstalado para la conexión rápida (se deben comprar los accesorios para la conexión).

[3]Continous Line In/Out $H_2O$ Stop Version: prewired $H_2O$ Stop Plug&Play connectors for an easy in line connection (connecting accessory to be ordered separately) / conectores $H_2O$ Stop Plug&Play preinstalados para la conexión en linea (se deben comprar los accesorios para la conexión).

[1]**Standard** - Wiring diagram n.7 page 669 / Esquema eléctrico n.º 7, pág. 669

| 2200K | 2700K | 3000K | 4000K |
|---|---|---|---|
| ○ F021A1BA001 | ○ F021A2BA001 | ○ F021A3BA001 | ○ F021A4BA001 |
| ● F021A1BA006 | ● F021A2BA006 | ● F021A3BA006 | ● F021A4BA006 |
| ● F021A1BA012 | ● F021A2BA012 | ● F021A3BA012 | ● F021A4BA012 |
| ● F021A1BA018 | ● F021A2BA018 | ● F021A3BA018 | ● F021A4BA018 |
| ● F021A1BA030 | ● F021A2BA030 | ● F021A3BA030 | ● F021A4BA030 |
| ● F021A1BA033 | ● F021A2BA033 | ● F021A3BA033 | ● F021A4BA033 |




@4000K

| Beam Angle: | 44° |
|---|---|
| h(m) | E(lx) | D(m) |
| 1 | 2006 | 0.81 |
| 2 | 501 | 1.63 |
| 3 | 223 | 2.44 |
| 4 | 125 | 3.26 |
| 5 | 80 | 4.07 |

[2]**Quick Install I $H_2O$ Stop Fast Connect** - Wiring diagram n.8 page 669 / Esquema eléctrico n.º 8, pág. 669

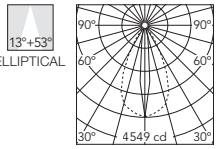
| 2200K | 2700K | 3000K | 4000K |
|---|---|---|---|
| ○ F021B1BA001 | ○ F021B2BA001 | ○ F021B3BA001 | ○ F021B4BA001 |
| ● F021B1BA006 | ● F021B2BA006 | ● F021B3BA006 | ● F021B4BA006 |
| ● F021B1BA012 | ● F021B2BA012 | ● F021B3BA012 | ● F021B4BA012 |
| ● F021B1BA018 | ● F021B2BA018 | ● F021B3BA018 | ● F021B4BA018 |
| ● F021B1BA030 | ● F021B2BA030 | ● F021B3BA030 | ● F021B4BA030 |
| ● F021B1BA033 | ● F021B2BA033 | ● F021B3BA033 | ● F021B4BA033 |

[3]**Continuous Line I/O $H_2O$ Stop Fast Connect** - Wiring diagram n.9 page 669 / Esquema eléctrico n.º 9, pág. 669

| 2200K | 2700K | 3000K | 4000K |
|---|---|---|---|
| ○ F021C1BA001 | ○ F021C2BA001 | ○ F021C3BA001 | ○ F021C4BA001 |
| ● F021C1BA006 | ● F021C2BA006 | ● F021C3BA006 | ● F021C4BA006 |
| ● F021C1BA012 | ● F021C2BA012 | ● F021C3BA012 | ● F021C4BA012 |
| ● F021C1BA018 | ● F021C2BA018 | ● F021C3BA018 | ● F021C4BA018 |
| ● F021C1BA030 | ● F021C2BA030 | ● F021C3BA030 | ● F021C4BA030 |
| ● F021C1BA033 | ● F021C2BA033 | ● F021C3BA033 | ● F021C4BA033 |

[1]**Standard** - Wiring diagram n.7 page 669 / Esquema eléctrico n.º 7, pág. 669

| 2200K | 2700K | 3000K | 4000K |
|---|---|---|---|
| ○ F021A1FA001 | ○ F021A2FA001 | ○ F021A3FA001 | ○ F021A4FA001 |
| ● F021A1FA006 | ● F021A2FA006 | ● F021A3FA006 | ● F021A4FA006 |
| ● F021A1FA012 | ● F021A2FA012 | ● F021A3FA012 | ● F021A4FA012 |
| ● F021A1FA018 | ● F021A2FA018 | ● F021A3FA018 | ● F021A4FA018 |
| ● F021A1FA030 | ● F021A2FA030 | ● F021A3FA030 | ● F021A4FA030 |
| ● F021A1FA033 | ● F021A2FA033 | ● F021A3FA033 | ● F021A4FA033 |




@4000K

| Beam Angle: | 53° |
|---|---|
| h(m) | E(lx) | D(m) |
| 1 | 4549 | 0.22 |
| 2 | 1137 | 0.44 |
| 3 | 505 | 0.66 |
| 4 | 284 | 0.88 |
| 5 | 182 | 1.10 |

[2]**Quick Install I $H_2O$ Stop Fast Connect** - Wiring diagram n.8 page 669 / Esquema eléctrico n.º 8, pág. 669

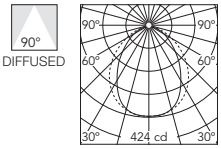
| 2200K | 2700K | 3000K | 4000K |
|---|---|---|---|
| ○ F021B1FA001 | ○ F021B2FA001 | ○ F021B3FA001 | ○ F021B4FA001 |
| ● F021B1FA006 | ● F021B2FA006 | ● F021B3FA006 | ● F021B4FA006 |
| ● F021B1FA012 | ● F021B2FA012 | ● F021B3FA012 | ● F021B4FA012 |
| ● F021B1FA018 | ● F021B2FA018 | ● F021B3FA018 | ● F021B4FA018 |
| ● F021B1FA030 | ● F021B2FA030 | ● F021B3FA030 | ● F021B4FA030 |
| ● F021B1FA033 | ● F021B2FA033 | ● F021B3FA033 | ● F021B4FA033 |

[3]**Continuous Line I/O $H_2O$ Stop Fast Connect** - Wiring diagram n.9 page 669 / Esquema eléctrico n.º 9, pág. 669

| 2200K | 2700K | 3000K | 4000K |
|---|---|---|---|
| ○ F021C1FA001 | ○ F021C2FA001 | ○ F021C3FA001 | ○ F021C4FA001 |
| ● F021C1FA006 | ● F021C2FA006 | ● F021C3FA006 | ● F021C4FA006 |
| ● F021C1FA012 | ● F021C2FA012 | ● F021C3FA012 | ● F021C4FA012 |
| ● F021C1FA018 | ● F021C2FA018 | ● F021C3FA018 | ● F021C4FA018 |
| ● F021C1FA030 | ● F021C2FA030 | ● F021C3FA030 | ● F021C4FA030 |
| ● F021C1FA033 | ● F021C2FA033 | ● F021C3FA033 | ● F021C4FA033 |

[1]**Standard** - Wiring diagram n.7 page 669 / Esquema eléctrico n.º 7, pág. 669

| 2200K | 2700K | 3000K | 4000K |
|---|---|---|---|
| ○ F021A1KA001 | ○ F021A2KA001 | ○ F021A3KA001 | ○ F021A4KA001 |
| ● F021A1KA006 | ● F021A2KA006 | ● F021A3KA006 | ● F021A4KA006 |
| ● F021A1KA012 | ● F021A2KA012 | ● F021A3KA012 | ● F021A4KA012 |
| ● F021A1KA018 | ● F021A2KA018 | ● F021A3KA018 | ● F021A4KA018 |
| ● F021A1KA030 | ● F021A2KA030 | ● F021A3KA030 | ● F021A4KA030 |
| ● F021A1KA033 | ● F021A2KA033 | ● F021A3KA033 | ● F021A4KA033 |




@4000K

| Beam Angle: | 90° |
|---|---|
| h(m) | E(lx) | D(m) |
| 1 | 424 | 1.74 |
| 2 | 106 | 3.49 |
| 3 | 47 | 5.23 |
| 4 | 26 | 6.98 |
| 5 | 17 | 8.72 |

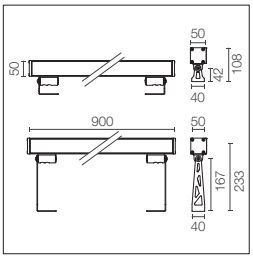
[2]**Quick Install I $H_2O$ Stop Fast Connect** - Wiring diagram n.8 page 669 / Esquema eléctrico n.º 8, pág. 669

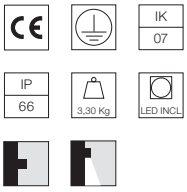
| 2200K | 2700K | 3000K | 4000K |
|---|---|---|---|
| ○ F021B1KA001 | ○ F021B2KA001 | ○ F021B3KA001 | ○ F021B4KA001 |
| ● F021B1KA006 | ● F021B2KA006 | ● F021B3KA006 | ● F021B4KA006 |
| ● F021B1KA012 | ● F021B2KA012 | ● F021B3KA012 | ● F021B4KA012 |
| ● F021B1KA018 | ● F021B2KA018 | ● F021B3KA018 | ● F021B4KA018 |
| ● F021B1KA030 | ● F021B2KA030 | ● F021B3KA030 | ● F021B4KA030 |
| ● F021B1KA033 | ● F021B2KA033 | ● F021B3KA033 | ● F021B4KA033 |

[3]**Continuous Line I/O $H_2O$ Stop Fast Connect** - Wiring diagram n.9 page 669 / Esquema eléctrico n.º 9, pág. 669

| 2200K | 2700K | 3000K | 4000K |
|---|---|---|---|
| ○ F021C1KA001 | ○ F021C2KA001 | ○ F021C3KA001 | ○ F021C4KA001 |
| ● F021C1KA006 | ● F021C2KA006 | ● F021C3KA006 | ● F021C4KA006 |
| ● F021C1KA012 | ● F021C2KA012 | ● F021C3KA012 | ● F021C4KA012 |
| ● F021C1KA018 | ● F021C2KA018 | ● F021C3KA018 | ● F021C4KA018 |
| ● F021C1KA030 | ● F021C2KA030 | ● F021C3KA030 | ● F021C4KA030 |
| ● F021C1KA033 | ● F021C2KA033 | ● F021C3KA033 | ● F021C4KA033 |

## Outgraze 50 L 900 - Non Dimmable



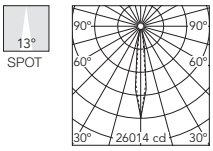

Integrated 220/240V power supply. Installation brackets, to be ordered separately. Extra clear transparent glass, excluding the DIFFUSE version with sandblasted glass. SMART version available upon request (power 15,5W - flux -30% lm).

Fuente de alimentación de 220/240V integrada. Los soportes se deben pedir por separado. Vidrio transparente extra claro, excluida la versión DIFFUSED con vidrio arenado. Por encargo, la versión SMART (potencia 15,5W - flujo - 30% lm).

**Power Led:** 20W - 2504 lm ≠ *FIXT 2054 lm - 2700K/CRI 80 - 220-240V / 20W - 2593 lm ≠ *FIXT 2127 lm - 3000K/CRI 80 - 220-240V / 20W - 2683 lm ≠ *FIXT 2201 lm - 4000K/CRI 80 -220-240V
*FIXT lm = Medium Optic

[1]**Standard** - Wiring diagram n.7 page 669 / Esquema eléctrico n.º 7, pág. 669

| 2200K | 2700K | 3000K | 4000K |
|---|---|---|---|
| ○ F021A13A001 | ○ F021A23A001 | ○ F021A33A001 | ○ F021A43A001 |
| ● F021A13A006 | ● F021A23A006 | ● F021A33A006 | ● F021A43A006 |
| ● F021A13A012 | ● F021A23A012 | ● F021A33A012 | ● F021A43A012 |
| ● F021A13A018 | ● F021A23A018 | ● F021A33A018 | ● F021A43A018 |
| ● F021A13A030 | ● F021A23A030 | ● F021A33A030 | ● F021A43A030 |
| ● F021A13A033 | ● F021A23A033 | ● F021A33A033 | ● F021A43A033 |




Beam Angle: 13°

| h(m) | E(lx) | D(m) |
|---|---|---|
| 1 | 26014 | 0.25 |
| 2 | 6504 | 0.49 |
| 3 | 2890 | 0.74 |
| 4 | 1626 | 0.98 |
| 5 | 1041 | 1.23 |

@4000K

[2]**Quick Install I $H_2O$ Stop Fast Connect** - Wiring diagram n.8 page 669 / Esquema eléctrico n.º 8, pág. 669

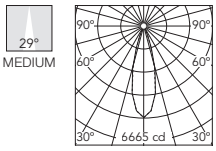
| 2200K | 2700K | 3000K | 4000K |
|---|---|---|---|
| ○ F021B13A001 | ○ F021B23A001 | ○ F021B33A001 | ○ F021B43A001 |
| ● F021B13A006 | ● F021B23A006 | ● F021B33A006 | ● F021B43A006 |
| ● F021B13A012 | ● F021B23A012 | ● F021B33A012 | ● F021B43A012 |
| ● F021B13A018 | ● F021B23A018 | ● F021B33A018 | ● F021B43A018 |
| ● F021B13A030 | ● F021B23A030 | ● F021B33A030 | ● F021B43A030 |
| ● F021B13A033 | ● F021B23A033 | ● F021B33A033 | ● F021B43A033 |

[3]**Continuous Line I/O $H_2O$ Stop Fast Connect** - Wiring diagram n.9 page 669 / Esquema eléctrico n.º 9, pág. 669

| 2200K | 2700K | 3000K | 4000K |
|---|---|---|---|
| ○ F021C13A001 | ○ F021C23A001 | ○ F021C33A001 | ○ F021C43A001 |
| ● F021C13A006 | ● F021C23A006 | ● F021C33A006 | ● F021C43A006 |
| ● F021C13A012 | ● F021C23A012 | ● F021C33A012 | ● F021C43A012 |
| ● F021C13A018 | ● F021C23A018 | ● F021C33A018 | ● F021C43A018 |
| ● F021C13A030 | ● F021C23A030 | ● F021C33A030 | ● F021C43A030 |
| ● F021C13A033 | ● F021C23A033 | ● F021C33A033 | ● F021C43A033 |

[1]**Standard** - Wiring diagram n.7 page 669 / Esquema eléctrico n.º 7, pág. 669

| 2200K | 2700K | 3000K | 4000K |
|---|---|---|---|
| ○ F021A17A001 | ○ F021A27A001 | ○ F021A37A001 | ○ F021A47A001 |
| ● F021A17A006 | ● F021A27A006 | ● F021A37A006 | ● F021A47A006 |
| ● F021A17A012 | ● F021A27A012 | ● F021A37A012 | ● F021A47A012 |
| ● F021A17A018 | ● F021A27A018 | ● F021A37A018 | ● F021A47A018 |
| ● F021A17A030 | ● F021A27A030 | ● F021A37A030 | ● F021A47A030 |
| ● F021A17A033 | ● F021A27A033 | ● F021A37A033 | ● F021A47A033 |




Beam Angle: 29°

| h(m) | E(lx) | D(m) |
|---|---|---|
| 1 | 6665 | 0.52 |
| 2 | 1666 | 1.04 |
| 3 | 741 | 1.56 |
| 4 | 417 | 2.08 |
| 5 | 267 | 2.60 |

@4000K

[2]**Quick Install I $H_2O$ Stop Fast Connect** - Wiring diagram n.8 page 669 / Esquema eléctrico n.º 8, pág. 669

| 2200K | 2700K | 3000K | 4000K |
|---|---|---|---|
| ○ F021B17A001 | ○ F021B27A001 | ○ F021B37A001 | ○ F021B47A001 |
| ● F021B17A006 | ● F021B27A006 | ● F021B37A006 | ● F021B47A006 |
| ● F021B17A012 | ● F021B27A012 | ● F021B37A012 | ● F021B47A012 |
| ● F021B17A018 | ● F021B27A018 | ● F021B37A018 | ● F021B47A018 |
| ● F021B17A030 | ● F021B27A030 | ● F021B37A030 | ● F021B47A030 |
| ● F021B17A033 | ● F021B27A033 | ● F021B37A033 | ● F021B47A033 |

[3]**Continuous Line I/O $H_2O$ Stop Fast Connect** - Wiring diagram n.9 page 669 / Esquema eléctrico n.º 9, pág. 669

| 2200K | 2700K | 3000K | 4000K |
|---|---|---|---|
| ○ F021C17A001 | ○ F021C27A001 | ○ F021C37A001 | ○ F021C47A001 |
| ● F021C17A006 | ● F021C27A006 | ● F021C37A006 | ● F021C47A006 |
| ● F021C17A012 | ● F021C27A012 | ● F021C37A012 | ● F021C47A012 |
| ● F021C17A018 | ● F021C27A018 | ● F021C37A018 | ● F021C47A018 |
| ● F021C17A030 | ● F021C27A030 | ● F021C37A030 | ● F021C47A030 |
| ● F021C17A033 | ● F021C27A033 | ● F021C37A033 | ● F021C47A033 |

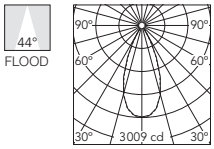
[1]Standard Version: 1000 mm lenght prewired cable (connecting accessory to be separately ordered) / pieza de cable de salida 1000 mm (se deben comprar los accesorios para la conexión).

[2]Quick Install In $H_2O$ Stop Version: prewired $H_2O$ Stop Plug&Play connector for an easy/rapid connection (connecting accessory to be ordered separately) / conector $H_2O$ Stop Plug&Play preinstalado para la conexión rápida (se deben comprar los accesorios para la conexión).

[3]Continous Line In/Out $H_2O$ Stop Version: prewired $H_2O$ Stop Plug&Play connectors for an easy in line connection (connecting accessory to be ordered separately) / conectores $H_2O$ Stop Plug&Play preinstalados para la conexión en linea (se deben comprar los accesorios para la conexión).

[1]**Standard** - Wiring diagram n.7 page 669 / Esquema eléctrico n.º 7, pág. 669

| 2200K | 2700K | 3000K | 4000K |
|---|---|---|---|
| F021A1CA001 | F021A2CA001 | F021A3CA001 | F021A4CA001 |
| F021A1CA006 | F021A2CA006 | F021A3CA006 | F021A4CA006 |
| F021A1CA012 | F021A2CA012 | F021A3CA012 | F021A4CA012 |
| F021A1CA018 | F021A2CA018 | F021A3CA018 | F021A4CA018 |
| F021A1CA030 | F021A2CA030 | F021A3CA030 | F021A4CA030 |
| F021A1CA033 | F021A2CA033 | F021A3CA033 | F021A4CA033 |




@4000K

Beam Angle: 44°

| h(m) | E(lx) | D(m) |
|---|---|---|
| 1 | 3009 | 0.81 |
| 2 | 752 | 1.63 |
| 3 | 334 | 2.44 |
| 4 | 188 | 3.26 |
| 5 | 120 | 4.07 |

[2]**Quick Install I $H_2O$ Stop Fast Connect** - Wiring diagram n.8 page 669 / Esquema eléctrico n.º 8, pág. 669

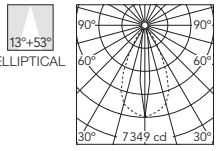
| 2200K | 2700K | 3000K | 4000K |
|---|---|---|---|
| F021B1CA001 | F021B2CA001 | F021B3CA001 | F021B4CA001 |
| F021B1CA006 | F021B2CA006 | F021B3CA006 | F021B4CA006 |
| F021B1CA012 | F021B2CA012 | F021B3CA012 | F021B4CA012 |
| F021B1CA018 | F021B2CA018 | F021B3CA018 | F021B4CA018 |
| F021B1CA030 | F021B2CA030 | F021B3CA030 | F021B4CA030 |
| F021B1CA033 | F021B2CA033 | F021B3CA033 | F021B4CA033 |

[3]**Continuous Line I/O $H_2O$ Stop Fast Connect** - Wiring diagram n.9 page 669 / Esquema eléctrico n.º 9, pág. 669

| 2200K | 2700K | 3000K | 4000K |
|---|---|---|---|
| F021C1CA001 | F021C2CA001 | F021C3CA001 | F021C4CA001 |
| F021C1CA006 | F021C2CA006 | F021C3CA006 | F021C4CA006 |
| F021C1CA012 | F021C2CA012 | F021C3CA012 | F021C4CA012 |
| F021C1CA018 | F021C2CA018 | F021C3CA018 | F021C4CA018 |
| F021C1CA030 | F021C2CA030 | F021C3CA030 | F021C4CA030 |
| F021C1CA033 | F021C2CA033 | F021C3CA033 | F021C4CA033 |

[1]**Standard** - Wiring diagram n.7 page 669 / Esquema eléctrico n.º 7, pág. 669

| 2200K | 2700K | 3000K | 4000K |
|---|---|---|---|
| F021A1GA001 | F021A2GA001 | F021A3GA001 | F021A4GA001 |
| F021A1GA006 | F021A2GA006 | F021A3GA006 | F021A4GA006 |
| F021A1GA012 | F021A2GA012 | F021A3GA012 | F021A4GA012 |
| F021A1GA018 | F021A2GA018 | F021A3GA018 | F021A4GA018 |
| F021A1GA030 | F021A2GA030 | F021A3GA030 | F021A4GA030 |
| F021A1GA033 | F021A2GA033 | F021A3GA033 | F021A4GA033 |




@4000K

Beam Angle: 53°

| h(m) | E(lx) | D(m) |
|---|---|---|
| 1 | 7349 | 0.22 |
| 2 | 1837 | 0.44 |
| 3 | 817 | 0.66 |
| 4 | 459 | 0.88 |
| 5 | 294 | 1.10 |

[2]**Quick Install I $H_2O$ Stop Fast Connect** - Wiring diagram n.8 page 669 / Esquema eléctrico n.º 8, pág. 669

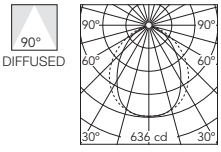
| 2200K | 2700K | 3000K | 4000K |
|---|---|---|---|
| F021B1GA001 | F021B2GA001 | F021B3GA001 | F021B4GA001 |
| F021B1GA006 | F021B2GA006 | F021B3GA006 | F021B4GA006 |
| F021B1GA012 | F021B2GA012 | F021B3GA012 | F021B4GA012 |
| F021B1GA018 | F021B2GA018 | F021B3GA018 | F021B4GA018 |
| F021B1GA030 | F021B2GA030 | F021B3GA030 | F021B4GA030 |
| F021B1GA033 | F021B2GA033 | F021B3GA033 | F021B4GA033 |

[3]**Continuous Line I/O $H_2O$ Stop Fast Connect** - Wiring diagram n.9 page 669 / Esquema eléctrico n.º 9, pág. 669

| 2200K | 2700K | 3000K | 4000K |
|---|---|---|---|
| F021C1GA001 | F021C2GA001 | F021C3GA001 | F021C4GA001 |
| F021C1GA006 | F021C2GA006 | F021C3GA006 | F021C4GA006 |
| F021C1GA012 | F021C2GA012 | F021C3GA012 | F021C4GA012 |
| F021C1GA018 | F021C2GA018 | F021C3GA018 | F021C4GA018 |
| F021C1GA030 | F021C2GA030 | F021C3GA030 | F021C4GA030 |
| F021C1GA033 | F021C2GA033 | F021C3GA033 | F021C4GA033 |

[1]**Standard** - Wiring diagram n.7 page 669 / Esquema eléctrico n.º 7, pág. 669

| 2200K | 2700K | 3000K | 4000K |
|---|---|---|---|
| F021A1LA001 | F021A2LA001 | F021A3LA001 | F021A4LA001 |
| F021A1LA006 | F021A2LA006 | F021A3LA006 | F021A4LA006 |
| F021A1LA012 | F021A2LA012 | F021A3LA012 | F021A4LA012 |
| F021A1LA018 | F021A2LA018 | F021A3LA018 | F021A4LA018 |
| F021A1LA030 | F021A2LA030 | F021A3LA030 | F021A4LA030 |
| F021A1LA033 | F021A2LA033 | F021A3LA033 | F021A4LA033 |




@4000K

Beam Angle: 90°

| h(m) | E(lx) | D(m) |
|---|---|---|
| 1 | 636 | 1.74 |
| 2 | 159 | 3.49 |
| 3 | 71 | 5.23 |
| 4 | 40 | 6.98 |
| 5 | 25 | 8.72 |

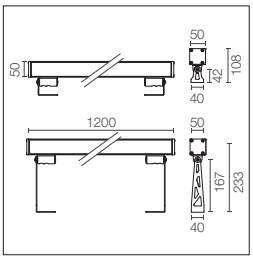
[2]**Quick Install I $H_2O$ Stop Fast Connect** - Wiring diagram n.8 page 669 / Esquema eléctrico n.º 8, pág. 669

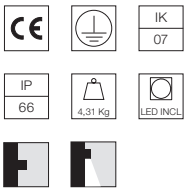
| 2200K | 2700K | 3000K | 4000K |
|---|---|---|---|
| F021B1LA001 | F021B2LA001 | F021B3LA001 | F021B4LA001 |
| F021B1LA006 | F021B2LA006 | F021B3LA006 | F021B4LA006 |
| F021B1LA012 | F021B2LA012 | F021B3LA012 | F021B4LA012 |
| F021B1LA018 | F021B2LA018 | F021B3LA018 | F021B4LA018 |
| F021B1LA030 | F021B2LA030 | F021B3LA030 | F021B4LA030 |
| F021B1LA033 | F021B2LA033 | F021B3LA033 | F021B4LA033 |

[3]**Continuous Line I/O $H_2O$ Stop Fast Connect** - Wiring diagram n.9 page 669 / Esquema eléctrico n.º 9, pág. 669

| 2200K | 2700K | 3000K | 4000K |
|---|---|---|---|
| F021C1LA001 | F021C2LA001 | F021C3LA001 | F021C4LA001 |
| F021C1LA006 | F021C2LA006 | F021C3LA006 | F021C4LA006 |
| F021C1LA012 | F021C2LA012 | F021C3LA012 | F021C4LA012 |
| F021C1LA018 | F021C2LA018 | F021C3LA018 | F021C4LA018 |
| F021C1LA030 | F021C2LA030 | F021C3LA030 | F021C4LA030 |
| F021C1LA033 | F021C2LA033 | F021C3LA033 | F021C4LA033 |

## Outgraze 50 L 1200 - Non Dimmable



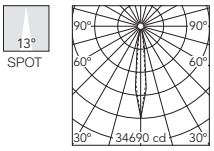

Integrated 220/240V power supply. Installation brackets, to be ordered separately. Extra clear transparent glass, excluding the DIFFUSE version with sandblasted glass. SMART version available upon request (power 18,5W - flux -30% lm).

Fuente de alimentación de 220/240V integrada. Los soportes se deben pedir por separado. Vidrio transparente extra claro, excluida la versión DIFFUSED con vidrio arenado. Por encargo, la versión SMART (potencia 18,5W - flujo - 30% lm).

**Power Led:** 27W - 3338 lm ≠ *FIXT 2739 lm - 2700K/CRI 80 - 220-240V / 27W - 3458 lm ≠ *FIXT 2836 lm - 3000K/CRI 80 - 220-240V / 27W - 3577 lm ≠ *FIXT 2934 lm - 4000K/CRI 80 -220-240V
*FIXT lm = Medium Optic

[1]**Standard** - Wiring diagram n.7 page 669 / Esquema eléctrico n.º 7, pág. 669

| 2200K | 2700K | 3000K | 4000K |
|---|---|---|---|
| ○ F021A14A001 | ○ F021A24A001 | ○ F021A34A001 | ○ F021A44A001 |
| ● F021A14A006 | ● F021A24A006 | ● F021A34A006 | ● F021A44A006 |
| ● F021A14A012 | ● F021A24A012 | ● F021A34A012 | ● F021A44A012 |
| ● F021A14A018 | ● F021A24A018 | ● F021A34A018 | ● F021A44A018 |
| ● F021A14A030 | ● F021A24A030 | ● F021A34A030 | ● F021A44A030 |
| ● F021A14A033 | ● F021A24A033 | ● F021A34A033 | ● F021A44A033 |




Beam Angle: 13°

| h(m) | E(lx) | D(m) |
|---|---|---|
| 1 | 34690 | 0.25 |
| 2 | 8672 | 0.49 |
| 3 | 3854 | 0.74 |
| 4 | 2168 | 0.98 |
| 5 | 1388 | 1.23 |

@4000K

[2]**Quick Install I $H_2O$ Stop Fast Connect** - Wiring diagram n.8 page 669 / Esquema eléctrico n.º 8, pág. 669

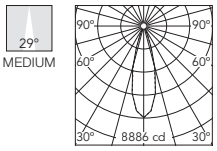
| 2200K | 2700K | 3000K | 4000K |
|---|---|---|---|
| ○ F021B14A001 | ○ F021B24A001 | ○ F021B34A001 | ○ F021B44A001 |
| ● F021B14A006 | ● F021B24A006 | ● F021B34A006 | ● F021B44A006 |
| ● F021B14A012 | ● F021B24A012 | ● F021B34A012 | ● F021B44A012 |
| ● F021B14A018 | ● F021B24A018 | ● F021B34A018 | ● F021B44A018 |
| ● F021B14A030 | ● F021B24A030 | ● F021B34A030 | ● F021B44A030 |
| ● F021B14A033 | ● F021B24A033 | ● F021B34A033 | ● F021B44A033 |

[3]**Continuous Line I/O $H_2O$ Stop Fast Connect** - Wiring diagram n.9 page 669 / Esquema eléctrico n.º 9, pág. 669

| 2200K | 2700K | 3000K | 4000K |
|---|---|---|---|
| ○ F021C14A001 | ○ F021C24A001 | ○ F021C34A001 | ○ F021C44A001 |
| ● F021C14A006 | ● F021C24A006 | ● F021C34A006 | ● F021C44A006 |
| ● F021C14A012 | ● F021C24A012 | ● F021C34A012 | ● F021C44A012 |
| ● F021C14A018 | ● F021C24A018 | ● F021C34A018 | ● F021C44A018 |
| ● F021C14A030 | ● F021C24A030 | ● F021C34A030 | ● F021C44A030 |
| ● F021C14A033 | ● F021C24A033 | ● F021C34A033 | ● F021C44A033 |

[1]**Standard** - Wiring diagram n.7 page 669 / Esquema eléctrico n.º 7, pág. 669

| 2200K | 2700K | 3000K | 4000K |
|---|---|---|---|
| ○ F021A18A001 | ○ F021A28A001 | ○ F021A38A001 | ○ F021A48A001 |
| ● F021A18A006 | ● F021A28A006 | ● F021A38A006 | ● F021A48A006 |
| ● F021A18A012 | ● F021A28A012 | ● F021A38A012 | ● F021A48A012 |
| ● F021A18A018 | ● F021A28A018 | ● F021A38A018 | ● F021A48A018 |
| ● F021A18A030 | ● F021A28A030 | ● F021A38A030 | ● F021A48A030 |
| ● F021A18A033 | ● F021A28A033 | ● F021A38A033 | ● F021A48A033 |




Beam Angle: 29°

| h(m) | E(lx) | D(m) |
|---|---|---|
| 1 | 8886 | 0.52 |
| 2 | 2222 | 1.04 |
| 3 | 987 | 1.56 |
| 4 | 555 | 2.08 |
| 5 | 355 | 2.60 |

@4000K

[2]**Quick Install I $H_2O$ Stop Fast Connect** - Wiring diagram n.8 page 669 / Esquema eléctrico n.º 8, pág. 669

| 2200K | 2700K | 3000K | 4000K |
|---|---|---|---|
| ○ F021B18A001 | ○ F021B28A001 | ○ F021B38A001 | ○ F021B48A001 |
| ● F021B18A006 | ● F021B28A006 | ● F021B38A006 | ● F021B48A006 |
| ● F021B18A012 | ● F021B28A012 | ● F021B38A012 | ● F021B48A012 |
| ● F021B18A018 | ● F021B28A018 | ● F021B38A018 | ● F021B48A018 |
| ● F021B18A030 | ● F021B28A030 | ● F021B38A030 | ● F021B48A030 |
| ● F021B18A033 | ● F021B28A033 | ● F021B38A033 | ● F021B48A033 |

[3]**Continuous Line I/O $H_2O$ Stop Fast Connect** - Wiring diagram n.9 page 669 / Esquema eléctrico n.º 9, pág. 669

| 2200K | 2700K | 3000K | 4000K |
|---|---|---|---|
| ○ F021C18A001 | ○ F021C28A001 | ○ F021C38A001 | ○ F021C48A001 |
| ● F021C18A006 | ● F021C28A006 | ● F021C38A006 | ● F021C48A006 |
| ● F021C18A012 | ● F021C28A012 | ● F021C38A012 | ● F021C48A012 |
| ● F021C18A018 | ● F021C28A018 | ● F021C38A018 | ● F021C48A018 |
| ● F021C18A030 | ● F021C28A030 | ● F021C38A030 | ● F021C48A030 |
| ● F021C18A033 | ● F021C28A033 | ● F021C38A033 | ● F021C48A033 |

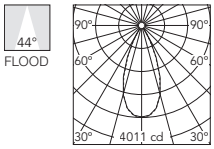
[1]Standard Version: 1000 mm lenght prewired cable (connecting accessory to be separately ordered) / pieza de cable de salida 1000 mm (se deben comprar los accesorios para la conexión).

[2]Quick Install In $H_2O$ Stop Version: prewired $H_2O$ Stop Plug&Play connector for an easy/rapid connection (connecting accessory to be ordered separately) / conector $H_2O$ Stop Plug&Play preinstalado para la conexión rápida (se deben comprar los accesorios para la conexión).

[3]Continous Line In/Out $H_2O$ Stop Version: prewired $H_2O$ Stop Plug&Play connectors for an easy in line connection (connecting accessory to be ordered separately) / conectores $H_2O$ Stop Plug&Play preinstalados para la conexión en linea (se deben comprar los accesorios para la conexión).

[1]**Standard** - Wiring diagram n.7 page 669 / Esquema eléctrico n.º 7, pág. 669

| 2200K | 2700K | 3000K | 4000K |
|---|---|---|---|
| ○ F021A1DA001 | ○ F021A2DA001 | ○ F021A3DA001 | ○ F021A4DA001 |
| ● F021A1DA006 | ● F021A2DA006 | ● F021A3DA006 | ● F021A4DA006 |
| ● F021A1DA012 | ● F021A2DA012 | ● F021A3DA012 | ● F021A4DA012 |
| ● F021A1DA018 | ● F021A2DA018 | ● F021A3DA018 | ● F021A4DA018 |
| ● F021A1DA030 | ● F021A2DA030 | ● F021A3DA030 | ● F021A4DA030 |
| ● F021A1DA033 | ● F021A2DA033 | ● F021A3DA033 | ● F021A4DA033 |




Beam Angle: 44°

| h(m) | E(lx) | D(m) |
|---|---|---|
| 1 | 4011 | 0.81 |
| 2 | 1003 | 1.63 |
| 3 | 446 | 2.44 |
| 4 | 251 | 3.26 |
| 5 | 160 | 4.07 |

@4000K

[2]**Quick Install I $H_2O$ Stop Fast Connect** - Wiring diagram n.8 page 669 / Esquema eléctrico n.º 8, pág. 669

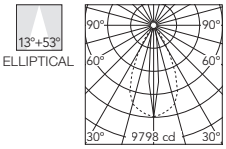
| 2200K | 2700K | 3000K | 4000K |
|---|---|---|---|
| ○ F021B1DA001 | ○ F021B2DA001 | ○ F021B3DA001 | ○ F021B4DA001 |
| ● F021B1DA006 | ● F021B2DA006 | ● F021B3DA006 | ● F021B4DA006 |
| ● F021B1DA012 | ● F021B2DA012 | ● F021B3DA012 | ● F021B4DA012 |
| ● F021B1DA018 | ● F021B2DA018 | ● F021B3DA018 | ● F021B4DA018 |
| ● F021B1DA030 | ● F021B2DA030 | ● F021B3DA030 | ● F021B4DA030 |
| ● F021B1DA033 | ● F021B2DA033 | ● F021B3DA033 | ● F021B4DA033 |

[3]**Continuous Line I/O $H_2O$ Stop Fast Connect** - Wiring diagram n.9 page 669 / Esquema eléctrico n.º 9, pág. 669

| 2200K | 2700K | 3000K | 4000K |
|---|---|---|---|
| ○ F021C1DA001 | ○ F021C2DA001 | ○ F021C3DA001 | ○ F021C4DA001 |
| ● F021C1DA006 | ● F021C2DA006 | ● F021C3DA006 | ● F021C4DA006 |
| ● F021C1DA012 | ● F021C2DA012 | ● F021C3DA012 | ● F021C4DA012 |
| ● F021C1DA018 | ● F021C2DA018 | ● F021C3DA018 | ● F021C4DA018 |
| ● F021C1DA030 | ● F021C2DA030 | ● F021C3DA030 | ● F021C4DA030 |
| ● F021C1DA033 | ● F021C2DA033 | ● F021C3DA033 | ● F021C4DA033 |

[1]**Standard** - Wiring diagram n.7 page 669 / Esquema eléctrico n.º 7, pág. 669

| 2200K | 2700K | 3000K | 4000K |
|---|---|---|---|
| ○ F021A1HA001 | ○ F021A2HA001 | ○ F021A3HA001 | ○ F021A4HA001 |
| ● F021A1HA006 | ● F021A2HA006 | ● F021A3HA006 | ● F021A4HA006 |
| ● F021A1HA012 | ● F021A2HA012 | ● F021A3HA012 | ● F021A4HA012 |
| ● F021A1HA018 | ● F021A2HA018 | ● F021A3HA018 | ● F021A4HA018 |
| ● F021A1HA030 | ● F021A2HA030 | ● F021A3HA030 | ● F021A4HA030 |
| ● F021A1HA033 | ● F021A2HA033 | ● F021A3HA033 | ● F021A4HA033 |




Beam Angle: 53°

| h(m) | E(lx) | D(m) |
|---|---|---|
| 1 | 9798 | 0.22 |
| 2 | 2450 | 0.44 |
| 3 | 1089 | 0.66 |
| 4 | 612 | 0.88 |
| 5 | 392 | 1.10 |

@4000K

[2]**Quick Install I $H_2O$ Stop Fast Connect** - Wiring diagram n.8 page 669 / Esquema eléctrico n.º 8, pág. 669

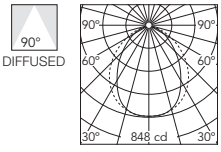
| 2200K | 2700K | 3000K | 4000K |
|---|---|---|---|
| ○ F021B1HA001 | ○ F021B2HA001 | ○ F021B3HA001 | ○ F021B4HA001 |
| ● F021B1HA006 | ● F021B2HA006 | ● F021B3HA006 | ● F021B4HA006 |
| ● F021B1HA012 | ● F021B2HA012 | ● F021B3HA012 | ● F021B4HA012 |
| ● F021B1HA018 | ● F021B2HA018 | ● F021B3HA018 | ● F021B4HA018 |
| ● F021B1HA030 | ● F021B2HA030 | ● F021B3HA030 | ● F021B4HA030 |
| ● F021B1HA033 | ● F021B2HA033 | ● F021B3HA033 | ● F021B4HA033 |

[3]**Continuous Line I/O $H_2O$ Stop Fast Connect** - Wiring diagram n.9 page 669 / Esquema eléctrico n.º 9, pág. 669

| 2200K | 2700K | 3000K | 4000K |
|---|---|---|---|
| ○ F021C1HA001 | ○ F021C2HA001 | ○ F021C3HA001 | ○ F021C4HA001 |
| ● F021C1HA006 | ● F021C2HA006 | ● F021C3HA006 | ● F021C4HA006 |
| ● F021C1HA012 | ● F021C2HA012 | ● F021C3HA012 | ● F021C4HA012 |
| ● F021C1HA018 | ● F021C2HA018 | ● F021C3HA018 | ● F021C4HA018 |
| ● F021C1HA030 | ● F021C2HA030 | ● F021C3HA030 | ● F021C4HA030 |
| ● F021C1HA033 | ● F021C2HA033 | ● F021C3HA033 | ● F021C4HA033 |

[1]**Standard** - Wiring diagram n.7 page 669 / Esquema eléctrico n.º 7, pág. 669

| 2200K | 2700K | 3000K | 4000K |
|---|---|---|---|
| ○ F021A1MA001 | ○ F021A2MA001 | ○ F021A3MA001 | ○ F021A4MA001 |
| ● F021A1MA006 | ● F021A2MA006 | ● F021A3MA006 | ● F021A4MA006 |
| ● F021A1MA012 | ● F021A2MA012 | ● F021A3MA012 | ● F021A4MA012 |
| ● F021A1MA018 | ● F021A2MA018 | ● F021A3MA018 | ● F021A4MA018 |
| ● F021A1MA030 | ● F021A2MA030 | ● F021A3MA030 | ● F021A4MA030 |
| ● F021A1MA033 | ● F021A2MA033 | ● F021A3MA033 | ● F021A4MA033 |




Beam Angle: 90°

| h(m) | E(lx) | D(m) |
|---|---|---|
| 1 | 848 | 1.74 |
| 2 | 212 | 3.49 |
| 3 | 94 | 5.23 |
| 4 | 53 | 6.98 |
| 5 | 34 | 8.72 |

@4000K

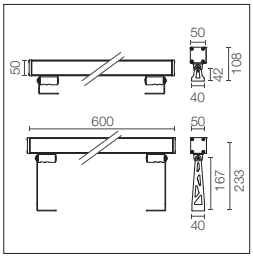
[2]**Quick Install I $H_2O$ Stop Fast Connect** - Wiring diagram n.8 page 669 / Esquema eléctrico n.º 8, pág. 669

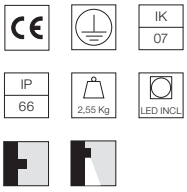
| 2200K | 2700K | 3000K | 4000K |
|---|---|---|---|
| ○ F021B1MA001 | ○ F021B2MA001 | ○ F021B3MA001 | ○ F021B4MA001 |
| ● F021B1MA006 | ● F021B2MA006 | ● F021B3MA006 | ● F021B4MA006 |
| ● F021B1MA012 | ● F021B2MA012 | ● F021B3MA012 | ● F021B4MA012 |
| ● F021B1MA018 | ● F021B2MA018 | ● F021B3MA018 | ● F021B4MA018 |
| ● F021B1MA030 | ● F021B2MA030 | ● F021B3MA030 | ● F021B4MA030 |
| ● F021B1MA033 | ● F021B2MA033 | ● F021B3MA033 | ● F021B4MA033 |

[3]**Continuous Line I/O $H_2O$ Stop Fast Connect** - Wiring diagram n.9 page 669 / Esquema eléctrico n.º 9, pág. 669

| 2200K | 2700K | 3000K | 4000K |
|---|---|---|---|
| ○ F021C1MA001 | ○ F021C2MA001 | ○ F021C3MA001 | ○ F021C4MA001 |
| ● F021C1MA006 | ● F021C2MA006 | ● F021C3MA006 | ● F021C4MA006 |
| ● F021C1MA012 | ● F021C2MA012 | ● F021C3MA012 | ● F021C4MA012 |
| ● F021C1MA018 | ● F021C2MA018 | ● F021C3MA018 | ● F021C4MA018 |
| ● F021C1MA030 | ● F021C2MA030 | ● F021C3MA030 | ● F021C4MA030 |
| ● F021C1MA033 | ● F021C2MA033 | ● F021C3MA033 | ● F021C4MA033 |

## Outgraze 50 L 600 - Dimmable DALI



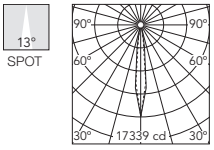

Integrated 120/240V power supply. Installation brackets, to be ordered separately. Extra clear transparent glass, excluding the DIFFUSE version with sandblasted glass. SMART dimmable DALI version available upon request (power 7W - flux -50% lm). 1-10V dimmable version upon request.

Fuente de alimentación de 120/240V integrada. Los soportes se deben pedir por separado. Vidrio transparente extra claro, excluida la versión DIFFUSED con vidrio arenado. Por encargo, la versión SMART regulable DALI (potencia 7W - flujo - 50% lm). Por encargo versión regulable 1-10V.

**Power Led:** 14,5W - 1669 lm ≠ *FIXT 1369 lm - 2700K/CRI 80 - 120-240V / 14,5W - 1729 lm ≠ *FIXT 1418 lm - 3000K/CRI 80 - 120-240V / 14,5W - 1788 lm ≠ *FIXT 1467 lm - 4000K/CRI 80 -120-240V
*FIXT lm = Medium Optic

**[2]Quick Install I $H_2O$ Stop Fast Connect** - Wiring diagram n.10 page 670 / Esquema eléctrico n.º 10, pág. 670

| 2200K | 2700K | 3000K | 4000K |
|---|---|---|---|
| ○ F021B12D001 | ○ F021B22D001 | ○ F021B32D001 | ○ F021B42D001 |
| ● F021B12D006 | ● F021B22D006 | ● F021B32D006 | ● F021B42D006 |
| ● F021B12D012 | ● F021B22D012 | ● F021B32D012 | ● F021B42D012 |
| ● F021B12D018 | ● F021B22D018 | ● F021B32D018 | ● F021B42D018 |
| ● F021B12D030 | ● F021B22D030 | ● F021B32D030 | ● F021B42D030 |
| ● F021B12D033 | ● F021B22D033 | ● F021B32D033 | ● F021B42D033 |




@4000K

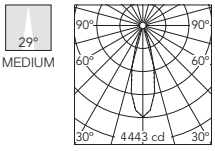
| Beam Angle: | 13° |
|---|---|
| h(m) | E(lx) | D(m) |
| 1 | 17339 | 0.25 |
| 2 | 4335 | 0.49 |
| 3 | 1927 | 0.74 |
| 4 | 1084 | 0.98 |
| 5 | 694 | 1.23 |

**[3]Continuous Line I/O $H_2O$ Stop Fast Connect** - Wiring diagram n.11 page 670 / Esquema eléctrico n.º 11, pág. 670

| 2200K | 2700K | 3000K | 4000K |
|---|---|---|---|
| ○ F021C12D001 | ○ F021C22D001 | ○ F021C32D001 | ○ F021C42D001 |
| ● F021C12D006 | ● F021C22D006 | ● F021C32D006 | ● F021C42D006 |
| ● F021C12D012 | ● F021C22D012 | ● F021C32D012 | ● F021C42D012 |
| ● F021C12D018 | ● F021C22D018 | ● F021C32D018 | ● F021C42D018 |
| ● F021C12D030 | ● F021C22D030 | ● F021C32D030 | ● F021C42D030 |
| ● F021C12D033 | ● F021C22D033 | ● F021C32D033 | ● F021C42D033 |

**[2]Quick Install I $H_2O$ Stop Fast Connect** - Wiring diagram n.10 page 670 / Esquema eléctrico n.º 10, pág. 670

| 2200K | 2700K | 3000K | 4000K |
|---|---|---|---|
| ○ F021B16D001 | ○ F021B26D001 | ○ F021B36D001 | ○ F021B46D001 |
| ● F021B16D006 | ● F021B26D006 | ● F021B36D006 | ● F021B46D006 |
| ● F021B16D012 | ● F021B26D012 | ● F021B36D012 | ● F021B46D012 |
| ● F021B16D018 | ● F021B26D018 | ● F021B36D018 | ● F021B46D018 |
| ● F021B16D030 | ● F021B26D030 | ● F021B36D030 | ● F021B46D030 |
| ● F021B16D033 | ● F021B26D033 | ● F021B36D033 | ● F021B46D033 |




@4000K

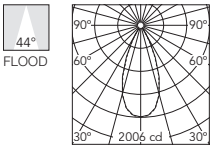
| Beam Angle: | 29° |
|---|---|
| h(m) | E(lx) | D(m) |
| 1 | 4443 | 0.52 |
| 2 | 1111 | 1.04 |
| 3 | 494 | 1.56 |
| 4 | 278 | 2.08 |
| 5 | 178 | 2.60 |

**[3]Continuous Line I/O $H_2O$ Stop Fast Connect** - Wiring diagram n.11 page 670 / Esquema eléctrico n.º 11, pág. 670

| 2200K | 2700K | 3000K | 4000K |
|---|---|---|---|
| ○ F021C16D001 | ○ F021C26D001 | ○ F021C36D001 | ○ F021C46D001 |
| ● F021C16D006 | ● F021C26D006 | ● F021C36D006 | ● F021C46D006 |
| ● F021C16D012 | ● F021C26D012 | ● F021C36D012 | ● F021C46D012 |
| ● F021C16D018 | ● F021C26D018 | ● F021C36D018 | ● F021C46D018 |
| ● F021C16D030 | ● F021C26D030 | ● F021C36D030 | ● F021C46D030 |
| ● F021C16D033 | ● F021C26D033 | ● F021C36D033 | ● F021C46D033 |

**[2]Quick Install I $H_2O$ Stop Fast Connect** - Wiring diagram n.10 page 670 / Esquema eléctrico n.º 10, pág. 670

| 2200K | 2700K | 3000K | 4000K |
|---|---|---|---|
| ○ F021B1BD001 | ○ F021B2BD001 | ○ F021B3BD001 | ○ F021B4BD001 |
| ● F021B1BD006 | ● F021B2BD006 | ● F021B3BD006 | ● F021B4BD006 |
| ● F021B1BD012 | ● F021B2BD012 | ● F021B3BD012 | ● F021B4BD012 |
| ● F021B1BD018 | ● F021B2BD018 | ● F021B3BD018 | ● F021B4BD018 |
| ● F021B1BD030 | ● F021B2BD030 | ● F021B3BD030 | ● F021B4BD030 |
| ● F021B1BD033 | ● F021B2BD033 | ● F021B3BD033 | ● F021B4BD033 |




@4000K

| Beam Angle: | 44° |
|---|---|
| h(m) | E(lx) | D(m) |
| 1 | 2006 | 0.81 |
| 2 | 501 | 1.63 |
| 3 | 223 | 2.44 |
| 4 | 125 | 3.26 |
| 5 | 80 | 4.07 |

**[3]Continuous Line I/O $H_2O$ Stop Fast Connect** - Wiring diagram n.11 page 670 / Esquema eléctrico n.º 11, pág. 670

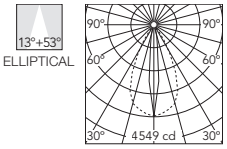
| 2200K | 2700K | 3000K | 4000K |
|---|---|---|---|
| ○ F021C1BD001 | ○ F021C2BD001 | ○ F021C3BD001 | ○ F021C4BD001 |
| ● F021C1BD006 | ● F021C2BD006 | ● F021C3BD006 | ● F021C4BD006 |
| ● F021C1BD012 | ● F021C2BD012 | ● F021C3BD012 | ● F021C4BD012 |
| ● F021C1BD018 | ● F021C2BD018 | ● F021C3BD018 | ● F021C4BD018 |
| ● F021C1BD030 | ● F021C2BD030 | ● F021C3BD030 | ● F021C4BD030 |
| ● F021C1BD033 | ● F021C2BD033 | ● F021C3BD033 | ● F021C4BD033 |

[2]Quick Install In $H_2O$ Stop Version: prewired $H_2O$ Stop Plug&Play connector for an easy/rapid connection (connecting accessory to be ordered separately) / conector $H_2O$ Stop Plug&Play preinstalado para la conexión rápida (se deben comprar los accesorios para la conexión).

[3]Continous Line In/Out $H_2O$ Stop Version: prewired $H_2O$ Stop Plug&Play connectors for an easy in line connection (connecting accessory to be ordered separately) / conectores $H_2O$ Stop Plug&Play preinstalados para la conexión en linea (se deben comprar los accesorios para la conexión).

**[2]Quick Install I $H_2O$ Stop Fast Connect** - Wiring diagram n.10 page 670 / Esquema eléctrico n.º 10, pág. 670

| 2200K | 2700K | 3000K | 4000K |
|---|---|---|---|
| ○ F021B1FD001 | ○ F021B2FD001 | ○ F021B3FD001 | ○ F021B4FD001 |
| ● F021B1FD006 | ● F021B2FD006 | ● F021B3FD006 | ● F021B4FD006 |
| ● F021B1FD012 | ● F021B2FD012 | ● F021B3FD012 | ● F021B4FD012 |
| ● F021B1FD018 | ● F021B2FD018 | ● F021B3FD018 | ● F021B4FD018 |
| ● F021B1FD030 | ● F021B2FD030 | ● F021B3FD030 | ● F021B4FD030 |
| ● F021B1FD033 | ● F021B2FD033 | ● F021B3FD033 | ● F021B4FD033 |




@4000K

Beam Angle: 53°

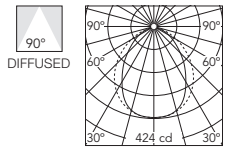
| h(m) | E(lx) | D(m) |
|---|---|---|
| 1 | 4549 | 0.22 |
| 2 | 1137 | 0.44 |
| 3 | 505 | 0.66 |
| 4 | 284 | 0.88 |
| 5 | 182 | 1.10 |

**[3]Continuous Line I/O $H_2O$ Stop Fast Connect** - Wiring diagram n.11 page 670 / Esquema eléctrico n.º 11, pág. 670

| 2200K | 2700K | 3000K | 4000K |
|---|---|---|---|
| ○ F021C1FD001 | ○ F021C2FD001 | ○ F021C3FD001 | ○ F021C4FD001 |
| ● F021C1FD006 | ● F021C2FD006 | ● F021C3FD006 | ● F021C4FD006 |
| ● F021C1FD012 | ● F021C2FD012 | ● F021C3FD012 | ● F021C4FD012 |
| ● F021C1FD018 | ● F021C2FD018 | ● F021C3FD018 | ● F021C4FD018 |
| ● F021C1FD030 | ● F021C2FD030 | ● F021C3FD030 | ● F021C4FD030 |
| ● F021C1FD033 | ● F021C2FD033 | ● F021C3FD033 | ● F021C4FD033 |

**[2]Quick Install I $H_2O$ Stop Fast Connect** - Wiring diagram n.10 page 670 / Esquema eléctrico n.º 10, pág. 670

| 2200K | 2700K | 3000K | 4000K |
|---|---|---|---|
| ○ F021B1KD001 | ○ F021B2KD001 | ○ F021B3KD001 | ○ F021B4KD001 |
| ● F021B1KD006 | ● F021B2KD006 | ● F021B3KD006 | ● F021B4KD006 |
| ● F021B1KD012 | ● F021B2KD012 | ● F021B3KD012 | ● F021B4KD012 |
| ● F021B1KD018 | ● F021B2KD018 | ● F021B3KD018 | ● F021B4KD018 |
| ● F021B1KD030 | ● F021B2KD030 | ● F021B3KD030 | ● F021B4KD030 |
| ● F021B1KD033 | ● F021B2KD033 | ● F021B3KD033 | ● F021B4KD033 |




@4000K

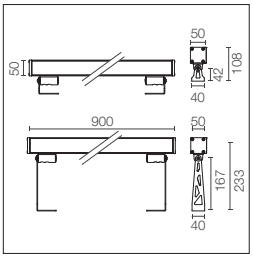
Beam Angle: 90°

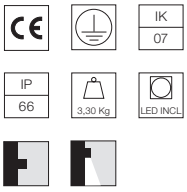
| h(m) | E(lx) | D(m) |
|---|---|---|
| 1 | 424 | 1.74 |
| 2 | 106 | 3.49 |
| 3 | 47 | 5.23 |
| 4 | 26 | 6.98 |
| 5 | 17 | 8.72 |

**[3]Continuous Line I/O $H_2O$ Stop Fast Connect** - Wiring diagram n.11 page 670 / Esquema eléctrico n.º 11, pág. 670

| 2200K | 2700K | 3000K | 4000K |
|---|---|---|---|
| ○ F021C1KD001 | ○ F021C2KD001 | ○ F021C3KD001 | ○ F021C4KD001 |
| ● F021C1KD006 | ● F021C2KD006 | ● F021C3KD006 | ● F021C4KD006 |
| ● F021C1KD012 | ● F021C2KD012 | ● F021C3KD012 | ● F021C4KD012 |
| ● F021C1KD018 | ● F021C2KD018 | ● F021C3KD018 | ● F021C4KD018 |
| ● F021C1KD030 | ● F021C2KD030 | ● F021C3KD030 | ● F021C4KD030 |
| ● F021C1KD033 | ● F021C2KD033 | ● F021C3KD033 | ● F021C4KD033 |

## Outgraze 50 L 900 - Dimmable DALI



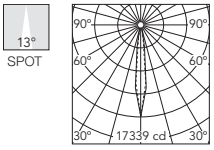

Integrated 120/240V power supply. Installation brackets, to be ordered separately. Extra clear transparent glass, excluding the DIFFUSE version with sandblasted glass. SMART dimmable DALI version available upon request (power 11W - flux -50% lm). 1-10V dimmable version upon request.

Fuente de alimentación de 120/240V integrada. Los soportes se deben pedir por separado. Vidrio transparente extra claro, excluida la versión DIFFUSED con vidrio arenado. Por encargo, la versión SMART regulable DALI (potencia 11W - flujo - 50% lm). Por encargo versión regulable 1-10V.

**Power Led:** 20W - 2504 lm ≠ *FIXT 2054 lm - 2700K/CRI 80 - 120-240V / 20W - 2593 lm ≠ *FIXT 2127 lm - 3000K/CRI 80 - 120-240V / 20W - 2683 lm ≠ *FIXT 2201 lm - 4000K/CRI 80 -120-240V
*FIXT lm = Medium Optic

**[2]Quick Install I $H_2O$ Stop Fast Connect** - Wiring diagram n.10 page 670 / Esquema eléctrico n.º 10, pág. 670

| 2200K | 2700K | 3000K | 4000K |
|---|---|---|---|
| ○ F021B13D001 | ○ F021B23D001 | ○ F021B33D001 | ○ F021B43D001 |
| ● F021B13D006 | ● F021B23D006 | ● F021B33D006 | ● F021B43D006 |
| ● F021B13D012 | ● F021B23D012 | ● F021B33D012 | ● F021B43D012 |
| ● F021B13D018 | ● F021B23D018 | ● F021B33D018 | ● F021B43D018 |
| ● F021B13D030 | ● F021B23D030 | ● F021B33D030 | ● F021B43D030 |
| ● F021B13D033 | ● F021B23D033 | ● F021B33D033 | ● F021B43D033 |




@4000K

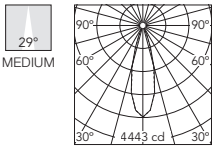
| Beam Angle: | 13° | |
|---|---|---|
| h(m) | E(lx) | D(m) |
| 1 | 17339 | 0.25 |
| 2 | 4335 | 0.49 |
| 3 | 1927 | 0.74 |
| 4 | 1084 | 0.98 |
| 5 | 694 | 1.23 |

**[3]Continuous Line I/O $H_2O$ Stop Fast Connect** - Wiring diagram n.11 page 670 / Esquema eléctrico n.º 11, pág. 670

| 2200K | 2700K | 3000K | 4000K |
|---|---|---|---|
| ○ F021C13D001 | ○ F021C23D001 | ○ F021C33D001 | ○ F021C43D001 |
| ● F021C13D006 | ● F021C23D006 | ● F021C33D006 | ● F021C43D006 |
| ● F021C13D012 | ● F021C23D012 | ● F021C33D012 | ● F021C43D012 |
| ● F021C13D018 | ● F021C23D018 | ● F021C33D018 | ● F021C43D018 |
| ● F021C13D030 | ● F021C23D030 | ● F021C33D030 | ● F021C43D030 |
| ● F021C13D033 | ● F021C23D033 | ● F021C33D033 | ● F021C43D033 |

**[2]Quick Install I $H_2O$ Stop Fast Connect** - Wiring diagram n.10 page 670 / Esquema eléctrico n.º 10, pág. 670

| 2200K | 2700K | 3000K | 4000K |
|---|---|---|---|
| ○ F021B17D001 | ○ F021B27D001 | ○ F021B37D001 | ○ F021B47D001 |
| ● F021B17D006 | ● F021B27D006 | ● F021B37D006 | ● F021B47D006 |
| ● F021B17D012 | ● F021B27D012 | ● F021B37D012 | ● F021B47D012 |
| ● F021B17D018 | ● F021B27D018 | ● F021B37D018 | ● F021B47D018 |
| ● F021B17D030 | ● F021B27D030 | ● F021B37D030 | ● F021B47D030 |
| ● F021B17D033 | ● F021B27D033 | ● F021B37D033 | ● F021B47D033 |




@4000K

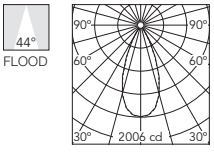
| Beam Angle: | 29° | |
|---|---|---|
| h(m) | E(lx) | D(m) |
| 1 | 4443 | 0.52 |
| 2 | 1111 | 1.04 |
| 3 | 494 | 1.56 |
| 4 | 278 | 2.08 |
| 5 | 178 | 2.60 |

**[3]Continuous Line I/O $H_2O$ Stop Fast Connect** - Wiring diagram n.11 page 670 / Esquema eléctrico n.º 11, pág. 670

| 2200K | 2700K | 3000K | 4000K |
|---|---|---|---|
| ○ F021C17D001 | ○ F021C27D001 | ○ F021C37D001 | ○ F021C47D001 |
| ● F021C17D006 | ● F021C27D006 | ● F021C37D006 | ● F021C47D006 |
| ● F021C17D012 | ● F021C27D012 | ● F021C37D012 | ● F021C47D012 |
| ● F021C17D018 | ● F021C27D018 | ● F021C37D018 | ● F021C47D018 |
| ● F021C17D030 | ● F021C27D030 | ● F021C37D030 | ● F021C47D030 |
| ● F021C17D033 | ● F021C27D033 | ● F021C37D033 | ● F021C47D033 |

**[2]Quick Install I $H_2O$ Stop Fast Connect** - Wiring diagram n.10 page 670 / Esquema eléctrico n.º 10, pág. 670

| 2200K | 2700K | 3000K | 4000K |
|---|---|---|---|
| ○ F021B1CD001 | ○ F021B2CD001 | ○ F021B3CD001 | ○ F021B4CD001 |
| ● F021B1CD006 | ● F021B2CD006 | ● F021B3CD006 | ● F021B4CD006 |
| ● F021B1CD012 | ● F021B2CD012 | ● F021B3CD012 | ● F021B4CD012 |
| ● F021B1CD018 | ● F021B2CD018 | ● F021B3CD018 | ● F021B4CD018 |
| ● F021B1CD030 | ● F021B2CD030 | ● F021B3CD030 | ● F021B4CD030 |
| ● F021B1CD033 | ● F021B2CD033 | ● F021B3CD033 | ● F021B4CD033 |




@4000K

| Beam Angle: | 44° | |
|---|---|---|
| h(m) | E(lx) | D(m) |
| 1 | 2006 | 0.81 |
| 2 | 501 | 1.63 |
| 3 | 223 | 2.44 |
| 4 | 125 | 3.26 |
| 5 | 80 | 4.07 |

**[3]Continuous Line I/O $H_2O$ Stop Fast Connect** - Wiring diagram n.11 page 670 / Esquema eléctrico n.º 11, pág. 670

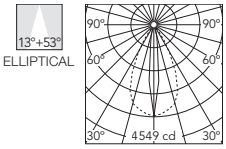
| 2200K | 2700K | 3000K | 4000K |
|---|---|---|---|
| ○ F021C1CD001 | ○ F021C2CD001 | ○ F021C3CD001 | ○ F021C4CD001 |
| ● F021C1CD006 | ● F021C2CD006 | ● F021C3CD006 | ● F021C4CD006 |
| ● F021C1CD012 | ● F021C2CD012 | ● F021C3CD012 | ● F021C4CD012 |
| ● F021C1CD018 | ● F021C2CD018 | ● F021C3CD018 | ● F021C4CD018 |
| ● F021C1CD030 | ● F021C2CD030 | ● F021C3CD030 | ● F021C4CD030 |
| ● F021C1CD033 | ● F021C2CD033 | ● F021C3CD033 | ● F021C4CD033 |

[2]Quick Install In $H_2O$ Stop Version: prewired $H_2O$ Stop Plug&Play connector for an easy/rapid connection (connecting accessory to be ordered separately) / conector $H_2O$ Stop Plug&Play preinstalado para la conexión rápida (se deben comprar los accesorios para la conexión).

[3]Continous Line In/Out $H_2O$ Stop Version: prewired $H_2O$ Stop Plug&Play connectors for an easy in line connection (connecting accessory to be ordered separately) / conectores $H_2O$ Stop Plug&Play preinstalados para la conexión en linea (se deben comprar los accesorios para la conexión).

**[2]Quick Install I $H_2O$ Stop Fast Connect** - Wiring diagram n.10 page 670 / Esquema eléctrico n.º 10, pág. 670

| 2200K | 2700K | 3000K | 4000K |
|---|---|---|---|
| ○ F021B1GD001 | ○ F021B2GD001 | ○ F021B3GD001 | ○ F021B4GD001 |
| ● F021B1GD006 | ● F021B2GD006 | ● F021B3GD006 | ● F021B4GD006 |
| ● F021B1GD012 | ● F021B2GD012 | ● F021B3GD012 | ● F021B4GD012 |
| ● F021B1GD018 | ● F021B2GD018 | ● F021B3GD018 | ● F021B4GD018 |
| ● F021B1GD030 | ● F021B2GD030 | ● F021B3GD030 | ● F021B4GD030 |
| ● F021B1GD033 | ● F021B2GD033 | ● F021B3GD033 | ● F021B4GD033 |




@4000K

Beam Angle: 53°

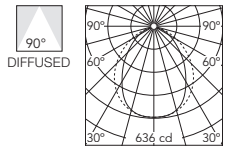
| h(m) | E(lx) | D(m) |
|---|---|---|
| 1 | 4549 | 0.22 |
| 2 | 1137 | 0.44 |
| 3 | 505 | 0.66 |
| 4 | 284 | 0.88 |
| 5 | 182 | 1.10 |

**[3]Continuous Line I/O $H_2O$ Stop Fast Connect** - Wiring diagram n.11 page 670 / Esquema eléctrico n.º 11, pág. 670

| 2200K | 2700K | 3000K | 4000K |
|---|---|---|---|
| ○ F021C1GD001 | ○ F021C2GD001 | ○ F021C3GD001 | ○ F021C4GD001 |
| ● F021C1GD006 | ● F021C2GD006 | ● F021C3GD006 | ● F021C4GD006 |
| ● F021C1GD012 | ● F021C2GD012 | ● F021C3GD012 | ● F021C4GD012 |
| ● F021C1GD018 | ● F021C2GD018 | ● F021C3GD018 | ● F021C4GD018 |
| ● F021C1GD030 | ● F021C2GD030 | ● F021C3GD030 | ● F021C4GD030 |
| ● F021C1GD033 | ● F021C2GD033 | ● F021C3GD033 | ● F021C4GD033 |

**[2]Quick Install I $H_2O$ Stop Fast Connect** - Wiring diagram n.10 page 670 / Esquema eléctrico n.º 10, pág. 670

| 2200K | 2700K | 3000K | 4000K |
|---|---|---|---|
| ○ F021B1LD001 | ○ F021B2LD001 | ○ F021B3LD001 | ○ F021B4LD001 |
| ● F021B1LD006 | ● F021B2LD006 | ● F021B3LD006 | ● F021B4LD006 |
| ● F021B1LD012 | ● F021B2LD012 | ● F021B3LD012 | ● F021B4LD012 |
| ● F021B1LD018 | ● F021B2LD018 | ● F021B3LD018 | ● F021B4LD018 |
| ● F021B1LD030 | ● F021B2LD030 | ● F021B3LD030 | ● F021B4LD030 |
| ● F021B1LD033 | ● F021B2LD033 | ● F021B3LD033 | ● F021B4LD033 |




@4000K

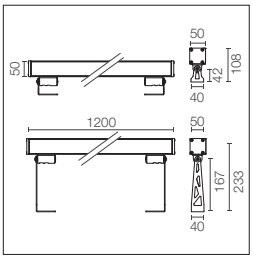
Beam Angle: 90°

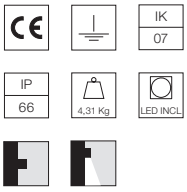
| h(m) | E(lx) | D(m) |
|---|---|---|
| 1 | 636 | 1.74 |
| 2 | 159 | 3.49 |
| 3 | 71 | 5.23 |
| 4 | 40 | 6.98 |
| 5 | 25 | 8.72 |

**[3]Continuous Line I/O $H_2O$ Stop Fast Connect** - Wiring diagram n.11 page 670 / Esquema eléctrico n.º 11, pág. 670

| 2200K | 2700K | 3000K | 4000K |
|---|---|---|---|
| ○ F021C1LD001 | ○ F021C2LD001 | ○ F021C3LD001 | ○ F021C4LD001 |
| ● F021C1LD006 | ● F021C2LD006 | ● F021C3LD006 | ● F021C4LD006 |
| ● F021C1LD012 | ● F021C2LD012 | ● F021C3LD012 | ● F021C4LD012 |
| ● F021C1LD018 | ● F021C2LD018 | ● F021C3LD018 | ● F021C4LD018 |
| ● F021C1LD030 | ● F021C2LD030 | ● F021C3LD030 | ● F021C4LD030 |
| ● F021C1LD033 | ● F021C2LD033 | ● F021C3LD033 | ● F021C4LD033 |

## Outgraze 50 L 1200 - Dimmable DALI



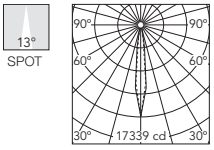

Integrated 120/240V power supply. Installation brackets, to be ordered separately. Extra clear transparent glass, excluding the DIFFUSE version with sandblasted glass. SMART dimmable DALI version available upon request (power 14W - flux -50% lm). 1-10V dimmable version upon request.

Fuente de alimentación de 120/240V integrada. Los soportes se deben pedir por separado. Vidrio transparente extra claro, excluida la versión DIFFUSED con vidrio arenado. Por encargo, la versión SMART regulable DALI (potencia 14W - flujo - 50% lm). Por encargo versión regulable 1-10V.

**Power Led:** 27W - 3338 lm ≠ *FIXT 2739 lm - 2700K/CRI 80 - 120-240V / 27W - 3458 lm ≠ *FIXT 2836 lm - 3000K/CRI 80 - 120-240 / 27W - 3577 lm ≠ *FIXT 2934 lm - 4000K/CRI 80 -120-240V
*FIXT lm = Medium Optic

**[2]Quick Install I $H_2O$ Stop Fast Connect** - Wiring diagram n.10 page 670 / Esquema eléctrico n.º 10, pág. 670

| 2200K | 2700K | 3000K | 4000K |
|---|---|---|---|
| ○ F021B14D001 | ○ F021B24D001 | ○ F021B34D001 | ○ F021B44D001 |
| ● F021B14D006 | ● F021B24D006 | ● F021B34D006 | ● F021B44D006 |
| ● F021B14D012 | ● F021B24D012 | ● F021B34D012 | ● F021B44D012 |
| ● F021B14D018 | ● F021B24D018 | ● F021B34D018 | ● F021B44D018 |
| ● F021B14D030 | ● F021B24D030 | ● F021B34D030 | ● F021B44D030 |
| ● F021B14D033 | ● F021B24D033 | ● F021B34D033 | ● F021B44D033 |




@4000K

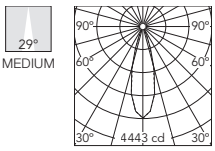
| Beam Angle: | 13° | |
|---|---|---|
| h(m) | E(lx) | D(m) |
| 1 | 17339 | 0.25 |
| 2 | 4335 | 0.49 |
| 3 | 1927 | 0.74 |
| 4 | 1084 | 0.98 |
| 5 | 694 | 1.23 |

**[3]Continuous Line I/O $H_2O$ Stop Fast Connect** - Wiring diagram n.11 page 670 / Esquema eléctrico n.º 11, pág. 670

| 2200K | 2700K | 3000K | 4000K |
|---|---|---|---|
| ○ F021C14D001 | ○ F021C24D001 | ○ F021C34D001 | ○ F021C44D001 |
| ● F021C14D006 | ● F021C24D006 | ● F021C34D006 | ● F021C44D006 |
| ● F021C14D012 | ● F021C24D012 | ● F021C34D012 | ● F021C44D012 |
| ● F021C14D018 | ● F021C24D018 | ● F021C34D018 | ● F021C44D018 |
| ● F021C14D030 | ● F021C24D030 | ● F021C34D030 | ● F021C44D030 |
| ● F021C14D033 | ● F021C24D033 | ● F021C34D033 | ● F021C44D033 |

**[2]Quick Install I $H_2O$ Stop Fast Connect** - Wiring diagram n.10 page 670 / Esquema eléctrico n.º 10, pág. 670

| 2200K | 2700K | 3000K | 4000K |
|---|---|---|---|
| ○ F021B18D001 | ○ F021B28D001 | ○ F021B38D001 | ○ F021B48D001 |
| ● F021B18D006 | ● F021B28D006 | ● F021B38D006 | ● F021B48D006 |
| ● F021B18D012 | ● F021B28D012 | ● F021B38D012 | ● F021B48D012 |
| ● F021B18D018 | ● F021B28D018 | ● F021B38D018 | ● F021B48D018 |
| ● F021B18D030 | ● F021B28D030 | ● F021B38D030 | ● F021B48D030 |
| ● F021B18D033 | ● F021B28D033 | ● F021B38D033 | ● F021B48D033 |




@4000K

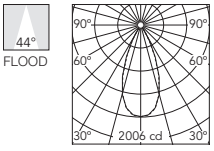
| Beam Angle: | 29° | |
|---|---|---|
| h(m) | E(lx) | D(m) |
| 1 | 4443 | 0.52 |
| 2 | 1111 | 1.04 |
| 3 | 494 | 1.56 |
| 4 | 278 | 2.08 |
| 5 | 178 | 2.60 |

**[3]Continuous Line I/O $H_2O$ Stop Fast Connect** - Wiring diagram n.11 page 670 / Esquema eléctrico n.º 11, pág. 670

| 2200K | 2700K | 3000K | 4000K |
|---|---|---|---|
| ○ F021C18D001 | ○ F021C28D001 | ○ F021C38D001 | ○ F021C48D001 |
| ● F021C18D006 | ● F021C28D006 | ● F021C38D006 | ● F021C48D006 |
| ● F021C18D012 | ● F021C28D012 | ● F021C38D012 | ● F021C48D012 |
| ● F021C18D018 | ● F021C28D018 | ● F021C38D018 | ● F021C48D018 |
| ● F021C18D030 | ● F021C28D030 | ● F021C38D030 | ● F021C48D030 |
| ● F021C18D033 | ● F021C28D033 | ● F021C38D033 | ● F021C48D033 |

**[2]Quick Install I $H_2O$ Stop Fast Connect** - Wiring diagram n.10 page 670 / Esquema eléctrico n.º 10, pág. 670

| 2200K | 2700K | 3000K | 4000K |
|---|---|---|---|
| ○ F021B1DD001 | ○ F021B2DD001 | ○ F021B3DD001 | ○ F021B4DD001 |
| ● F021B1DD006 | ● F021B2DD006 | ● F021B3DD006 | ● F021B4DD006 |
| ● F021B1DD012 | ● F021B2DD012 | ● F021B3DD012 | ● F021B4DD012 |
| ● F021B1DD018 | ● F021B2DD018 | ● F021B3DD018 | ● F021B4DD018 |
| ● F021B1DD030 | ● F021B2DD030 | ● F021B3DD030 | ● F021B4DD030 |
| ● F021B1DD033 | ● F021B2DD033 | ● F021B3DD033 | ● F021B4DD033 |




@4000K

| Beam Angle: | 44° | |
|---|---|---|
| h(m) | E(lx) | D(m) |
| 1 | 2006 | 0.81 |
| 2 | 501 | 1.63 |
| 3 | 223 | 2.44 |
| 4 | 125 | 3.26 |
| 5 | 80 | 4.07 |

**[3]Continuous Line I/O $H_2O$ Stop Fast Connect** - Wiring diagram n.11 page 670 / Esquema eléctrico n.º 11, pág. 670

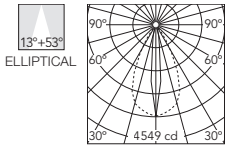
| 2200K | 2700K | 3000K | 4000K |
|---|---|---|---|
| ○ F021C1DD001 | ○ F021C2DD001 | ○ F021C3DD001 | ○ F021C4DD001 |
| ● F021C1DD006 | ● F021C2DD006 | ● F021C3DD006 | ● F021C4DD006 |
| ● F021C1DD012 | ● F021C2DD012 | ● F021C3DD012 | ● F021C4DD012 |
| ● F021C1DD018 | ● F021C2DD018 | ● F021C3DD018 | ● F021C4DD018 |
| ● F021C1DD030 | ● F021C2DD030 | ● F021C3DD030 | ● F021C4DD030 |
| ● F021C1DD033 | ● F021C2DD033 | ● F021C3DD033 | ● F021C4DD033 |

[2]Quick Install In $H_2O$ Stop Version: prewired $H_2O$ Stop Plug&Play connector for an easy/rapid connection (connecting accessory to be ordered separately) / conector $H_2O$ Stop Plug&Play preinstalado para la conexión rápida (se deben comprar los accesorios para la conexión).

[3]Continous Line In/Out $H_2O$ Stop Version: prewired $H_2O$ Stop Plug&Play connectors for an easy in line connection (connecting accessory to be ordered separately) / conectores $H_2O$ Stop Plug&Play preinstalados para la conexión en linea (se deben comprar los accesorios para la conexión).

**[2]Quick Install I $H_2O$ Stop Fast Connect** - Wiring diagram n.10 page 670 / Esquema eléctrico n.º 10, pág. 670

| 2200K | 2700K | 3000K | 4000K |
|---|---|---|---|
| ○ F021B1HD001 | ○ F021B2HD001 | ○ F021B3HD001 | ○ F021B4HD001 |
| ● F021B1HD006 | ● F021B2HD006 | ● F021B3HD006 | ● F021B4HD006 |
| ● F021B1HD012 | ● F021B2HD012 | ● F021B3HD012 | ● F021B4HD012 |
| ● F021B1HD018 | ● F021B2HD018 | ● F021B3HD018 | ● F021B4HD018 |
| ● F021B1HD030 | ● F021B2HD030 | ● F021B3HD030 | ● F021B4HD030 |
| ● F021B1HD033 | ● F021B2HD033 | ● F021B3HD033 | ● F021B4HD033 |




@4000K

Beam Angle: 53°

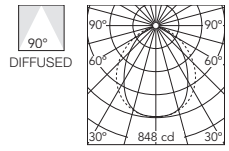
| h(m) | E(lx) | D(m) |
|---|---|---|
| 1 | 4549 | 0.22 |
| 2 | 1137 | 0.44 |
| 3 | 505 | 0.66 |
| 4 | 284 | 0.88 |
| 5 | 182 | 1.10 |

**[3]Continuous Line I/O $H_2O$ Stop Fast Connect** - Wiring diagram n.11 page 670 / Esquema eléctrico n.º 11, pág. 670

| 2200K | 2700K | 3000K | 4000K |
|---|---|---|---|
| ○ F021C1HD001 | ○ F021C2HD001 | ○ F021C3HD001 | ○ F021C4HD001 |
| ● F021C1HD006 | ● F021C2HD006 | ● F021C3HD006 | ● F021C4HD006 |
| ● F021C1HD012 | ● F021C2HD012 | ● F021C3HD012 | ● F021C4HD012 |
| ● F021C1HD018 | ● F021C2HD018 | ● F021C3HD018 | ● F021C4HD018 |
| ● F021C1HD030 | ● F021C2HD030 | ● F021C3HD030 | ● F021C4HD030 |
| ● F021C1HD033 | ● F021C2HD033 | ● F021C3HD033 | ● F021C4HD033 |

**[2]Quick Install I $H_2O$ Stop Fast Connect** - Wiring diagram n.10 page 670 / Esquema eléctrico n.º 10, pág. 670

| 2200K | 2700K | 3000K | 4000K |
|---|---|---|---|
| ○ F021B1MD001 | ○ F021B2MD001 | ○ F021B3MD001 | ○ F021B4MD001 |
| ● F021B1MD006 | ● F021B2MD006 | ● F021B3MD006 | ● F021B4MD006 |
| ● F021B1MD012 | ● F021B2MD012 | ● F021B3MD012 | ● F021B4MD012 |
| ● F021B1MD018 | ● F021B2MD018 | ● F021B3MD018 | ● F021B4MD018 |
| ● F021B1MD030 | ● F021B2MD030 | ● F021B3MD030 | ● F021B4MD030 |
| ● F021B1MD033 | ● F021B2MD033 | ● F021B3MD033 | ● F021B4MD033 |




@4000K

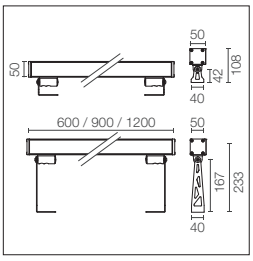
Beam Angle: 90°

| h(m) | E(lx) | D(m) |
|---|---|---|
| 1 | 848 | 1.74 |
| 2 | 212 | 3.49 |
| 3 | 94 | 5.23 |
| 4 | 53 | 6.98 |
| 5 | 34 | 8.72 |

**[3]Continuous Line I/O $H_2O$ Stop Fast Connect** - Wiring diagram n.11 page 670 / Esquema eléctrico n.º 11, pág. 670

| 2200K | 2700K | 3000K | 4000K |
|---|---|---|---|
| ○ F021C1MD001 | ○ F021C2MD001 | ○ F021C3MD001 | ○ F021C4MD001 |
| ● F021C1MD006 | ● F021C2MD006 | ● F021C3MD006 | ● F021C4MD006 |
| ● F021C1MD012 | ● F021C2MD012 | ● F021C3MD012 | ● F021C4MD012 |
| ● F021C1MD018 | ● F021C2MD018 | ● F021C3MD018 | ● F021C4MD018 |
| ● F021C1MD030 | ● F021C2MD030 | ● F021C3MD030 | ● F021C4MD030 |
| ● F021C1MD033 | ● F021C2MD033 | ● F021C3MD033 | ● F021C4MD033 |

## Outgraze 50 - RGB




IK 07 · IP 66 · 2,55 Kg L 600 · 3,30 Kg L 900 · 4,31 Kg L 1200 · LED INCL

Intergrated 120/240V power supply and DMX-RDM interface. Installation brackets, to be ordered separately. Sandblasted glass.

Alimentación eléctrica de 120/240V e interfaz DMX-RDM integrada. Los soportes se deben pedir por separado. Vidrio arenado.

**Power Led:** L600: 26W - 120-240V - DMX-RDM interface / L900: 37W - 120-240V - DMX-RDM interface / L1200: 48W - 120-240V - DMX-RDM interface

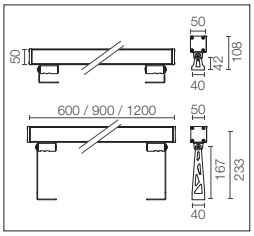
Wiring diagram n.12 page 670 / Esquema eléctrico n.º 12, pág. 670

| L 600 | L 900 | L 1200 |
|---|---|---|
| ○ F021MRKJ001 | ○ F021MRLJ001 | ○ F021MRMJ001 |
| ● F021MRKJ006 | ● F021MRLJ006 | ● F021MRMJ006 |
| ● F021MRKJ012 | ● F021MRLJ012 | ● F021MRMJ012 |
| ● F021MRKJ018 | ● F021MRLJ018 | ● F021MRMJ018 |
| ● F021MRKJ030 | ● F021MRLJ030 | ● F021MRMJ030 |
| ● F021MRKJ033 | ● F021MRLJ033 | ● F021MRMJ033 |

50° FLOOD

Photometric data on request.

## Outgraze 50 - RGBW




IK 07 · IP 66 · 2,55 Kg L 600 · 3,30 Kg L 900 · 4,31 Kg L 1200 · LED INCL

Intergrated 120/240V power supply and DMX-RDM interface. Installation brackets, to be ordered separately. Sandblasted glass.

Alimentación eléctrica de 120/240V e interfaz DMX-RDM integrada. Los soportes se deben pedir por separado. Vidrio arenado.

**Power Led:** L600: 24W - 120-240V - DMX-RDM interface / L900: 33W - 120-240V - DMX-RDM interface / L1200: 43W 120-240V - DMX-RDM interface

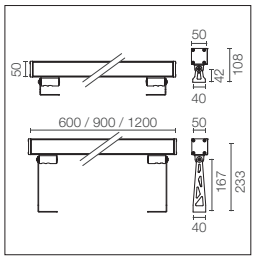
Wiring diagram n.12 page 670 / Esquema eléctrico n.º 12, pág. 670

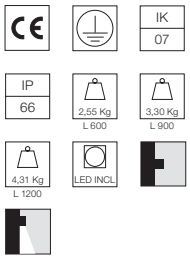
| L 600 | L 900 | L 1200 |
|---|---|---|
| ○ F021MWKJ001 | ○ F021MWLJ001 | ○ F021MWMJ001 |
| ● F021MWKJ006 | ● F021MWLJ006 | ● F021MWMJ006 |
| ● F021MWKJ012 | ● F021MWLJ012 | ● F021MWMJ012 |
| ● F021MWKJ018 | ● F021MWLJ018 | ● F021MWMJ018 |
| ● F021MWKJ030 | ● F021MWLJ030 | ● F021MWMJ030 |
| ● F021MWKJ033 | ● F021MWLJ033 | ● F021MWMJ033 |

50° FLOOD

Photometric data on request.

## Outgraze 50 - Tunable White DALI 2700K÷5700K




120/240V DALI intergrated power supply. Installation brackets, to be ordered separately.
Sandblasted glass.

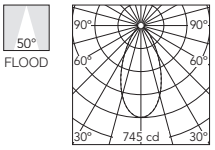
Fuente de alimentación DALI de 120/240V integrada. Los soportes se deben pedir por separado.
Vidrio arenado.

**Power Led:** L600: 13W - 1413 lm ≠ FIXT 722 lm - 2700K/CRI 80 - 120-240V / L900: 18,5W - 1669 lm ≠ FIXT 1082 lm - 2700K/CRI 80 - 120-240V / L1200: 23W - 2826 lm ≠ FIXT 1443 lm - 2700K/CRI 80 - 120-240V

[2]**Quick Install I $H_2O$ Stop Fast Connect** - Wiring diagram n.10 page 670 / Esquema eléctrico n.º 10, pág. 670

**L 600**

- ○ F021PTKD001
- ● F021PTKD006
- ● F021PTKD012
- ● F021PTKD018
- ● F021PTKD030
- ● F021PTKD033




@4000K

| Beam Angle: | | 50° |
|---|---|---|
| h(m) | E(lx) | D(m) |
| 1 | 745 | 0.94 |
| 2 | 186 | 1.88 |
| 3 | 83 | 2.82 |
| 4 | 47 | 3.77 |
| 5 | 30 | 4.71 |

[3]**Continuous Line I/O $H_2O$ Stop Fast Connect** - Wiring diagram n.11 page 670 / Esquema eléctrico n.º 11, pág. 670

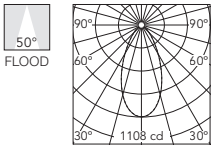
**L 600**

- ○ F021QTKD001
- ● F021QTKD006
- ● F021QTKD012
- ● F021QTKD018
- ● F021QTKD030
- ● F021QTKD033

[2]**Quick Install I $H_2O$ Stop Fast Connect** - Wiring diagram n.10 page 670 / Esquema eléctrico n.º 10, pág. 670

**L 900**

- ○ F021PTLD001
- ● F021PTLD006
- ● F021PTLD012
- ● F021PTLD018
- ● F021PTLD030
- ● F021PTLD033




@4000K

| Beam Angle: | | 50° |
|---|---|---|
| h(m) | E(lx) | D(m) |
| 1 | 1108 | 0.94 |
| 2 | 277 | 1.88 |
| 3 | 123 | 2.82 |
| 4 | 69 | 3.77 |
| 5 | 44 | 4.71 |

[3]**Continuous Line I/O $H_2O$ Stop Fast Connect** - Wiring diagram n.11 page 670 / Esquema eléctrico n.º 11, pág. 670

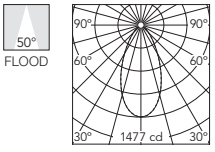
**L 900**

- ○ F021QTLD001
- ● F021QTLD006
- ● F021QTLD012
- ● F021QTLD018
- ● F021QTLD030
- ● F021QTLD033

[2]**Quick Install I $H_2O$ Stop Fast Connect** - Wiring diagram n.10 page 670 / Esquema eléctrico n.º 10, pág. 670

**L 1200**

- ○ F021PTMD001
- ● F021PTMD006
- ● F021PTMD012
- ● F021PTMD018
- ● F021PTMD030
- ● F021PTMD033




@4000K

| Beam Angle: | | 50° |
|---|---|---|
| h(m) | E(lx) | D(m) |
| 1 | 1477 | 0.94 |
| 2 | 369 | 1.88 |
| 3 | 164 | 2.82 |
| 4 | 92 | 3.77 |
| 5 | 59 | 4.71 |

[3]**Continuous Line I/O $H_2O$ Stop Fast Connect** - Wiring diagram n.11 page 670 / Esquema eléctrico n.º 11, pág. 670

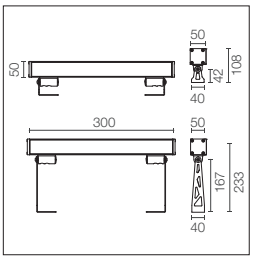
**L 1200**

- ○ F021QTMD001
- ● F021QTMD006
- ● F021QTMD012
- ● F021QTMD018
- ● F021QTMD030
- ● F021QTMD033

[2]Quick Install In $H_2O$ Stop Version: prewired $H_2O$ Stop Plug&Play connector for an easy/rapid connection (connecting accessory to be ordered separately) / conector $H_2O$ Stop Plug&Play preinstalado para la conexión rápida (se deben comprar los accesorios para la conexión).

[3]Continous Line In/Out $H_2O$ Stop Version: prewired $H_2O$ Stop Plug&Play connectors for an easy in line connection (connecting accessory to be ordered separately) / conectores $H_2O$ Stop Plug&Play preinstalados para la conexión en línea (se deben comprar los accesorios para la conexión).

## Outgraze 50 Easy L 300 - Non Dimmable




IK 07 · IP 66 · 0,80 Kg · LED INCL

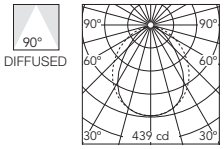
Integrated 220/240V power supply. Installation brackets, to be ordered separately. Sandblasted glass.

Fuente de alimentación de 220/240V integrada. Los soportes se deben pedir por separado.
Vidrio arenado.

**Mid-power Led:** 8W - 806 lm ≠ FIXT 310 lm - 2700K/CRI 80 - 220-240V / 8W - 876 lm ≠ FIXT 337 lm - 3000K/CRI 80 - 220-240V / 8W - 946 lm ≠ FIXT 364 lm - 4000K/CRI 80 - 220-240V

[1]**Standard** - Wiring diagram n.7 page 669 / Esquema eléctrico n.º 7, pág. 669

| 2700K | 3000K | 4000K |
|---|---|---|
| F021G2JA001 | F021G3JA001 | F021G4JA001 |
| F021G2JA006 | F021G3JA006 | F021G4JA006 |
| F021G2JA012 | F021G3JA012 | F021G4JA012 |
| F021G2JA018 | F021G3JA018 | F021G4JA018 |
| F021G2JA030 | F021G3JA030 | F021G4JA030 |
| F021G2JA033 | F021G3JA033 | F021G4JA033 |



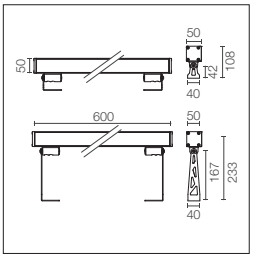

@4000K

| Beam Angle: | | 90° |
|---|---|---|
| h(m) | E(lx) | D(m) |
| 1 | 439 | 1.67 |
| 2 | 110 | 3.34 |
| 3 | 49 | 5.00 |
| 4 | 27 | 6.67 |
| 5 | 18 | 8.34 |

[2]**Quick Install I $H_2O$ Stop Fast Connect** - Wiring diagram n.8 page 669 / Esquema eléctrico n.º 8, pág. 669

| 2700K | 3000K | 4000K |
|---|---|---|
| F021H2JA001 | F021H3JA001 | F021H4JA001 |
| F021H2JA006 | F021H3JA006 | F021H4JA006 |
| F021H2JA012 | F021H3JA012 | F021H4JA012 |
| F021H2JA018 | F021H3JA018 | F021H4JA018 |
| F021H2JA030 | F021H3JA030 | F021H4JA030 |
| F021H2JA033 | F021H3JA033 | F021H4JA033 |

## Outgraze 50 Easy L 600 - Non Dimmable




IK 07 · IP 66 · 1,65 Kg · LED INCL

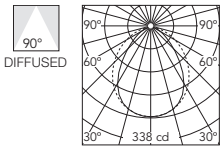
Integrated 220/240V power supply. Installation brackets, to be ordered separately. Sandblasted glass.

Fuente de alimentación de 220/240V integrada. Los soportes se deben pedir por separado.
Vidrio arenado.

**Mid-power Led:** 14,5W - 1612 lm ≠ FIXT 620 lm - 2700K/CRI 80 - 220-240V / 14,5W - 1752 lm ≠ FIXT 674 lm - 3000K/CRI 80 - 220-240V / 14,5W - 1892 lm ≠ FIXT 728 lm - 4000K/CRI 80 - 220-240V

[1]**Standard** - Wiring diagram n.7 page 669 / Esquema eléctrico n.º 7, pág. 669

| 2700K | 3000K | 4000K |
|---|---|---|
| F021G2KA001 | F021G3KA001 | F021G4KA001 |
| F021G2KA006 | F021G3KA006 | F021G4KA006 |
| F021G2KA012 | F021G3KA012 | F021G4KA012 |
| F021G2KA018 | F021G3KA018 | F021G4KA018 |
| F021G2KA030 | F021G3KA030 | F021G4KA030 |
| F021G2KA033 | F021G3KA033 | F021G4KA033 |




@4000K

| Beam Angle: | | 90° |
|---|---|---|
| h(m) | E(lx) | D(m) |
| 1 | 338 | 1.67 |
| 2 | 85 | 3.34 |
| 3 | 38 | 5.00 |
| 4 | 21 | 6.67 |
| 5 | 14 | 8.34 |

[2]**Quick Install I $H_2O$ Stop Fast Connect** - Wiring diagram n.8 page 669 / Esquema eléctrico n.º 8, pág. 669

| 2700K | 3000K | 4000K |
|---|---|---|
| F021H2KA001 | F021H3KA001 | F021H4KA001 |
| F021H2KA006 | F021H3KA006 | F021H4KA006 |
| F021H2KA012 | F021H3KA012 | F021H4KA012 |
| F021H2KA018 | F021H3KA018 | F021H4KA018 |
| F021H2KA030 | F021H3KA030 | F021H4KA030 |
| F021H2KA033 | F021H3KA033 | F021H4KA033 |

[3]**Continuous Line I/O $H_2O$ Stop Fast Connect** - Wiring diagram n.9 page 669 / Esquema eléctrico n.º 9, pág. 669

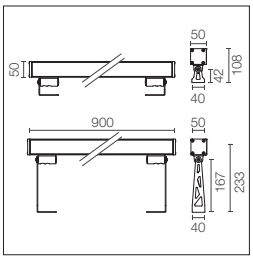
| 2700K | 3000K | 4000K |
|---|---|---|
| F021J2KA001 | F021J3KA001 | F021J4KA001 |
| F021J2KA006 | F021J3KA006 | F021J4KA006 |
| F021J2KA012 | F021J3KA012 | F021J4KA012 |
| F021J2KA018 | F021J3KA018 | F021J4KA018 |
| F021J2KA030 | F021J3KA030 | F021J4KA030 |
| F021J2KA033 | F021J3KA033 | F021J4KA033 |

[1]Standard Version: 1000 mm lenght prewired cable (connecting accessory to be separately ordered) / pieza de cable de salida 1000 mm (se deben comprar los accesorios para la conexión).

[2]Quick Install In $H_2O$ Stop Version: prewired $H_2O$ Stop Plug&Play connector for an easy/rapid connection (connecting accessory to be ordered separately) / conector $H_2O$ Stop Plug&Play preinstalado para la conexión rápida (se deben comprar los accesorios para la conexión).

[3]Continous Line In/Out $H_2O$ Stop Version: prewired $H_2O$ Stop Plug&Play connectors for an easy in line connection (connecting accessory to be ordered separately) / conectores $H_2O$ Stop Plug&Play preinstalados para la conexión en línea (se deben comprar los accesorios para la conexión).

## Outgraze 50 Easy L 900 - Non Dimmable




IP 66 | 3,30 Kg | IK 07 | LED INCL

Integrated 220/240V power supply. Installation brackets, to be ordered separately. Sandblasted glass.

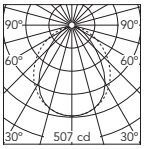
Fuente de alimentación de 220/240V integrada. Los soportes se deben pedir por separado.
Vidrio arenado.

**Mid-power Led:** 20W - 2418 lm ≠ FIXT 930 lm - 2700K/CRI 80 - 220-240V / 20W - 2628 lm ≠ FIXT 1011 lm - 3000K/CRI 80 - 220-240V / 20W - 2839 lm ≠ FIXT 1092 lm - 4000K/CRI 80 - 220-240V

[1]**Standard** - Wiring diagram n.7 page 669 / Esquema eléctrico n.º 7, pág. 669

| 2700K | 3000K | 4000K |
|---|---|---|
| F021G2LA001 | F021G3LA001 | F021G4LA001 |
| F021G2LA006 | F021G3LA006 | F021G4LA006 |
| F021G2LA012 | F021G3LA012 | F021G4LA012 |
| F021G2LA018 | F021G3LA018 | F021G4LA018 |
| F021G2LA030 | F021G3LA030 | F021G4LA030 |
| F021G2LA033 | F021G3LA033 | F021G4LA033 |

90° DIFFUSED




@4000K

| Beam Angle: | | 90° |
|---|---|---|
| h(m) | E(lx) | D(m) |
| 1 | 507 | 1.67 |
| 2 | 127 | 3.34 |
| 3 | 56 | 5.00 |
| 4 | 32 | 6.67 |
| 5 | 20 | 8.34 |

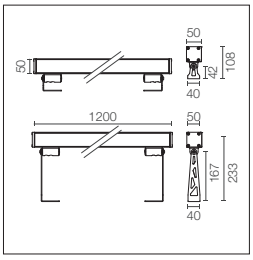
[2]**Quick Install I $H_2O$ Stop Fast Connect** - Wiring diagram n.8 page 669 / Esquema eléctrico n.º 8, pág. 669

| 2700K | 3000K | 4000K |
|---|---|---|
| F021H2LA001 | F021H3LA001 | F021H4LA001 |
| F021H2LA006 | F021H3LA006 | F021H4LA006 |
| F021H2LA012 | F021H3LA012 | F021H4LA012 |
| F021H2LA018 | F021H3LA018 | F021H4LA018 |
| F021H2LA030 | F021H3LA030 | F021H4LA030 |
| F021H2LA033 | F021H3LA033 | F021H4LA033 |

[3]**Continuous Line I/O $H_2O$ Stop Fast Connect** - Wiring diagram n.9 page 669 / Esquema eléctrico n.º 9, pág. 669

| 2700K | 3000K | 4000K |
|---|---|---|
| F021J2LA001 | F021J3LA001 | F021J4LA001 |
| F021J2LA006 | F021J3LA006 | F021J4LA006 |
| F021J2LA012 | F021J3LA012 | F021J4LA012 |
| F021J2LA018 | F021J3LA018 | F021J4LA018 |
| F021J2LA030 | F021J3LA030 | F021J4LA030 |
| F021J2LA033 | F021J3LA033 | F021J4LA033 |

## Outgraze 50 Easy L 1200 - Non Dimmable




IP 66 | 4,31 Kg | IK 07 | LED INCL

Integrated 220/240V power supply. Installation brackets, to be ordered separately. Sandblasted glass.

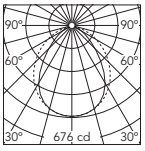
Fuente de alimentación de 220/240V integrada. Los soportes se deben pedir por separado.
Vidrio arenado.

**Mid-power Led:** 27W - 3224 lm ≠ FIXT 1240 lm - 2700K/CRI 80 - 220-240V / 27W - 3505 lm ≠ FIXT 1348 lm - 3000K/CRI 80 - 220-240V / 27W - 3785 lm ≠ FIXT 1456 lm - 4000K/CRI 80 - 220-240V

[1]**Standard** - Wiring diagram n.7 page 669 / Esquema eléctrico n.º 7, pág. 669

| 2700K | 3000K | 4000K |
|---|---|---|
| F021G2MA001 | F021G3MA001 | F021G4MA001 |
| F021G2MA006 | F021G3MA006 | F021G4MA006 |
| F021G2MA012 | F021G3MA012 | F021G4MA012 |
| F021G2MA018 | F021G3MA018 | F021G4MA018 |
| F021G2MA030 | F021G3MA030 | F021G4MA030 |
| F021G2MA033 | F021G3MA033 | F021G4MA033 |

90° DIFFUSED




@4000K

| Beam Angle: | | 90° |
|---|---|---|
| h(m) | E(lx) | D(m) |
| 1 | 676 | 1.67 |
| 2 | 169 | 3.34 |
| 3 | 75 | 5.00 |
| 4 | 42 | 6.67 |
| 5 | 27 | 8.34 |

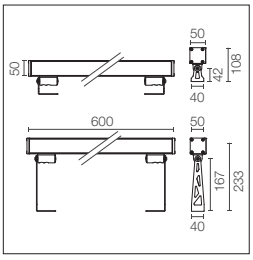
[2]**Quick Install I $H_2O$ Stop Fast Connect** - Wiring diagram n.8 page 669 / Esquema eléctrico n.º 8, pág. 669

| 2700K | 3000K | 4000K |
|---|---|---|
| F021H2MA001 | F021H3MA001 | F021H4MA001 |
| F021H2MA006 | F021H3MA006 | F021H4MA006 |
| F021H2MA012 | F021H3MA012 | F021H4MA012 |
| F021H2MA018 | F021H3MA018 | F021H4MA018 |
| F021H2MA030 | F021H3MA030 | F021H4MA030 |
| F021H2MA033 | F021H3MA033 | F021H4MA033 |

[3]**Continuous Line I/O $H_2O$ Stop Fast Connect** - Wiring diagram n.9 page 669 / Esquema eléctrico n.º 9, pág. 669

| 2700K | 3000K | 4000K |
|---|---|---|
| F021J2MA001 | F021J3MA001 | F021J4MA001 |
| F021J2MA006 | F021J3MA006 | F021J4MA006 |
| F021J2MA012 | F021J3MA012 | F021J4MA012 |
| F021J2MA018 | F021J3MA018 | F021J4MA018 |
| F021J2MA030 | F021J3MA030 | F021J4MA030 |
| F021J2MA033 | F021J3MA033 | F021J4MA033 |

## Outgraze 50 Easy L 600 - Dimmable DALI




IK 07 · IP 66 · 1,65 Kg · LED INCL

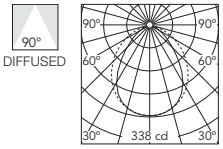
Integrated 120/240V power supply. Installation brackets, to be ordered separately. Sandblasted glass.

Fuente de alimentación de 120/240V integrada. Los soportes se deben pedir por separado.
Vidrio arenado.

**Mid-power Led:** 14,5W - 1440 lm ≠ FIXT 1106 lm - 2700K/CRI 80 - 120-240V / 14,5W - 1560 lm ≠ FIXT 1198 lm - 3000K/CRI 80 - 120-240V / 14,5W - 1680 lm ≠ FIXT 1290 lm - 4000K/CRI 80 - 120-240V

[2]**Quick Install I $H_2O$ Stop Fast Connect** - Wiring diagram n.10 pág. 670 / Esquema eléctrico n.º 10, pág. 670

| 2700K | 3000K | 4000K |
|---|---|---|
| ○ F021G2KD001 | ○ F021G3KD001 | ○ F021G4KD001 |
| ● F021G2KD006 | ● F021G3KD006 | ● F021G4KD006 |
| ● F021G2KD012 | ● F021G3KD012 | ● F021G4KD012 |
| ● F021G2KD018 | ● F021G3KD018 | ● F021G4KD018 |
| ● F021G2KD030 | ● F021G3KD030 | ● F021G4KD030 |
| ● F021G2KD033 | ● F021G3KD033 | ● F021G4KD033 |




Beam Angle: 90°

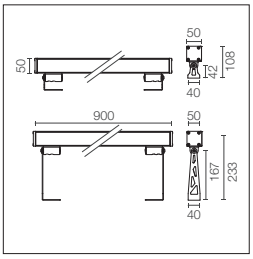
| h(m) | E(lx) | D(m) |
|---|---|---|
| 1 | 338 | 1.67 |
| 2 | 85 | 3.34 |
| 3 | 38 | 5.00 |
| 4 | 21 | 6.67 |
| 5 | 14 | 8.34 |

@4000K

[3]**Continuous Line I/O $H_2O$ Stop Fast Connect** - Wiring diagram n.11 pág. 670 / Esquema eléctrico n.º 11, pág. 670

| 2700K | 3000K | 4000K |
|---|---|---|
| ○ F021J2KD001 | ○ F021J3KD001 | ○ F021J4KD001 |
| ● F021J2KD006 | ● F021J3KD006 | ● F021J4KD006 |
| ● F021J2KD012 | ● F021J3KD012 | ● F021J4KD012 |
| ● F021J2KD018 | ● F021J3KD018 | ● F021J4KD018 |
| ● F021J2KD030 | ● F021J3KD030 | ● F021J4KD030 |
| ● F021J2KD033 | ● F021J3KD033 | ● F021J4KD033 |

## Outgraze 50 Easy L 900 - Dimmable DALI




IK 07 · IP 66 · 3,30 Kg · LED INCL

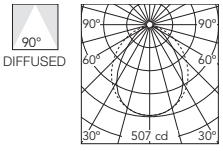
Integrated 120/240V power supply. Installation brackets, to be ordered separately. Sandblasted glass.

Fuente de alimentación de 120/240V integrada. Los soportes se deben pedir por separado.
Vidrio arenado.

**Mid-power Led:** 20W - 2418 lm ≠ FIXT 930 lm - 2700K/CRI 80 - 120-240V / 20W - 2628 lm ≠ FIXT 1011 lm - 3000K/CRI 80 - 120-240V / 20W - 2839 lm ≠ FIXT 1092 lm - 4000K/CRI 80 -120-240V

[2]**Quick Install I $H_2O$ Stop Fast Connect** - Wiring diagram n.10 pág. 670 / Esquema eléctrico n.º 10, pág. 670

| 2700K | 3000K | 4000K |
|---|---|---|
| ○ F021G2LD001 | ○ F021G3LD001 | ○ F021G4LD001 |
| ● F021G2LD006 | ● F021G3LD006 | ● F021G4LD006 |
| ● F021G2LD012 | ● F021G3LD012 | ● F021G4LD012 |
| ● F021G2LD018 | ● F021G3LD018 | ● F021G4LD018 |
| ● F021G2LD030 | ● F021G3LD030 | ● F021G4LD030 |
| ● F021G2LD033 | ● F021G3LD033 | ● F021G4LD033 |




Beam Angle: 90°

| h(m) | E(lx) | D(m) |
|---|---|---|
| 1 | 507 | 1.67 |
| 2 | 127 | 3.34 |
| 3 | 56 | 5.00 |
| 4 | 32 | 6.67 |
| 5 | 20 | 8.34 |

@4000K

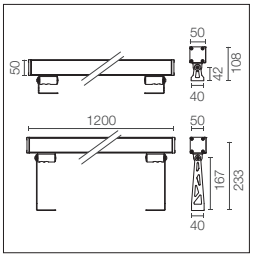
[3]**Continuous Line I/O $H_2O$ Stop Fast Connect** - Wiring diagram n.11 pág. 670 / Esquema eléctrico n.º 11, pág. 670

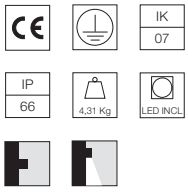
| 2700K | 3000K | 4000K |
|---|---|---|
| ○ F021J2LD001 | ○ F021J3LD001 | ○ F021J4LD001 |
| ● F021J2LD006 | ● F021J3LD006 | ● F021J4LD006 |
| ● F021J2LD012 | ● F021J3LD012 | ● F021J4LD012 |
| ● F021J2LD018 | ● F021J3LD018 | ● F021J4LD018 |
| ● F021J2LD030 | ● F021J3LD030 | ● F021J4LD030 |
| ● F021J2LD033 | ● F021J3LD033 | ● F021J4LD033 |

[2]Quick Install In $H_2O$ Stop Version: prewired $H_2O$ Stop Plug&Play connector for an easy/rapid connection (connecting accessory to be ordered separately) / conector $H_2O$ Stop Plug&Play preinstalado para la conexión rápida (se deben comprar los accesorios para la conexión).

[3]Continous Line In/Out $H_2O$ Stop Version: prewired $H_2O$ Stop Plug&Play connectors for an easy in line connection (connecting accessory to be ordered separately) / conectores $H_2O$ Stop Plug&Play preinstalados para la conexión en linea (se deben comprar los accesorios para la conexión).

## Outgraze 50 Easy L 1200 - Dimmable DALI



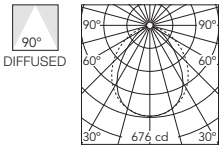

Integrated 120/240V power supply. Installation brackets, to be ordered separately. Sandblasted glass.

Fuente de alimentación de 120/240V integrada. Los soportes se deben pedir por separado.
Vidrio arenado.

**Power Led:** 27W - 3224 lm ≠ FIXT 1240 lm - 2700K/CRI 80 - 120-240V / 27W - 3505 lm ≠ FIXT 1348 lm - 3000K/CRI 80 - 120-240V / 27W - 3785 lm ≠ FIXT 1456 lm - 4000K/CRI 80 -120-240V

[2]**Quick Install I $H_2O$ Stop Fast Connect** - Wiring diagram n.10 pág. 670 / Esquema eléctrico n.º 10, pág. 670

| 2700K | 3000K | 4000K |
|---|---|---|
| ○ F021G2MD001 | ○ F021G3MD001 | ○ F021G4MD001 |
| ● F021G2MD006 | ● F021G3MD006 | ● F021G4MD006 |
| ● F021G2MD012 | ● F021G3MD012 | ● F021G4MD012 |
| ● F021G2MD018 | ● F021G3MD018 | ● F021G4MD018 |
| ● F021G2MD030 | ● F021G3MD030 | ● F021G4MD030 |
| ● F021G2MD033 | ● F021G3MD033 | ● F021G4MD033 |




@4000K

Beam Angle: 90°

| h(m) | E(lx) | D(m) |
|---|---|---|
| 1 | 676 | 1.67 |
| 2 | 169 | 3.34 |
| 3 | 75 | 5.00 |
| 4 | 42 | 6.67 |
| 5 | 27 | 8.34 |

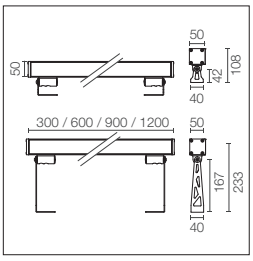
[3]**Continuous Line I/O $H_2O$ Stop Fast Connect** - Wiring diagram n.11 pág. 670 / Esquema eléctrico n.º 11, pág. 670

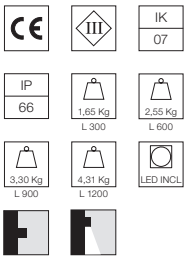
| 2700K | 3000K | 4000K |
|---|---|---|
| ○ F021J2MD001 | ○ F021J3MD001 | ○ F021J4MD001 |
| ● F021J2MD006 | ● F021J3MD006 | ● F021J4MD006 |
| ● F021J2MD012 | ● F021J3MD012 | ● F021J4MD012 |
| ● F021J2MD018 | ● F021J3MD018 | ● F021J4MD018 |
| ● F021J2MD030 | ● F021J3MD030 | ● F021J4MD030 |
| ● F021J2MD033 | ● F021J3MD033 | ● F021J4MD033 |

[2]Quick Install In $H_2O$ Stop Version: prewired $H_2O$ Stop Plug&Play connector for an easy/rapid connection (connecting accessory to be ordered separately) / conector $H_2O$ Stop Plug&Play preinstalado para la conexión rápida (se deben comprar los accesorios para la conexión).

[3]Continous Line In/Out $H_2O$ Stop Version: prewired $H_2O$ Stop Plug&Play connectors for an easy in line connection (connecting accessory to be ordered separately) / conectores $H_2O$ Stop Plug&Play preinstalados para la conexión en línea (se deben comprar los accesorios para la conexión).

## Outgraze 50 Easy - Tunable White DALI 2700K÷5700K



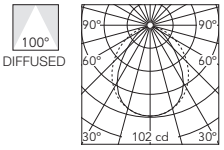




24V remote power supply and installation brackets to be ordered separately.
Sandblasted glass.

Alimentación remota 24V y soportes de instalación que se compran por separado.
Vidrio arenado.

**Mid-power Led:** L300: 6,5W - 572 lm ≠ FIXT 220 lm - 2700K/CRI 80 - 24V / L600: 11W - 1143 lm ≠ FIXT 440 lm - 2700K/CRI 80 - 24V / L900: 16W - 1715 lm ≠ FIXT 660 lm - 2700K/CRI 80 - 24V / L1200: 21W - 2286 lm ≠ FIXT 879 lm - 2700K/CRI 80 - 24V

**[2]Quick Install I $H_2O$ Stop Fast Connect** - Wiring diagram n.13 page 671 / Esquema eléctrico n.º 13, pág. 671
**L 300**
- F021KTJD001
- F021KTJD006
- F021KTJD012
- F021KTJD018
- F021KTJD030
- F021KTJD033

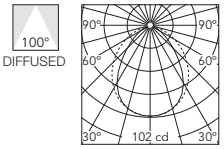



Beam Angle: 100°

| h(m) | E(lx) | D(m) |
|---|---|---|
| 1 | 102 | 1.67 |
| 2 | 26 | 3.34 |
| 3 | 12 | 5.00 |
| 4 | 7 | 6.67 |
| 5 | 4 | 8.34 |

@4000K

**[2]Quick Install I $H_2O$ Stop Fast Connect** - Wiring diagram n.13 page 671 / Esquema eléctrico n.º 13, pág. 671
**L 600**
- F021KTKD001
- F021KTKD006
- F021KTKD012
- F021KTKD018
- F021KTKD030
- F021KTKD033



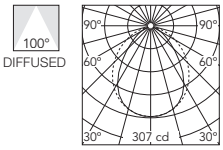

Beam Angle: 100°

| h(m) | E(lx) | D(m) |
|---|---|---|
| 1 | 204 | 1.67 |
| 2 | 51 | 3.34 |
| 3 | 23 | 5.00 |
| 4 | 13 | 6.67 |
| 5 | 8 | 8.34 |

@4000K

**[3]Continuous Line I/O $H_2O$ Stop Fast Connect** - Wiring diagram n.14 page 671 / Esquema eléctrico n.º 14, pág. 671
**L 600**
- F021LTKD001
- F021LTKD006
- F021LTKD012
- F021LTKD018
- F021LTKD030
- F021LTKD033

**[2]Quick Install I $H_2O$ Stop Fast Connect** - Wiring diagram n.13 page 671 / Esquema eléctrico n.º 13, pág. 671
**L 900**
- F021KTLD001
- F021KTLD006
- F021KTLD012
- F021KTLD018
- F021KTLD030
- F021KTLD033



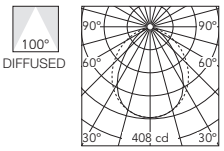

Beam Angle: 100°

| h(m) | E(lx) | D(m) |
|---|---|---|
| 1 | 307 | 1.67 |
| 2 | 77 | 3.34 |
| 3 | 34 | 5.00 |
| 4 | 19 | 6.67 |
| 5 | 12 | 8.34 |

@4000K

**[3]Continuous Line I/O $H_2O$ Stop Fast Connect** - Wiring diagram n.14 page 671 / Esquema eléctrico n.º 14, pág. 671
**L 900**
- F021LTLD001
- F021LTLD006
- F021LTLD012
- F021LTLD018
- F021LTLD030
- F021LTLD033

**[2]Quick Install I $H_2O$ Stop Fast Connect** - Wiring diagram n.13 page 671 / Esquema eléctrico n.º 13, pág. 671
**L 1200**
- F021KTMD001
- F021KTMD006
- F021KTMD012
- F021KTMD018
- F021KTMD030
- F021KTMD033




Beam Angle: 100°

| h(m) | E(lx) | D(m) |
|---|---|---|
| 1 | 408 | 1.67 |
| 2 | 102 | 3.34 |
| 3 | 45 | 5.00 |
| 4 | 26 | 6.67 |
| 5 | 16 | 8.34 |

@4000K

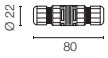
**[3]Continuous Line I/O $H_2O$ Stop Fast Connect** - Wiring diagram n.14 page 671 / Esquema eléctrico n.º 14, pág. 671
**L 1200**
- F021LTMD001
- F021LTMD006
- F021LTMD012
- F021LTMD018
- F021LTMD030
- F021LTMD033

[2]Quick Install In $H_2O$ Stop Version: prewired $H_2O$ Stop Plug&Play connector for an easy/rapid connection (connecting accessory to be ordered separately) / conector $H_2O$ Stop Plug&Play preinstalado para la conexión rápida (se deben comprar los accesorios para la conexión).

[3]Continous Line In/Out $H_2O$ Stop Version: prewired $H_2O$ Stop Plug&Play connectors for an easy in line connection (connecting accessory to be ordered separately) / conectores $H_2O$ Stop Plug&Play preinstalados para la conexión en línea (se deben comprar los accesorios para la conexión).

## Outgraze 50

### Accessories for all versions / Accesorios para todas las versiones

| | | | |
|---|---|---|---|
| One pair of short brackets L 80 mm. | Par de soportes cortos L 80 mm. | ○ F1203001<br>● F1203006<br>● F1203012<br>● F1203018<br>● F1203030<br>● F1203033 | |
| One pair of long brackets L 200 mm. | Par de soportes largos L 200mm. | ○ F1204001<br>● F1204006<br>● F1204012<br>● F1204018<br>● F1204030<br>● F1204033 | |
| 2 way terminal block 4 poles IP68 $H_2O$ Stop. (ø5,5÷12mm cable). | Bloque de terminales IP68 $H_2O$ Stop anticondensación con 2 vías y 4 polos. (Cable ø5,5÷12 mm). | F990C00A000 |   |
| 3/4 way terminal block 4 poles IP68 $H_2O$ Stop. (ø5,5÷12mm cable). | Bloque de terminales IP68 $H_2O$ Stop anticondensación con 3/4 vías y 4 polos. (Cable ø5,5÷12 mm). | F990C010000 | |
| Connector kit 5-pole flying socket + EU plug IP68. | Kit de conectores de 5 polos enchufe volante + enchufe UE IP68. | F990C080000 | |
| Cap for panel (on the fixtures) plug connector 4-5 poles. | Tapa para conector de panel (en el producto) de 4-5 polos. | F021Z070000 | |

## Outgraze 50

### Accessories for Non Dimmable (220-240V) and Easy Non Dimmable (220-240V) versions / Accesorios para las versiones Non Dimmable (220-240V) y Easy Non Dimmable (220-240V)

| | | | |
|---|---|---|---|
| Plug&play connector 4 poles. | Conector de 4 polos plug&play. | F021Z010000 | |
| Double plug&play connector 4 poles + cable 600 mm lenght. | Conector doble de 4 polos plug&play + cable L 600 mm. | F021Z020000 | |
| Plug&play connector 4 poles + cable 5000 mm lenght. | Conector de 4 polos plug&play + cable L 5000 mm. | F021Z030000 | |

## Outgraze 50

### Accessories for Quick Install I $H_2O$ Stop, Continuous Line I/O $H_2O$ Stop and Easy Tunable White (24V) versions / Accesorios para las versiones Quick Install I $H_2O$ Stop, Continuous Line I/O $H_2O$ Stop y 24V Easy Tunable White

| | | | |
|---|---|---|---|
| Plug&play connector 4 poles. | Conector de 4 polos plug&play. | F021Z010000 | |
| Double plug&play connector 4 poles + cable 600 mm lenght.<br>Class III. | Conector doble de 4 polos plug&play + cable L 600 mm.<br>Clase III. | F021Z090000 | |
| Plug&play connector 4 poles + cable 5000 mm lenght.<br>Class III. | Conector de 4 polos plug&play + cable L 5000 mm.<br>Clase III. | F021Z100000 | |

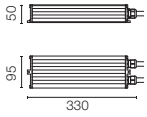
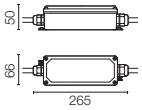
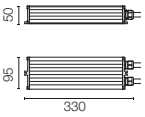
## Outgraze 50

### Accessories for Quick Install I H2O Stop, Continuous Line I/O H2O Stop Dimmable DALI, Easy Dimmable and Tunable White DALI (120-240V) versions / Accesorios para las versiones Quick Install I H2O Stop, Continuous Line I/O H2O Stop Dimmable DALI, Easy Dimmable y Tunable White DALI (120-240V)

| | | | |
|---|---|---|---|
| Plug&play connector 5 poles. | Conector de 5 polos plug&play. | F021Z040000 | |
| Plug&play connector 5 poles + cable 5000 mm lenght. | Conector de 5 polos plug&play + cable L 5000 mm. | F021Z060000 | |
| Double plug&play connector 5 poles + cable 600 mm lenght. | Conector doble de 5 polos plug&play + cable L 600 mm. | F021Z050000 | |
| 4 way junction box 5 poles IP68 (6-14 mm cables). | Caja de derivación de 5 polos y 4 vías IP68 (cables de 6-14 mm). | F990C030000 | |

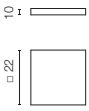
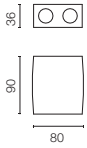
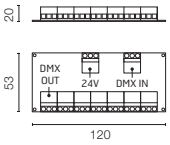
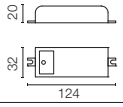
## Outgraze 50

### Powers supplies for Easy Tunable White DALI (24V) version / Transformadores para la versión Easy Tunable White DALI (24V)

| | | | | |
|---|---|---|---|---|
| Power supply for remote installation 24V DC 50W / 120-240V IP67 Class II selv. | Transformador para instalación remota 24V DC 50W / 120-240V IP67 Clase II selv. | F990B28A000 | |   |
| Power supply for remote installation 24V DC 70W / 220-240V IP67 Class II selv. | Transformador para instalación remota 24V DC 70W / 220-240V IP67 Clase II selv. | F990B27A000 | |   |
| Power supply for remote installation 24V DC 96W / 120-240V IP67 Class II selv. | Transformador para instalación remota 24V DC 96W / 120-240V IP67 Clase II selv. | F990B29A000 | |   |

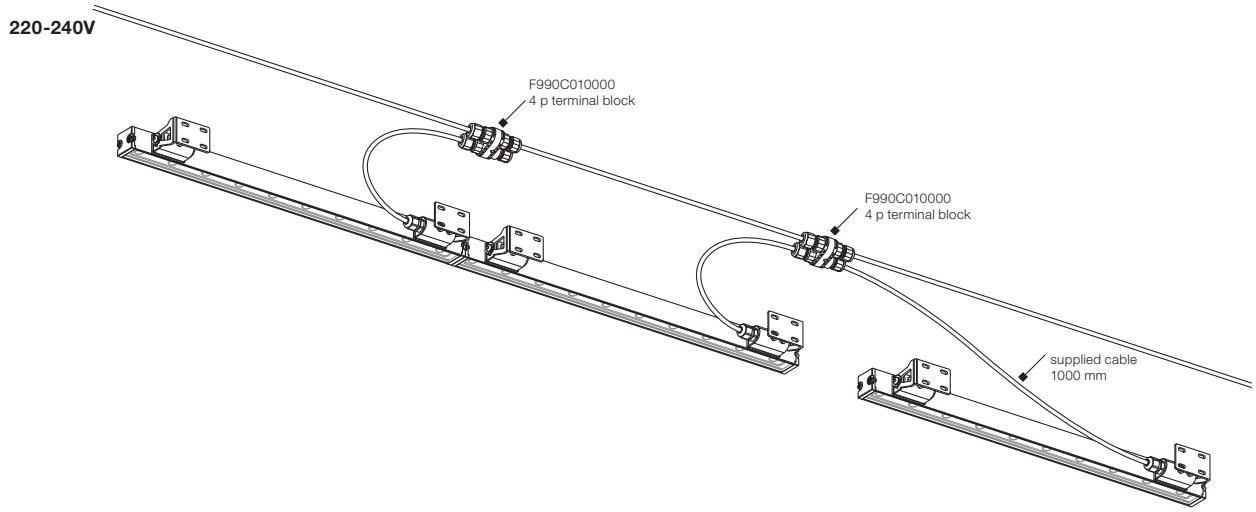
## Outgraze 50

### Accessories for RGB-RGBW management / Accesorios para la gestión RGB-RGBW

| | | | | |
|---|---|---|---|---|
| DMX controller; dimmer switch for recessed box (60mm hole centres). | Controlador DMX para cajas empotrables. (60 mm distancia entre agujeros). | F990B10A000 | |   |
| DMX controller; stand-alone/pc interface. | Controlador DMX. Interfaz stand/alone pc.. | F990B11A000 | |   |
| DMX splitter 512 - electronic device to regenerate the monodirectional DMX signal 1 Input and 7 output, 12-24Vdc. Power supply not included. | DMX splitter 512- dispositivo electrónico para regenerar la señal DMX monodireccional. 1 entrada y 7 salidas , 12-24 Vdc. Fuente de alimentación no incluida. | F990B13A000 | |   |
| Power supply 24V 10W /110-240V IP20 Class II selv. | Transformador 24V 10W / 110-240V IP20 Clase II selv. | RF25747 | |   |
| DMX cable - shielded twisted pair with 110 Ohm constant impedance. | Cable DMX apantallado con impedancia constante de 110 Ohm. | F990B12A000 | | |

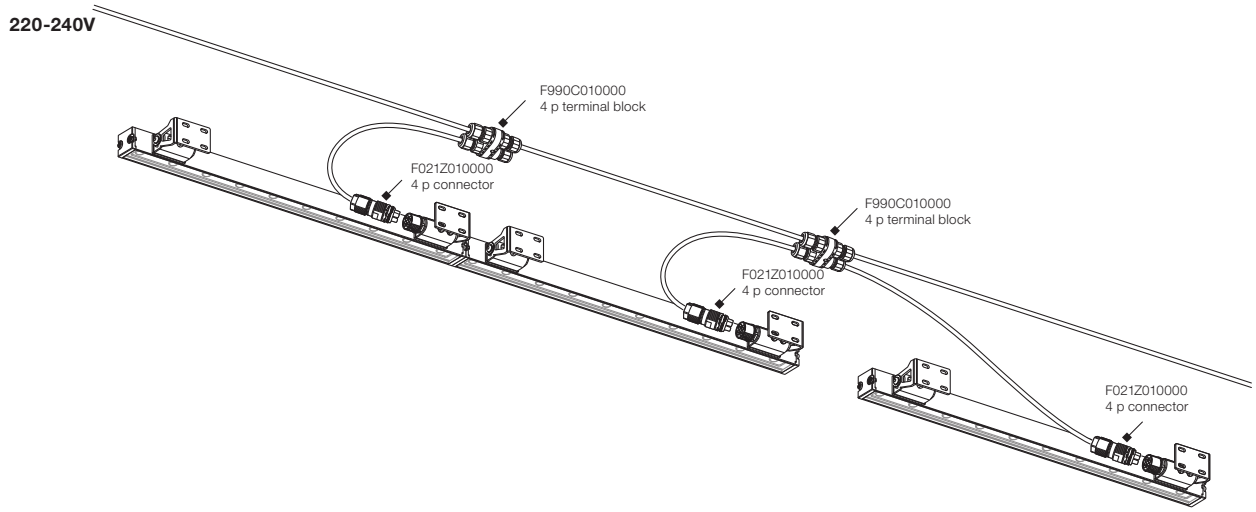
**Wiring diagram n.7 / Esquema eléctrico n.º7**

**Standard:** 1000 mm lenght prewired cable (connecting accessory to be separately ordered) / pieza de cable de salida 1000 mm (se deben comprar los accesorios para la conexión)



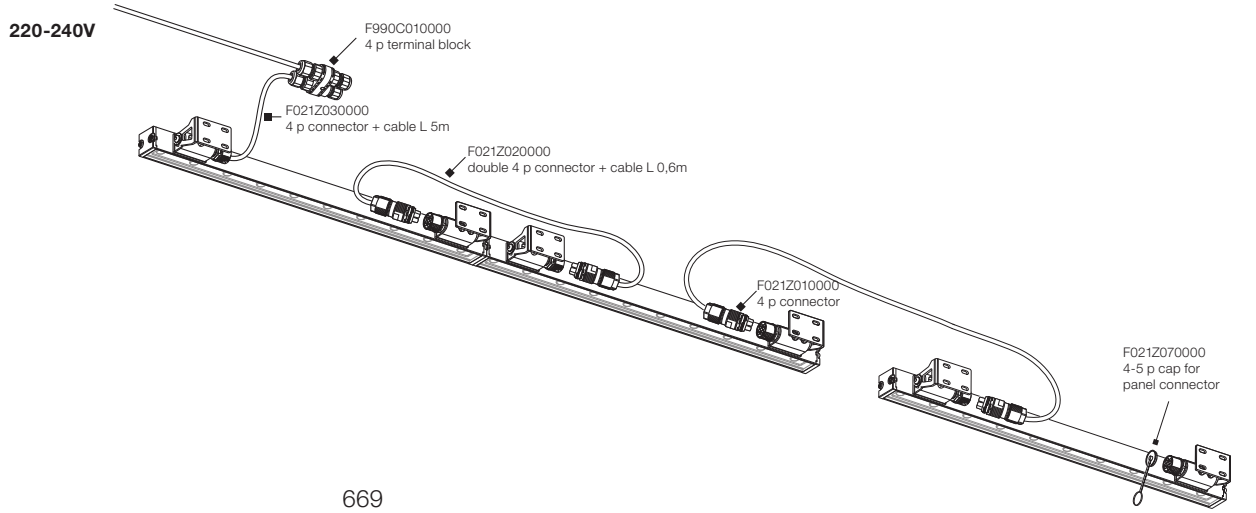

**Wiring diagram n.8 / Esquema eléctrico n.º8**

**Quick Install I $H_2O$ Stop Fast Connect:** prewired $H_2O$ Stop Plug&Play connector for an easy/rapid connection (connecting accessory to be ordered separately) / conector $H_2O$ Stop Plug&Play preinstalado para la conexión rápida (se deben comprar los accesorios para la conexión)




**Wiring diagram n.9 / Esquema eléctrico n.º9**

**Continous Line I/O $H_2O$ Stop Fast Connect:** prewired $H_2O$ Stop Plug&Play connectors for an easy in line connection (connecting accessory to be ordered separately) / conectores $H_2O$ Stop Plug&Play preinstalados para la conexión en línea (se deben comprar los accesorios para la conexión)



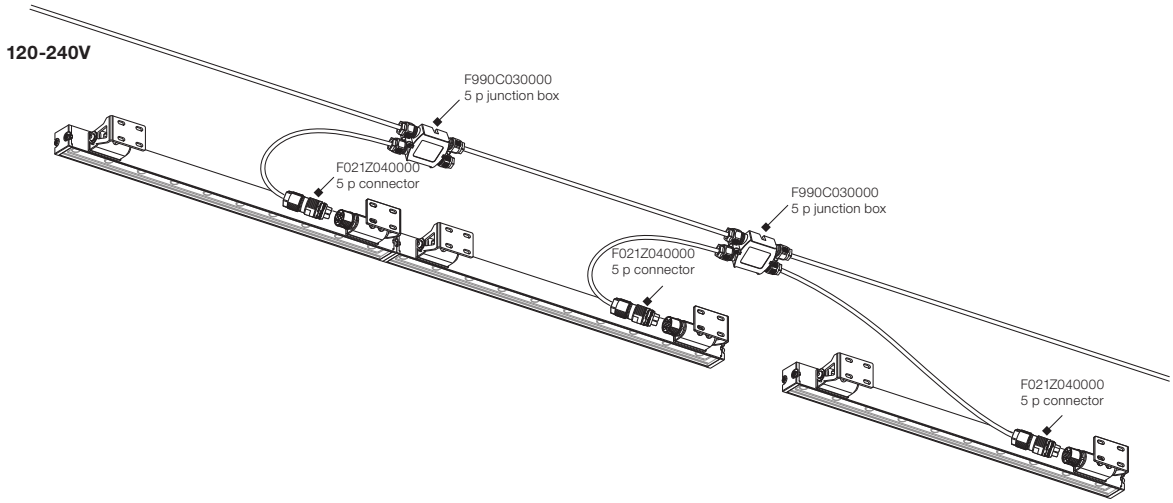
## Outgraze 50

## Standard Dimmable versions and Tunable White (120-240V) and Dimmable Easy versions

**For Dimmable and Tunable White versions**

**Wiring diagram n.10 / Esquema eléctrico n.º10**

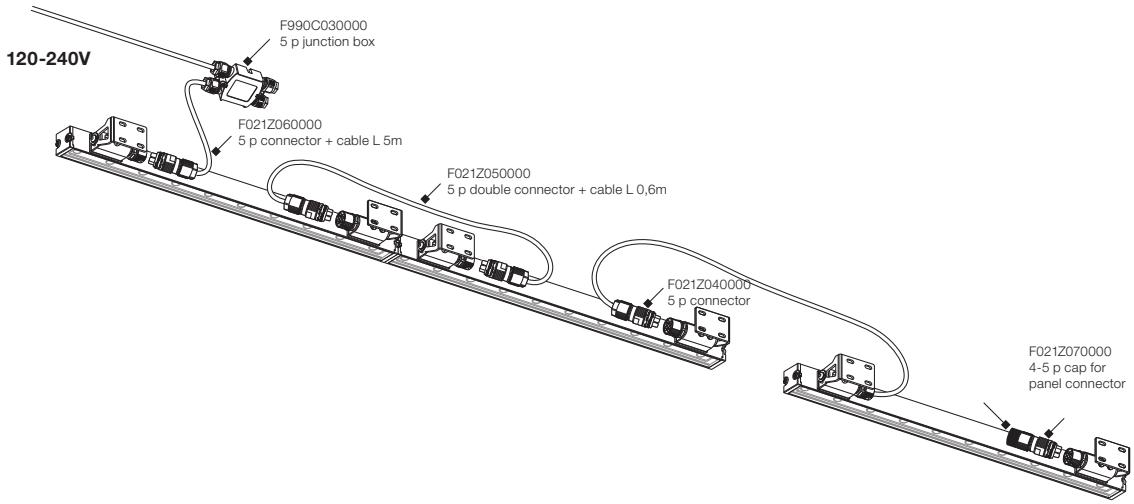
**Quick Install I $H_2O$ Stop:** prewired $H_2O$ Stop Plug&Play connector for an easy/rapid connection (connecting accessory to be ordered separately) / conector $H_2O$ Stop Plug&Play preinstalado para la conexión rápida (se deben comprar los accesorios para la conexión)




**For Dimmable and Tunable White versions**

**Wiring diagram n.11 / Esquema eléctrico n.º11**

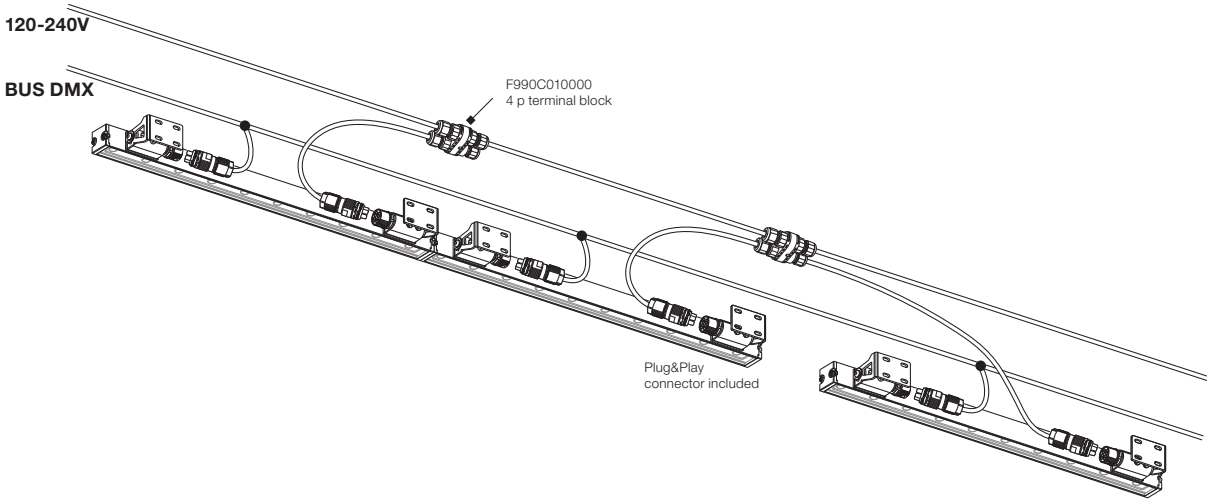
**Continous Line I/O $H_2O$ Stop Fast Connect:** prewired $H_2O$ Stop Plug&Play connectors for an easy in line connection (connecting accessory to be ordered separately) / conectores $H_2O$ Stop Plug&Play preinstalados para la conexión en línea (se deben comprar los accesorios para la conexión)




**For RGB-RGBW versions**

**Wiring diagram n.12 / Esquema eléctrico n.º12**

Prewired IP68 Plug&Play connectors / Conectores IP68 Plug&Play preinstalados

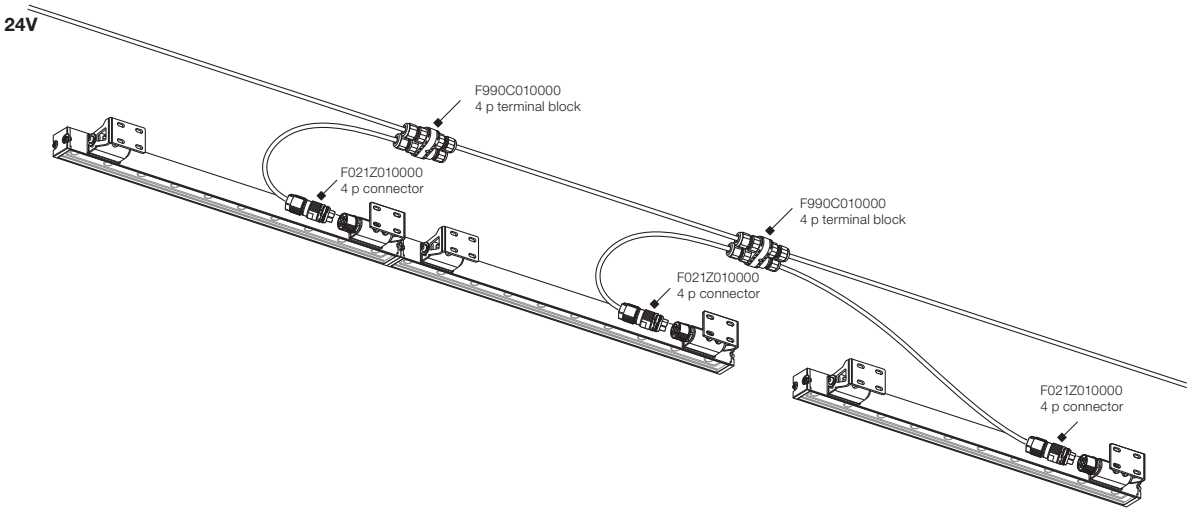


## Easy Tunable White 24V versions

**For Easy Tunable White versions**

**Wiring diagram n.13 / Esquema eléctrico n.º13**

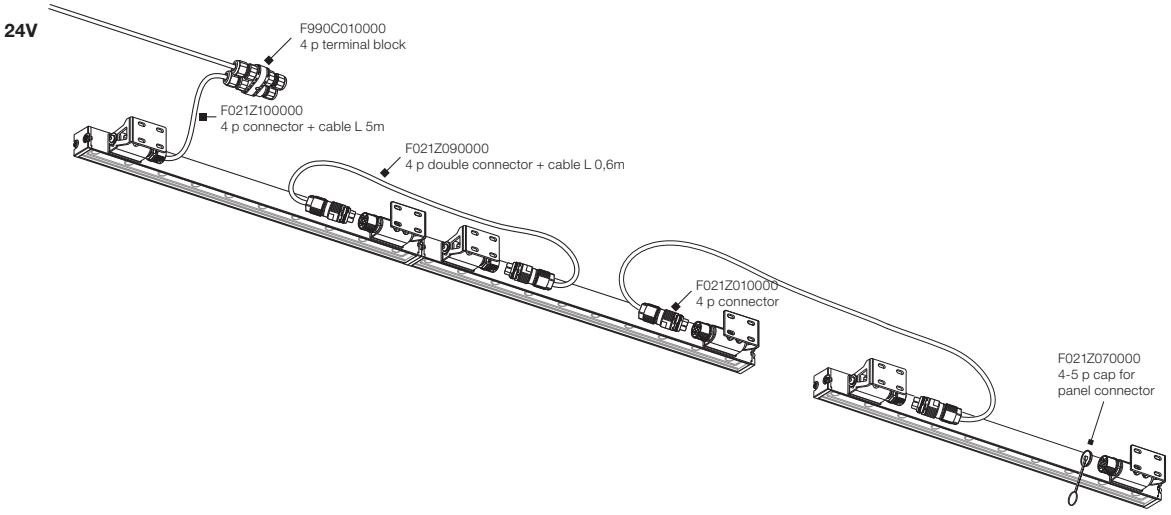
**Quick Install I $H_2O$ Stop Fast Connect:** prewired $H_2O$ Stop Plug&Play connector for an easy/rapid connection (connecting accessory to be ordered separately) / conector $H_2O$ Stop Plug&Play preinstalado para la conexión rápida (se deben comprar los accesorios para la conexión)



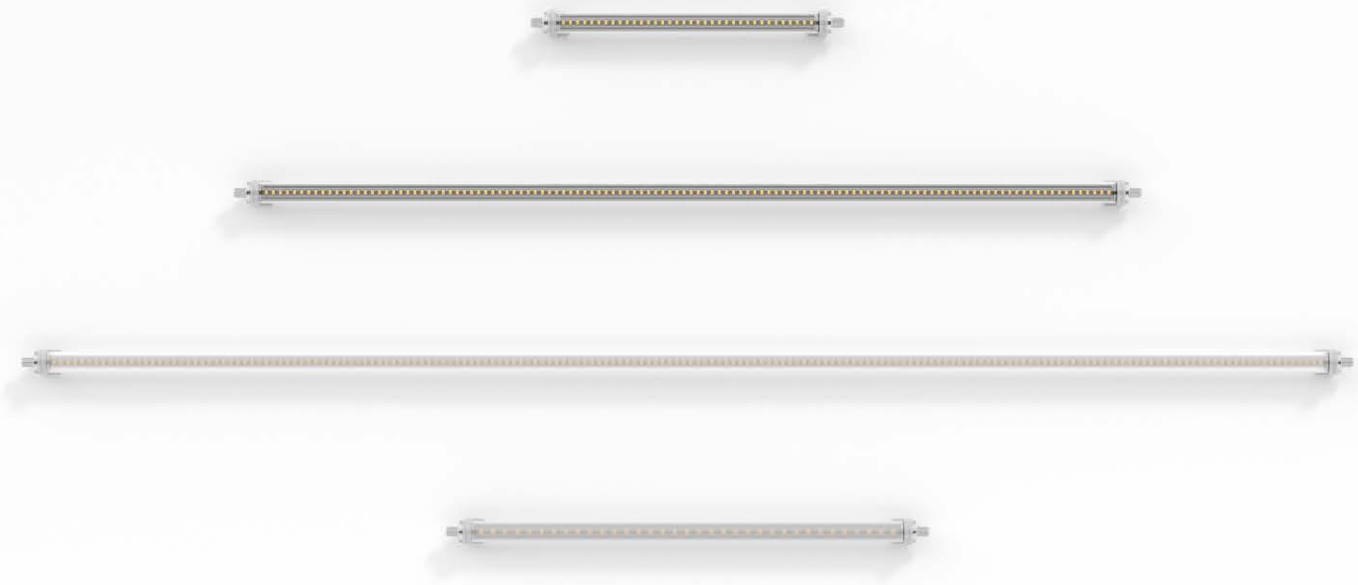

**For Easy Tunable White versions**

**Wiring diagram n.14 / Esquema eléctrico n.º14**

**Continous Line I/O $H_2O$ Stop Fast Connect:** prewired $H_2O$ Stop Plug&Play connectors for an easy in line connection (connecting accessory to be ordered separately) / conectores $H_2O$ Stop Plug&Play preinstalados para la conexión en línea (se deben comprar los accesorios para la conexión)



# Tau



Tau

## Tau L 354

**Low Power Led**
up to 3W
up to 231 lm - 2700K/CRI 80
up to 231 lm - 3000K/CRI 80
up to 231 lm - 4000K/CRI 80
* Net lumen output

## Tau Opal L 354

**Low Power Led**
up to 3W
up to 118 lm - 2700K/CRI 80
up to 118 lm - 3000K/CRI 80
up to 118 lm - 4000K/CRI 80
* Net lumen output

## Tau L 554

**Low Power Led**
up to 5W
up to 384 lm - 2700K/CRI 80
up to 384 lm - 3000K/CRI 80
up to 384 lm - 4000K/CRI 80
* Net lumen output

## Tau Opal L 554

**Low Power Led**
up to 5W
up to 196 lm - 2700K/CRI 80
up to 196 lm - 3000K/CRI 80
up to 196 lm - 4000K/CRI 80
* Net lumen output

## Tau L 1054

**Low Power Led**
up to 10W
up to 768 lm - 2700K/CRI 80
up to 768 lm - 3000K/CRI 80
up to 768 lm - 4000K/CRI 80
* Net lumen output

## Tau Opal L 1054

**Low Power Led**
up to 10W
up to 392 lm - 2700K/CRI 80
up to 392 lm - 3000K/CRI 80
up to 392 lm - 4000K/CRI 80
* Net lumen output

## Tau L 1554

**Low Power Led**
up to 15W
up to 1152 lm - 2700K/CRI 80
up to 1152 lm - 3000K/CRI 80
up to 1152 lm - 4000K/CRI 80
* Net lumen output

## Tau Opal L 1554

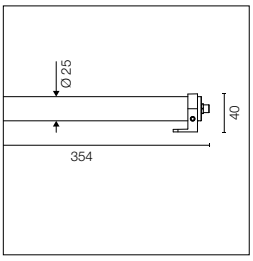
**Low Power Led**
up to 15W
up to 589 lm - 2700K/CRI 80
up to 589 lm - 3000K/CRI 80
up to 589 lm - 4000K/CRI 80
* Net lumen output

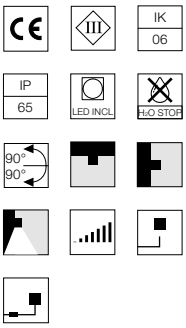
## Description / Descripción

Linear luminaire with LED light source, for installation on wall or ceiling. Polycarbonate tube structure with anti-UV filter. It is available in four lengths and opal or transparent finishes. Frosted polycarbonate fixing brackets and anodized aluminium closing caps. Equipped with screw connectors at the tube's ends which require the use of a feeding cable to be ordered separately. It is supplied with a 2 m cable for a direct connection to the power supply or two 8 cm or 20 cm cables for series connection. Maximum length for in series installation is 5 m. The 24 V dc luminaire is powered by a remote power supply to be ordered separately.

Luminaria lineal con fuente luminosa LED, para instalación en pared o en techo. Cuerpo formado por un tubo de policarbonato con filtro anti-UV, disponible en cuatro longitudes y con acabados opal o transparente. Bridas de fijación de policarbonato esmerilado y tapas de cierre de aluminio anodizado. Dotada de conectores a rosca en las extremidades del tubo que necesitan un cable de alimentación que se debe pedir por separado. Se acompaña de un cable de 2 m para la conexión directa a la fuente de alimentación o dos cables de 8 cm o de 20 cm para conexión en serie. La longitud máxima de la instalación en serie es de 5 m. La luminaria en 24 V dc necesita una fuente de alimentación remota que se debe pedir por separado.

## Tau L 354



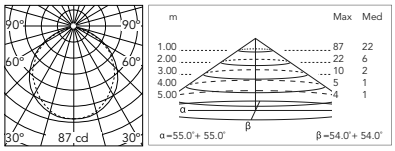




LED light source included. Screw connector at the tube's end. 24V dc remote electric power supply and individual or series feeding cables, to be ordered separately. Transparent polycarbonate diffuser. Adjustable light intensity.

Fuente LED Incluida. Conector a rosca en la extremidad del tubo. Fuente de alimentación eléctrica remota 24V dc y cables de alimentación, individual o en serie, que se deben pedir por separado. Difusor de policarbonato transparente Intensidad regulable.

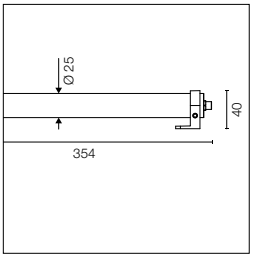
**Low - Power Led:** 3W - 255 lm ≠ OUTPUT 231 lm - 2700K/CRI 80 - 24Vdc / 3W - 255 lm ≠ OUTPUT 231 lm - 3000K/CRI 80 - 24Vdc / 3W - 255 lm ≠ OUTPUT 231 lm - 4000K/CRI 80 - 24Vdc

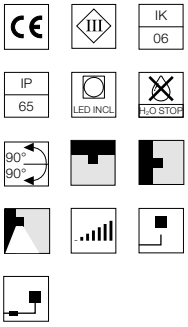
| **2700K** | **3000K** | **4000K** |
|---|---|---|
| FA523203 | FA523003 | FA523002.A |




@ 4000K

## Tau Opal L 354



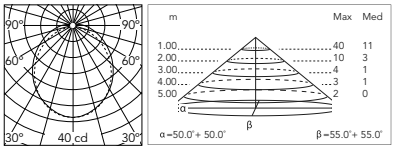




LED light source included. Screw connector at the tube's end. 24V dc remote electric power supply and individual or series feeding cables, to be ordered separately. Adjustable light intensity.
Opal polycarbonate diffuser. Adjustable light intensity.

Fuente LED Incluida. Conector a rosca en la extremidad del tubo. Fuente de alimentación eléctrica remota 24V dc y cables de alimentación, individual o en serie, que se deben pedir por separado. Intensidad regulable. Difusor de policarbonato opal Intensidad regulable.

**Low - Power Led:** 3W - 255 lm ≠ OUTPUT 118 lm - 2700K/CRI 80 - 24Vdc / 3W - 255 lm ≠ OUTPUT 118 lm - 3000K/CRI 80 - 24Vdc / 3W - 255 lm ≠ OUTPUT 118 lm - 4000K/CRI 80 - 24Vdc

| **2700K** | **3000K** | **4000K** |
|---|---|---|
| FA523213 | FA523013 | FA523012.A |




@ 4000K

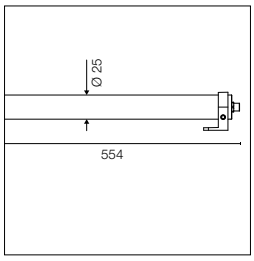
* Maximum number of luminaires per power supply / Número máximo de luminarias por fuente de alimentación.

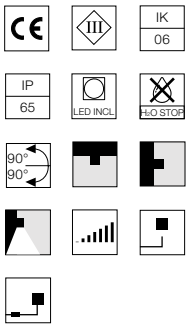
Maximum number of luminaires per power supply. (220÷240 V). These data must be checked taking into account the specific installation conditions.

Número máximo de luminarias por fuente de alimentación (220÷240 V). Estos datos deben ser comprobados teniendo en cuenta las condiciones específicas de instalación.

| | |
|---|---|
| Acc. RF25754 | 2 |
| Acc. RF25748 | 2 |
| Acc. RF25747 | 3 |
| Acc. RF25757 | 3 |
| Acc. RF25750 | 5 |
| Acc. F990B21A000 | 5 |
| Acc. RF26387.A | 5 |
| Acc. RF25752 | 6 |
| Acc. F990B28A000 | 16 |
| Acc. F990B27A000 | 22 |
| Acc. F990B29A000 | 30 |

## Tau L 554



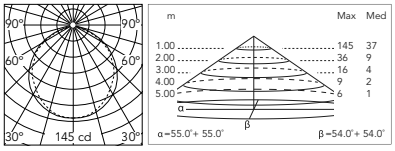




LED light source included. Screw connector at the tube's end. 24V dc remote electric power supply and individual or series feeding cables, to be ordered separately. Transparent polycarbonate diffuser. Adjustable light intensity.

Fuente LED Incluida. Conector a rosca en la extremidad del tubo. Fuente de alimentación eléctrica remota 24V dc y cables de alimentación, individual o en serie, que se deben pedir por separado. Difusor de policarbonato transparente Intensidad regulable.

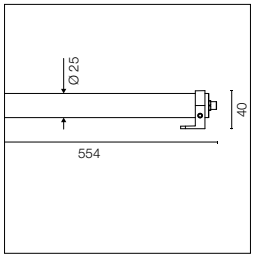
**Low - Power Led:** 5W - 420 lm ≠ OUTPUT 384 lm - 2700K/CRI 80 - 24Vdc / 5W - 420 lm ≠ OUTPUT 384 lm - 3000K/CRI 80 - 24Vdc / 5W - 420 lm ≠ OUTPUT 384 lm - 4000K/CRI 80 - 24Vdc

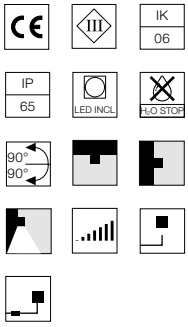
| **2700K** | **3000K** | **4000K** |
|---|---|---|
| FA523223 | FA523023 | FA523022.A |




@ 4000K

## Tau Opal L 554



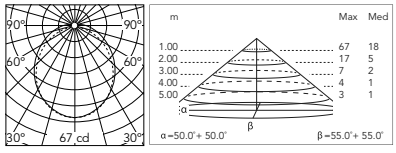




LED light source included. Screw connector at the tube's end. 24V dc remote electric power supply and individual or series feeding cables, to be ordered separately. Adjustable light intensity.
Opal polycarbonate diffuser. Adjustable light intensity.

Fuente LED Incluida. Conector a rosca en la extremidad del tubo. Fuente de alimentación eléctrica remota 24V dc y cables de alimentación, individual o en serie, que se deben pedir por separado. Intensidad regulable. Difusor de policarbonato opal Intensidad regulable.

**Low - Power Led:** 5W - 420 lm ≠ OUTPUT 196 lm - 2700K/CRI 80 - 24Vdc / 5W - 420 lm ≠ OUTPUT 196 lm - 3000K/CRI 80 - 24Vdc / 5W - 420 lm ≠ OUTPUT 196 lm - 4000K/CRI 80 - 24Vdc

| **2700K** | **3000K** | **4000K** |
|---|---|---|
| FA523233 | FA523033 | FA523032.A |




@ 4000K

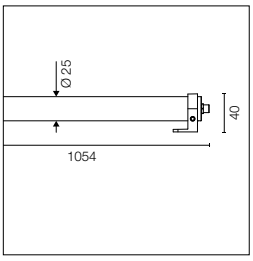
* Maximum number of luminaires per power supply / Número máximo de luminarias por fuente de alimentación.

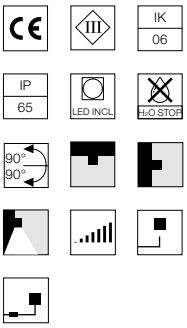
Maximum number of luminaires per power supply. (220÷240 V). These data must be checked taking into account the specific installation conditions.

Número máximo de luminarias por fuente de alimentación (220÷240 V). Estos datos deben ser comprobados teniendo en cuenta las condiciones específicas de instalación.

| | |
|---|---|
| Acc. RF25754 | 1 |
| Acc. RF25748 | 1 |
| Acc. RF25747 | 2 |
| Acc. RF25757 | 2 |
| Acc. RF25750 | 3 |
| Acc. F990B21A000 | 3 |
| Acc. RF26387.A | 3 |
| Acc. RF25752 | 4 |
| Acc. F990B28A000 | 10 |
| Acc. F990B27A000 | 14 |
| Acc. F990B29A000 | 18 |

## Tau L 1054



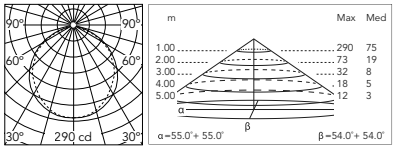




LED light source included. Screw connector at the tube's end. 24V dc remote electric power supply and individual or series feeding cables, to be ordered separately.
Transparent polycarbonate diffuser.
Adjustable light intensity.

Fuente LED Incluida. Conector a rosca en la extremidad del tubo. Fuente de alimentación eléctrica remota 24V dc y cables de alimentación, individual o en serie, que se deben pedir por separado.
Difusor de policarbonato transparente
Intensidad regulable.

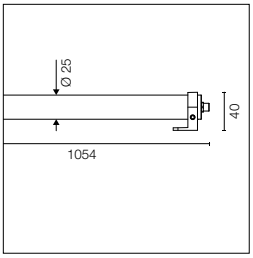
**Low - Power Led:** 10W - 840 lm ≠ OUTPUT 768 lm - 2700K/CRI 80 - 24Vdc / 10W - 840 lm ≠ OUTPUT 768 lm - 3000K/CRI 80 - 24Vdc / 10W - 840 lm ≠ OUTPUT 768 lm - 4000K/CRI 80 - 24Vdc

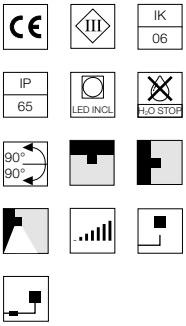
| **2700K** | **3000K** | **4000K** |
|---|---|---|
| FA523243 | FA523043 | FA523042.A |




@ 4000K

## Tau Opal L 1054



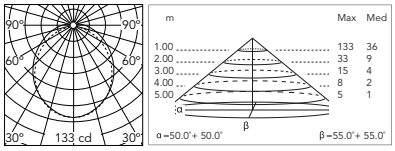




LED light source included. Screw connector at the tube's end. 24V dc remote electric power supply and individual or series feeding cables, to be ordered separately. Adjustable light intensity.
Opal polycarbonate diffuser.
Adjustable light intensity.

Fuente LED Incluida. Conector a rosca en la extremidad del tubo. Fuente de alimentación eléctrica remota 24V dc y cables de alimentación, individual o en serie, que se deben pedir por separado. Intensidad regulable.
Difusor de policarbonato opal
Intensidad regulable.

**Low - Power Led:** 10W - 840 lm ≠ OUTPUT 393 lm - 2700K/CRI 80 - 24Vdc / 10W - 840 lm ≠ OUTPUT 393 lm - 3000K/CRI 80 - 24Vdc / 10W - 840 lm ≠ OUTPUT 393 lm - 4000K/CRI 80 - 24Vdc

| **2700K** | **3000K** | **4000K** |
|---|---|---|
| FA523253 | FA523053 | FA523052.A |




@ 4000K

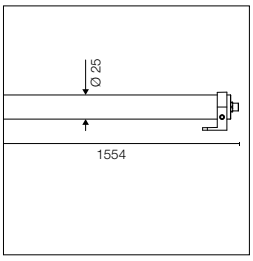
* Maximum number of luminaires per power supply / Número máximo de luminarias por fuente de alimentación.

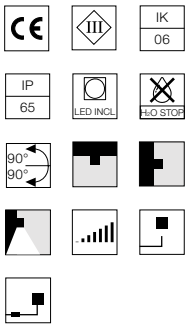
Maximum number of luminaires per power supply. (220÷240 V). These data must be checked taking into account the specific installation conditions.

Número máximo de luminarias por fuente de alimentación (220÷240 V). Estos datos deben ser comprobados teniendo en cuenta las condiciones específicas de instalación.

| | |
|---|---|
| Acc. RF25750 | 1 |
| Acc. F990B21A000 | 1 |
| Acc. RF26387.A | 1 |
| Acc. RF25752 | 2 |
| Acc. F990B28A000 | 5 |
| Acc. F990B27A000 | 7 |
| Acc. F990B29A000 | 9 |

## Tau L 1554



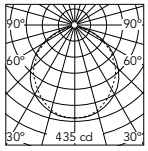



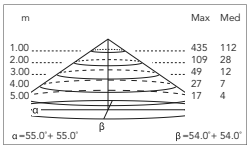

LED light source included.
Screw connector at the tube's end. 24V dc remote electric power supply and individual or series feeding cables, to be ordered separately.
Transparent polycarbonate diffuser.
Adjustable light intensity.

Fuente LED Incluida. Conector a rosca en la extremidad del tubo. Fuente de alimentación eléctrica remota 24V dc y cables de alimentación, individual o en serie, que se deben pedir por separado.
Difusor de policarbonato transparente
Intensidad regulable.

**Low - Power Led:** 15W - 1260 lm ≠ OUTPUT 1152 lm - 2700K/CRI 80 - 24Vdc / 15W - 1260 lm ≠ OUTPUT 1152 lm - 3000K/CRI 80 - 24Vdc / 15W - 41260 lm ≠ OUTPUT 1152 lm - 4000K/CRI 80 - 24Vdc

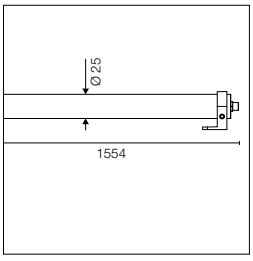
| **2700K** | **3000K** | **4000K** |
|---|---|---|
| FA523263 | FA523063 | FA523062.A |

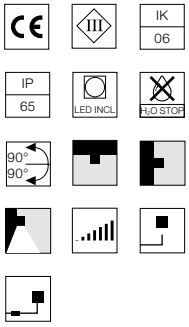



@ 4000K

## Tau Opal L 1554



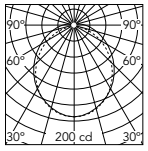



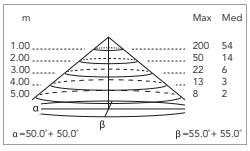

LED light source included.
Screw connector at the tube's end. 24V dc remote electric power supply and individual or series feeding cables, to be ordered separately. Adjustable light intensity.
Opal polycarbonate diffuser.
Adjustable light intensity.

Fuente LED Incluida. Conector a rosca en la extremidad del tubo. Fuente de alimentación eléctrica remota 24V dc y cables de alimentación, individual o en serie, que se deben pedir por separado. Intensidad regulable.
Difusor de policarbonato opal
Intensidad regulable.

**Low - Power Led:** 15W - 1260 lm ≠ OUTPUT 589 lm - 2700K/CRI 80 - 24Vdc / 15W - 1260 lm ≠ OUTPUT 589 lm - 3000K/CRI 80 - 24Vdc / 15W - 41260 lm ≠ OUTPUT 589 lm - 4000K/CRI 80 - 24Vdc

| **2700K** | **3000K** | **4000K** |
|---|---|---|
| FA523273 | FA523073 | FA523072.A |




@ 4000K

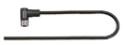
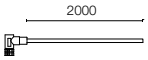
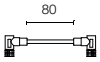
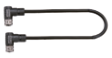
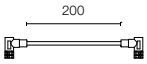
* Maximum number of luminaires per power supply / Número máximo de luminarias por fuente de alimentación.

Maximum number of luminaires per power supply. (220÷240 V). These data must be checked taking into account the specific installation conditions.

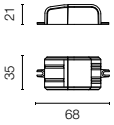
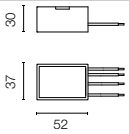
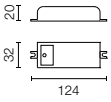
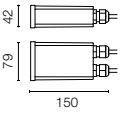
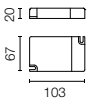
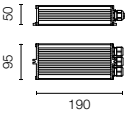
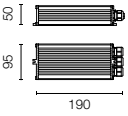
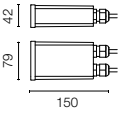
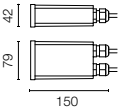
Número máximo de luminarias por fuente de alimentación (220÷240 V). Estos datos deben ser comprobados teniendo en cuenta las condiciones específicas de instalación.

| | |
|---|---|
| Acc. RF25750 | 1 |
| Acc. F990B21A000 | 1 |
| Acc. RF26387.A | 1 |
| Acc. RF25752 | 1 |
| Acc. F990B28A000 | 3 |
| Acc. F990B27A000 | 4 |
| Acc. F990B29A000 | 6 |

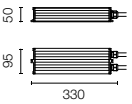
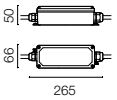
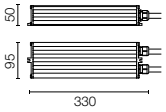
## Tau: Accessories / Accesorios

| | | | | |
|---|---|---|---|---|
| Supply cable L.2000mm<br>Single connector. | Cable de alimentación de 2000 mm.<br>Conector individual. | FA172 |  |  |
| Supply cable L.80mm<br>Double connector. | Cable de alimentación de 80mm<br>Conector doble. | FA173 | |  |
| Supply cable L.200mm<br>Double connector. | Cable de alimentación de 200mm<br>Conector doble. | FA174 |  |  |

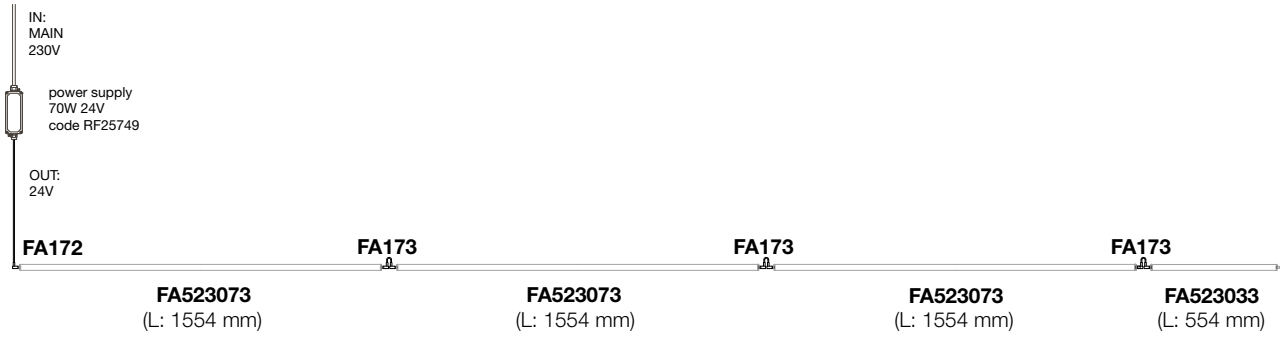
## Tau: Drivers / Equipos

| | | | | |
|---|---|---|---|---|
| Power supply dual function Vout 24Vdc: 8W/100÷240V Iout 350ma: 6x1W/100÷240V IP20 Class II Selv Eq. | Fuente de alimentación con función dual Vout 24Vdc: 8W/100÷240V Iout 350ma: 6x1W/100÷240V IP20 Clase II Selv Eq. | Tau L 554<br>*RF25754 | |  |
| Power supply 24V 8W / 110-240V IP65 Class II selv. | Transformador 24V 8W / 110-240V IP65 Clase II selv. | Tau L 554<br>*RF25748 | |  |
| Power supply 24V 10W /110-240V IP20 Class II selv. | Transformador 24V 10W / 110-240V IP20 Clase II selv. | Tau L 554<br>*RF25747 | |  |
| Power supply 24V 10W / 110-240V IP67 Class II selv. | Transformador 24V 10W / 110-240V IP67 Clase II selv. | Tau L 554<br>*RF25757 | |  |
| Power supply for remote installation 24Vdc 17W / 110-240V (15W@110V) IP20 Class II selv. | Transformador para instalación remota 24Vdc 17W / 110-240V (15W@110V) IP20 Clase II selv. | *RF25750<br>Dimmable Push-Dim Or 1-10V<br>See Wiring Diagram n.4. Page 876. | |  |
| Power supply 17W/110÷240V - 24Vdc (15W@110V) IP67 Class II Selv. | Transformador 17W/110÷240V - 24Vdc (15W@110V) IP67 Clase II Selv. | *F990B21A000<br>Dimmable Push-Dim Or 1-10V<br>See Wiring Diagram n.4. Page 876. | |  |
| Power supply for remote installation 24Vdc 20W / 110-240Vdc (15W@110V) IP67 Class II selv. | Transformador para instalación remota 24Vdc 20W / 110-240Vdc (15W@110V) IP67 Clase II selv. | *RF26387.A<br>Dimmable DALI<br>See Wiring Diagram n.4. Page 876. | |  |
| Power supply for remote installation 24Vdc 20W / 220-240V IP67 Class II selv. | Transformador para instalación remota 24Vdc 20W / 220-240V IP67 Clase II selv. | *RF25752 | |  |
| Power supply 24Vdc 35W / 120-270V IP67 Class II selv. | Fuente de alimentación 24Vdc 35W / 120-270V IP67 Clase II selv. | F990B23AZ00 | |  |

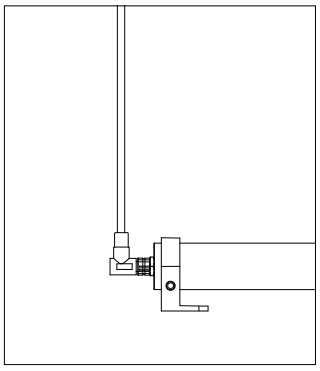
## Tau: Drivers / Equipos

| | | | | |
|---|---|---|---|---|
| Power supply for remote installation 24Vdc 50W / 120-240V IP67 Class II selv. | Transformador para instalación remota 24Vdc 50W / 120-240V IP67 Clase II selv. | *F990B28A000 | |   |
| Power supply for remote installation 24Vdc 70W / 220-240V IP67 Class II selv. | Transformador para instalación remota 24Vdc 70W / 220-240V IP67 Clase II selv. | *F990B27A000 | |   |
| Power supply for remote installation 24Vdc 96W / 120-240V IP67 Class II selv. | Transformador para instalación remota 24Vdc 96W / 120-240V IP67 Clase II selv. | *F990B29A000 | |   |

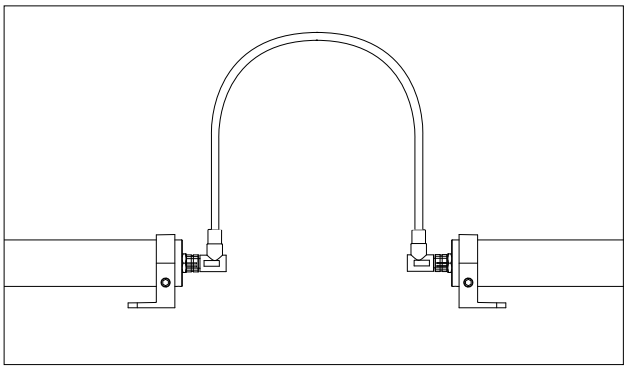
**Example of configuration / Ejemplo de configuración.**




Max length in continuous 5mt / Máxima longitud en línea continua 5 m.



Acc. FA172



Acc. FA173

## Cielo

Cielo

## Family / Familia

### Cielo L 645

**Power Led**
up to 16W
up to 1222 lm - 2700K/CRI 80
up to 1314 lm - 3000K/CRI 80
up to 1423 lm - 4000K/CRI 80
* Net lumen output
2200K available on request.

### Cielo L 1245

**Power Led**
up to 32W
up to 2444 lm - 2700K/CRI 80
up to 2628 lm - 3000K/CRI 80
up to 2847 lm - 4000K/CRI 80
* Net lumen output
2200K available on request.

### Cielo Opal L 645 RGB

**RGB - Power Led**
up to 26W
* Net lumen output

### Cielo Opal L 1245 RGB

**RGB - Power Led**
up to 48W
* Net lumen output

## Colours / Colores

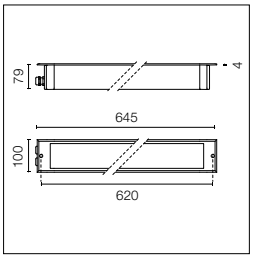
06 Grey

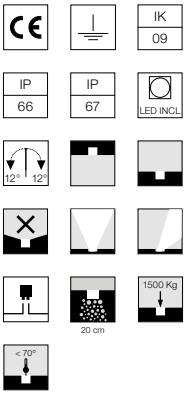
33 Anthracite

## Description / Descripción

Linear ground-recessed walkable luminaire. It can also be wall or ceiling mounted with a specific junction box and in a false ceiling with a specific structure. Extruded aluminum body with EN AB-47100 die cast aluminum double header (with low copper content). 8mm thick tempered glass diffuser, transparent or frosted, with silkscreen edge and attached with a robotic gluing system. The luminaire is cabled with two M20 plastic cable guides. Set at one of the ends, they connect the luminaire with the electric module fixed on a removable panel. The tilting spotlight on the vertical axis facilitates the direction of the light beam. To complete the series, there's also the RGB version which allows the creation of colored light sceneries. In this version, the luminaire has two cable indicators for an easier connection. The installation requires a specific box that needs to be ordered separately. To avoid water stagnation, the bottom part of said box needs to be isolated with a layer of draining material or another drain system. To ensure the preservation of the cable guide it's recommended to use flexible electric cables suitable for exterior use.

Luminaria lineal empotrable en suelo y pisable. También se puede instalar en pared o en techo mediante una caja de instalación específica, o en falso techo mediante una estructura específica. Cuerpo extruido de aluminio con doble cabezal de cierre de aluminio fundido a presión EN AB-47100 (con bajo contenido de cobre). Difusor de vidrio templado de 8 mm de espesor, transparente o esmerilado, con borde serigrafiado y fijado mediante un sistema de encolado robótico. La luminaria está cableada con dos pasacables M20 de plástico. Situados en una de las extremidades, conectan la luminaria al módulo eléctrico que está fijado en una placa extraíble. El foco basculante en el eje vertical facilita la dirección del haz luminoso. La serie se completa con la versión RGB, que permite crear escenografías de luces de colores. En esta versión, la luminaria está dotada con dos indicadores de cable que facilitan la conexión. La instalación necesita una caja específica que se debe pedir por separado. Para evitar el estancamiento de agua, es necesario aislar la parte inferior de dicha caja mediante una capa de material drenante u otro sistema de drenaje. Para garantizar la conservación del pasacable se aconseja usar cables eléctricos flexibles y específicos para exteriores.




Sorgente a LED inclusa. Alimentazione elettrica 220-240V ON/ OFF e dimmerabile 1-10V o DALI integrata. Orientabilità asse verticale: max 12°. Necessaria cassaforma da incasso o telaio per cartongesso da ordinare separatamente. Dotato di due pressacavi M20 in materiale plastico (cavi 6<ø<12mm) per il collegamento al modulo elettrico per connessione a tenuta stagna. Vetro trasparente extrachiaro.

2200K available on request.

Fuente LED incluida. Alimentación eléctrica 220-240V ON/ OFF y regulable entre 1 y 10V o DALI integrada. Orientación en el eje vertical: máx. 12º. Son necesarias la caja de instalación o la estructura para la instalación en pladur que se debe pedir por separado. Dotada con dos pasacables M20 de plástico (cables de 6<ø<12 mm) para la conexión al módulo eléctrico de conexión estanca. Vidrio transparente extraclaro.

2200K disponible bajo pedido.

### Optic Spot 10º

**Power Led:** 16W - 1339 lm ≠ OUTPUT 1222 lm - 2700K/CRI 80 - 220÷240V / 16W - 1440 lm ≠ OUTPUT 1314 lm - 3000K/CRI 80 - 220÷240V / 16W - 1560 lm ≠ OUTPUT 1423 lm - 4000K/CRI 80 - 220÷240V

**2700K**

Non Dimmable
- FA94851206
- FA94851233

1-10V
- FA94851206-310
- FA94851233-310

Dali
- FA94851206-300
- FA94851233-300

**3000K**

Non Dimmable
- FA94831206
- FA94831233

1-10V
- FA94831206-310
- FA94831233-310

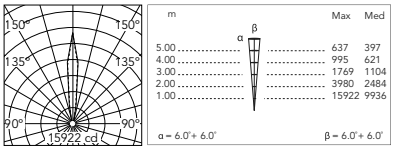
Dali
- FA94831206-300
- FA94831233-300

**4000K**

Non Dimmable
- FA941861206
- FA941861233

1-10V
- FA941861206-310
- FA941861233-310

Dali
- FA941861206-300
- FA941861233-300




@ 4000K

### Optic Medium 45º

**Power Led:** 16W - 1339 lm ≠ OUTPUT 1071 lm - 2700K/CRI 80 - 220÷240V / 16W - 1440 lm ≠ OUTPUT 1152 lm - 3000K/CRI 80 - 220÷240V / 16W - 1560 lm ≠ OUTPUT 1248 lm - 4000K/CRI 80 - 220÷240V

**2700K**

Non Dimmable
- FA94851306
- FA94851333

1-10V
- FA94851306-310
- FA94851333-310

Dali
- FA94851306-300
- FA94851333-300

**3000K**

Non Dimmable
- FA94831306
- FA94831333

1-10V
- FA94831306-310
- FA94831333-310

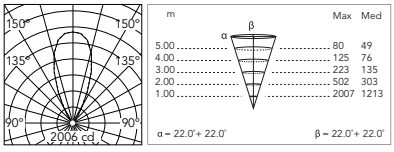
Dali
- FA94831306-300
- FA94831333-300

**4000K**

Non Dimmable
- FA941861306
- FA941861333

1-10V
- FA941861306-310
- FA941861333-310

Dali
- FA941861306-300
- FA941861333-300




@ 4000K

### Elliptical Optic - 12°+ 54°

**Power Led:** 16W - 1339 lm ≠ OUTPUT 1074 lm - 2700K/CRI 80 - 220÷240V / 16W - 1440 lm ≠ OUTPUT 1155 lm - 3000K/CRI 80 - 220÷240V / 16W - 1560 lm ≠ OUTPUT 1251 lm - 4000K/CRI 80 - 220÷240V

**2700K**

Non Dimmable
- FA948513106
- FA948513133

1-10V
- FA948513106-310
- FA948513133-310

Dali
- FA948513106-300
- FA948513133-300

**3000K**

Non Dimmable
- FA948313106
- FA948313133

1-10V
- FA948313106-310
- FA948313133-310

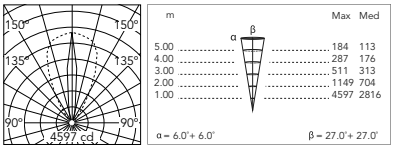
Dali
- FA948313106-300
- FA948313133-300

**4000K**

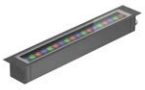
Non Dimmable
- FA9418613106
- FA9418613133

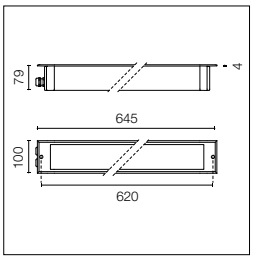
1-10V
- FA9418613106-310
- FA9418613133-310

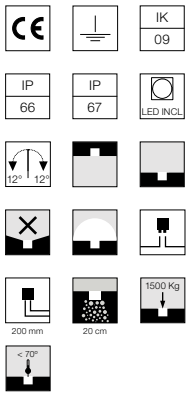
Dali
- FA9418613106-300
- FA9418613133-300




@ 4000K






RGB LED source included. Electrical power supply 220-240V with integrated DMX-RDM interface. Adjustment on the vertical axis: max. 12º. The necessary junction box or the structure for plasterboard installation need to be ordered separately. Equipped with two 200mm protruding sections of neoprene cable and a kit with crimpable connectors and adhesive heat-shrinkable sleeves that guarantee the tightness of the connection. Frosted glass.

Fuente LED RGB incluida. Fuente de alimentación eléctrica 220-240V con interfaz DMX-RDM integrada. Orientación en el eje vertical: máx. 12º. Son necesarias la caja de instalación o la estructura para la instalación en pladur, que se deben pedir por separado. Dotada con dos secciones de cable de neopreno que sobresale 200 mm y kit con conectores crimpables y fundas termoretráctiles adhesivas que garantizan la estanqueidad de la conexión.
Vidrio esmerilado.

**RGB Power Led:** 26W - 220÷240V

**RGB**

- FA941871306
- FA941871333

Photometric data on request.

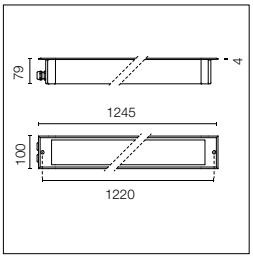
**Wiring diagram and installation scheme RGB.**

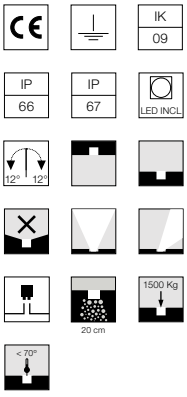
See Wiring Diagram n.8 Page 879.

**Esquema eléctrico e instalación sistema RGB.**

Ver Esquema Eléctrico n.8 Página 879.

## Cielo L 1245




Sorgente a LED inclusa. Alimentazione elettrica 220-240V ON/ OFF e dimmerabile 1-10V o DALI integrata. Orientabilità asse verticale: max 12°. Necessaria cassaforma da incasso o telaio per cartongesso da ordinare separatamente. Dotato di due pressacavi M20 in materiale plastico (cavi 6<ø<12mm) per il collegamento al modulo elettrico per connessione a tenuta stagna. Vetro trasparente extrachiaro.

2200K available on request.

Fuente LED incluida. Alimentación eléctrica 220-240V ON/ OFF y regulable entre 1 y 10V o DALI integrada. Orientación en el eje vertical: máx. 12º. Son necesarias la caja de instalación o la estructura para la instalación en pladur que se debe pedir por separado. Dotada con dos pasacables M20 de plástico (cables de 6<ø<12 mm) para la conexión al módulo eléctrico de conexión estanca. Vidrio transparente extraclaro.

2200K disponible bajo pedido.

### Optic Spot 10°

**Power Led:** 32W - 2678 lm ≠ OUTPUT 2444 lm - 2700K/CRI 80 - 220÷240V / 32W - 2880 lm ≠ OUTPUT 2628 lm - 3000K/CRI 80 - 220÷240V / 32W - 3120 lm ≠ OUTPUT 2847 lm - 4000K/CRI 80 - 220÷240V

**2700K**

Non Dimmable
- FA94861206
- FA94861233

1-10V
- FA94861206-310
- FA94861233-310

Dali
- FA94861206-300
- FA94861233-300

**3000K**

Non Dimmable
- FA94801206
- FA94801233

1-10V
- FA94801206-310
- FA94801233-310

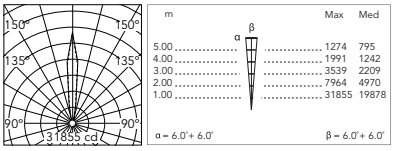
Dali
- FA94801206-300
- FA94801233-300

**4000K**

Non Dimmable
- FA941881206
- FA941881233

1-10V
- FA941881206-310
- FA941881233-310

Dali
- FA941881206-300
- FA941881233-300




@ 4000K

### Optic Medium 45°

**Power Led:** 32W - 2678 lm ≠ OUTPUT 2142 lm - 2700K/CRI 80 - 220÷240V / 32W - 2880 lm ≠ OUTPUT 2303 lm - 3000K/CRI 80 - 220÷240V / 32W - 3120 lm ≠ OUTPUT 2495 lm - 4000K/CRI 80 - 220÷240V

**2700K**

Non Dimmable
- FA94861306
- FA94861333

1-10V
- FA94861306-310
- FA94861333-310

Dali
- FA94861306-300
- FA94861333-300

**3000K**

Non Dimmable
- FA94801306
- FA94801333

1-10V
- FA94801306-310
- FA94801333-310

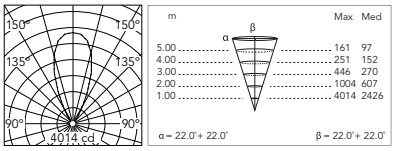
Dali
- FA94801306-300
- FA94801333-300

**4000K**

Non Dimmable
- FA941881306
- FA941881333

1-10V
- FA941881306-310
- FA941881333-310

Dali
- FA941881306-300
- FA941881333-300




@ 4000K

### Elliptical Optic - 12°+ 54°

**Power Led:** 32W - 2678 lm ≠ OUTPUT 2148 lm - 2700K/CRI 80 - 220÷240V / 32W - 2880 lm ≠ OUTPUT 2310 lm - 3000K/CRI 80 - 220÷240V / 32W - 3120 lm ≠ OUTPUT 2503 lm - 4000K/CRI 80 - 220÷240V

**2700K**

Non Dimmable
- FA948613106
- FA948613133

1-10V
- FA948613106-310
- FA948613133-310

Dali
- FA948613106-300
- FA948613133-300

**3000K**

Non Dimmable
- FA948013106
- FA948013133

1-10V
- FA948013106-310
- FA948013133-310

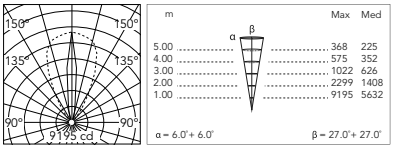
Dali
- FA948013106-300
- FA948013133-300

**4000K**

Non Dimmable
- FA9418813106
- FA9418813133

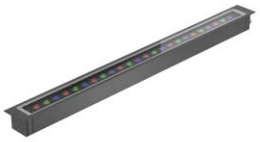
1-10V
- FA9418813106-310
- FA9418813133-310

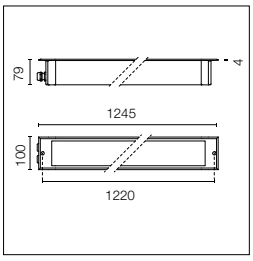
Dali
- FA9418813106-300
- FA9418813133-300

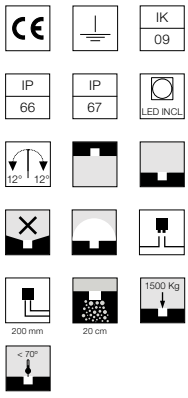



@ 4000K

## Cielo Opal L 1245 RGB






RGB LED source included. Electrical power supply 220-240V with integrated DMX-RDM interface. Adjustment on the vertical axis: max. 12º. The necessary junction box or the structure for plasterboard installation need to be ordered separately. Equipped with two 200mm protruding sections of neoprene cable and a kit with crimpable connectors and adhesive heat-shrinkable sleeves that guarantee the tightness of the connection. Frosted glass.

Fuente LED RGB incluida. Fuente de alimentación eléctrica 220-240V con interfaz DMX-RDM integrada. Orientación en el eje vertical: máx. 12º. Son necesarias la caja de instalación o la estructura para la instalación en pladur, que se deben pedir por separado. Dotada con dos secciones de cable de neopreno que sobresale 200 mm y kit con conectores crimpables y fundas termoretráctiles adhesivas que garantizan la estanqueidad de la conexión.
Vidrio esmerilado.

**Wiring diagram and installation scheme RGB.**

See Wiring Diagram n.8 Page 879.

**Esquema eléctrico e instalación sistema RGB.**

Ver Esquema Eléctrico n.8 Página 879.

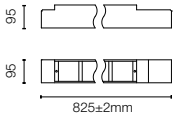
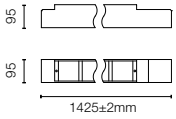
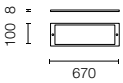
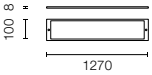
**RGB Power Led:** 48W - 220÷240V

**RGB**

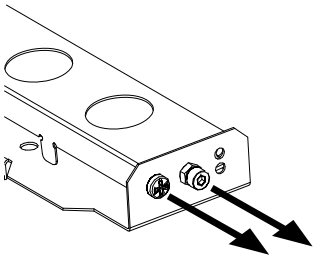
- FA941891306
- FA941891333

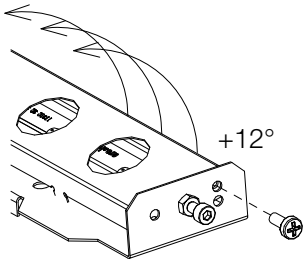
Photometric data on request.

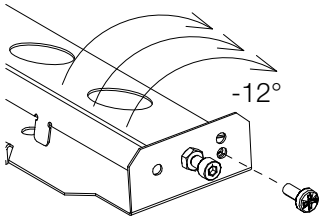
## Cielo: Accessories / Accesorios

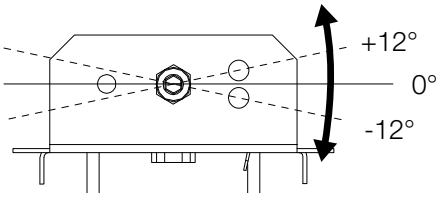
| | | | | |
|---|---|---|---|---|
| Box for installation. | Encofrado. | Cielo L 645<br>FA71 | |  |
| Box for installation. | Encofrado. | Cielo L 1245<br>FA72 | |  |
| Frame for recessed installation in the ceiling | Bastidor para falso techo. | Cielo L 645<br>FA81 | |  |
| Frame for recessed installation in the ceiling | Bastidor para falso techo. | Cielo L 1245<br>FA82 | |  |

## Adjustability LED

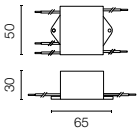




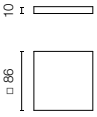
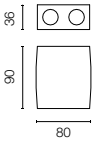
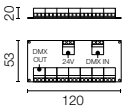



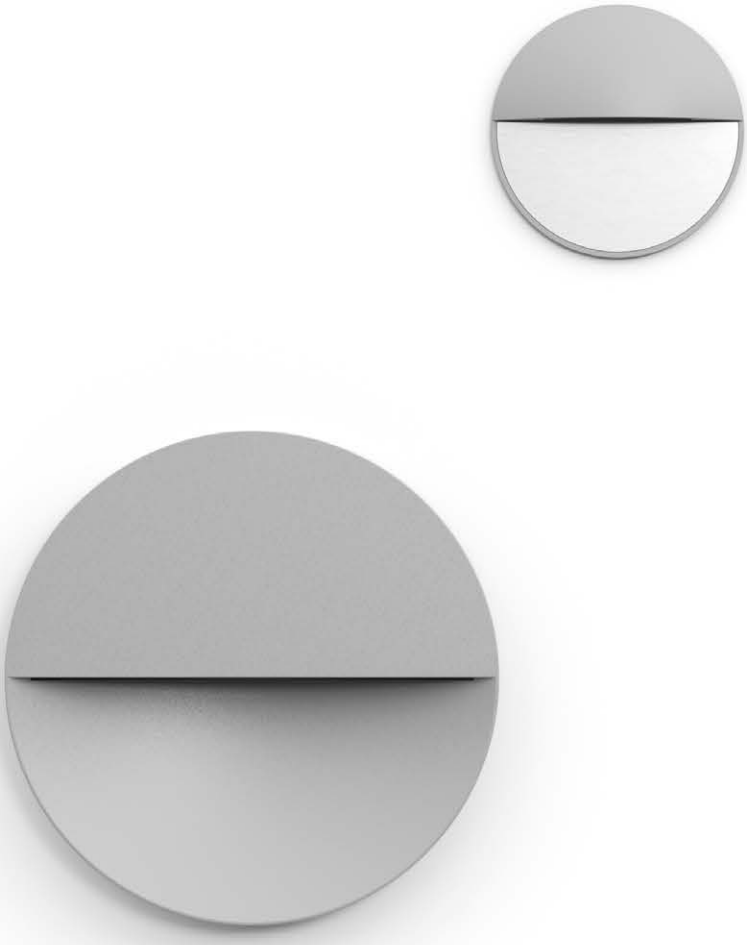
## Cielo: Accessories / Accesorios

| | | | | |
|---|---|---|---|---|
| Surge protection device. 275Vac. Maximum discharge current 10KA (8/20us). Maximum operating current 5A. Suitable for series connection. IP66. | Dispositivo de protección contra sobrecargas. 275 Vac. Corriente de descarga máxima 10KA (8/20us). Corriente máxima de funcionamiento 5A. Apta para conexión en serie. IP66. | F990E00A000 | |   |

## Cielo RGB: Accessories / Accesorios

| | | | | |
|---|---|---|---|---|
| DMX controller; dimmer switch for recessed box (60mm hole centres). | Controlador DMX para cajas empotrables. (60 mm distancia entre agujeros). | F990B10A000 | |   |
| DMX controller; stand-alone/pc interface. | Controlador DMX. Interfaz stand/alone pc.. | F990B11A000 | |   |
| DMX splitter 512 - electronic device to regenerate the monodirectional DMX signal 1 Input and 7 output, 12-24Vdc. Power supply not included. | DMX splitter 512- dispositivo electrónico para regenerar la señal dmx monodireccional. 1 entrada y 7 salidas , 12-24 Vdc. Fuente de alimentación no incluida. | F990B13A000 | |   |
| DMX cable - shielded twisted pair with 110 Ohm constant impedance. | Cable DMX apantallado con impedancia constante de 110 Ohm. | F990B12A000 | | |

# Eclipse



Eclipse

## Family / Familia

Eclipse

**Mid-Power Led**
up to 10W
up to 387 lm - 2700K/CRI 80
up to 416 lm - 3000K/CRI 80
up to 437 lm - 4000K/CRI 80
* Net lumen output

**Mid-Power Led**
up to 7,5W
up to 387 lm - 2700K/CRI 80
up to 416 lm - 3000K/CRI 80
up to 437 lm - 4000K/CRI 80
* Net lumen output

Eclipse Mini

**Low-Power Led**
up to 1,8W
up to 45 lm - 2700K/CRI 80
up to 51 lm - 3000K/CRI 80
up to 55 lm - 4000K/CRI 80
* Net lumen output
2200K available on request.

## Colours / Colores


01 White

06 Grey

12 Forest Green

18 Deep Brown

30 Black

33 Anthracite

## Description / Descripción

Family of wall mounted path lights with LED source. Defined by their reduced thickness and round shape. They're available in two dimensions and different finishes, with double-layered powder coating and chemical conversion surface treatment to ensure high corrosion resistance. The fixing screws are made of stainless steel AISI 316L.

**Eclipse**
Big round luminaire for wall mounting. Available with integrated power supply or remote 24V dc power supply that needs to be ordered separately. EN AB-47100 die cast aluminum body (with low copper content) and transparent profiled polycarbonate diffuser. It's completed with a neoprene cable section to ease the connection. Direct attachment on the surface with an included stainless steel bracket.

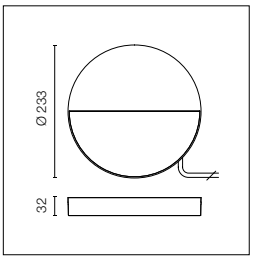
**Eclipse Mini**
Small round luminaire for wall mounting. EN AB-47100 die cast aluminum body (with low copper content) and transparent profiled polycarbonate diffuser. It's completed with a neoprene cable section to ease the connection. The 24V dc luminaire needs a remote power supply that needs to be ordered separately. Direct attachment on the surface or with a recessed box that needs to be ordered separately. Compatible with the three-module electrical junction box, model 503, where the remote 24V dc power supply can be installed.

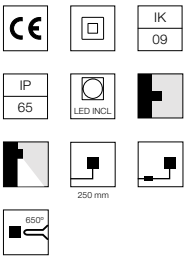
Familia de luminarias marcapasos de pared con fuente LED. Se caracteriza por su reducido espesor y por la forma redonda. Disponibles en dos dimensiones y en diferentes acabados, con recubrimiento de polvo de doble capa y tratamiento superficial de conversión química para garantizar una elevada resistencia ante la corrosión. Los tornillos de fijación son de acero inoxidable AISI 316L

**Eclipse**
Luminaria redonda grande para instalación en pared. Disponible en versión con fuente de alimentación incorporada y versión con fuente de alimentación remota a 24 V dc que se deben pedir por separado. Cuerpo de aluminio fundido a presión EN AB-47100 (con bajo contenido en cobre) y difusor de policarbonato transparente perfilado. Se completa con una sección de cable en neopreno para facilitar la conexión. Fijación directa sobre la superficie mediante brida de acero inoxidable incluida.

**Eclipse Mini**
Luminaria redonda pequeña para instalación en pared. Cuerpo de aluminio fundido a presión EN AB-47100 (con bajo contenido en cobre) y difusor de policarbonato transparente perfilado. Se completa con una sección de cable en neopreno para facilitar la conexión.
La luminaria de 24V dc necesita una fuente de alimentación remota, que se debe pedir por separado. Fijación directa sobre la superficie o mediante caja empotrable, que se debe pedir por separado, y compatible con la caja de instalación eléctrica de 3 módulos, modelo 503, donde se puede poner la fuente de alimentación remota 24V dc.

## Eclipse



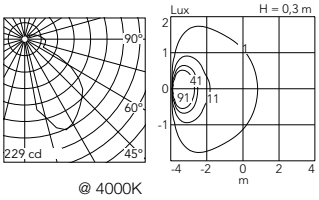




Eclipse 230V
LED source included. Electrical power supply 220-240 ON/OFF. Equipped with a 200mm protruding section of neoprene cable and a kit with crimpable connectors and adhesive heat-shrinkable sleeves that guarantee the tightness of the connection.

Fuente LED incluida. Fuente de alimentación eléctrica 220-240 ON/OFF. Dotada de una sección de cable de neopreno que sobresale de 200 mm y kit con conectores crimpables y fundas termoretráctiles adhesivas que garantizan la estanqueidad de la conexión.

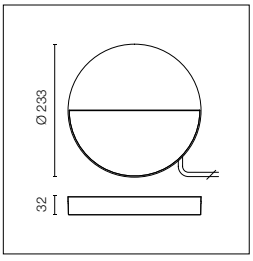
**Mid - Power Led:** 10W - 739 lm ≠ OUTPUT 387 lm - 2700K/CRI 80 - 220÷240V / 10W - 795 lm ≠ OUTPUT 416 lm - 3000K/CRI 80 - 220÷240V / 10W - 835 lm ≠ OUTPUT 437 lm - 4000K/CRI 80 - 220÷240V

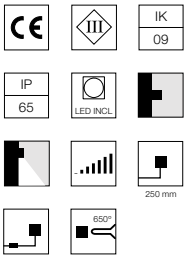
| 2700K | 3000K | 4000K |
|---|---|---|
| ○ FA54200701 | ○ FA54200301 | ○ FA54200201 |
| ● FA54200706 | ● FA54200306 | ● FA54200206 |
| ● FA54200712 | ● FA54200312 | ● FA54200212 |
| ● FA54200718 | ● FA54200318 | ● FA54200218 |
| ● FA54200730 | ● FA54200330 | ● FA54200230 |
| ● FA54200733 | ● FA54200333 | ● FA54200233 |



@ 4000K

## Eclipse



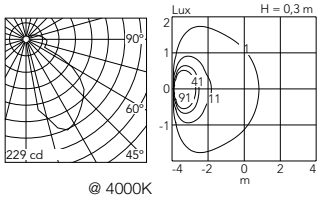




LED source included. Remote electrical power supply 24V dc to be ordered separately. Equipped with a 300mm protruding section of neoprene cable and a kit with crimpable connectors and adhesive heat-shrinkable sleeves that guarantee the tightness of the connection. Dimmable.

Fuente LED incluida. Fuente de alimentación eléctrica remota 24V dc a pedir separadamente. Dotada de una sección de cable de neopreno que sobresale 300 mm y kit con conectores crimpables y fundas termoretráctiles adhesivas que garantizan la estanqueidad de la conexión.
Intensidad regulable.

**Mid - Power Led:** 7,5W - 739 lm ≠ OUTPUT 387 lm - 2700K/CRI 80 - 24Vdc / 7,5W - 795 lm ≠ OUTPUT 416 lm - 3000K/CRI 80 - 24Vdc / 7,5W - 835 lm ≠ OUTPUT 437 lm - 4000K/CRI 80 - 24Vdc

| 2700K | 3000K | 4000K |
|---|---|---|
| ○ FA54200901 | ○ FA54200601 | ○ FA54200501 |
| ● FA54200906 | ● FA54200606 | ● FA54200506 |
| ● FA54200912 | ● FA54200612 | ● FA54200512 |
| ● FA54200918 | ● FA54200618 | ● FA54200518 |
| ● FA54200930 | ● FA54200630 | ● FA54200530 |
| ● FA54200933 | ● FA54200633 | ● FA54200533 |



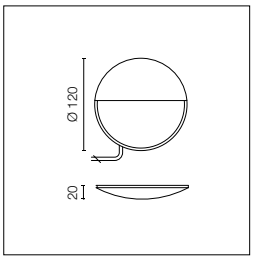
@ 4000K

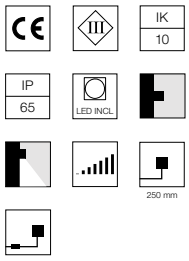
* Maximum number of luminaires per power supply / Número máximo de luminarias por fuente de alimentación.

Maximum number of luminaires per power supply. (220÷240 V). These data must be checked taking into account the specific installation conditions.

Número máximo de luminarias por fuente de alimentación (220÷240 V). Estos datos deben ser comprobados teniendo en cuenta las condiciones específicas de instalación.

| | | | |
|---|---|---|---|
| Acc. RF25747 | 1 | Acc. RF25752 | 2 |
| Acc. RF25757 | 1 | Acc. F990B28A000 | 6 |
| Acc. RF25750 | 2 | Acc. F990B27A000 | 9 |
| Acc. F990B21A000 | 2 | Acc. F990B29A000 | 12 |
| Acc. RF26387.A | 2 | | |




LED source included. Completed with a reflective screen. Remote electrical power supply 24V dc to be ordered separately. Optional electrical junction box (three modules, model 503) to be ordered separately. Equipped with a 250 mm protruding section of neoprene cable and a kit with crimpable connectors and adhesive heat-shrinkable sleeves that guarantee the tightness of the connection. Dimmable.

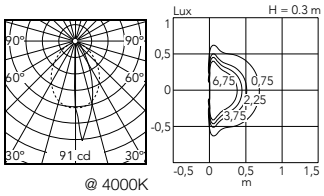
2200K available on request.

Fuente LED incluida. Se completa con pantalla reflectante. Fuente de alimentación eléctrica remota 24V dc que se debe pedir por separado. Caja de instalación eléctrica (3 módulos, modelo 503), opcional y que se debe pedir por separado. Dotada de una sección de cable de neopreno que sobresale 250 mm y kit con conectores crimpables y fundas termoretráctiles adhesivas que garantizan la estanqueidad de la conexión. Intensidad regulable.

2200K disponible bajo pedido.

**Low - Power Led:** 1,8W - 187 lm ≠ OUTPUT 45 lm - 2700K/CRI 80 - 24Vdc / 1,8W - 212 lm ≠ OUTPUT 51 lm - 3000K/CRI 80 - 24Vdc / 1,8W - 227 lm ≠ OUTPUT 55 lm - 4000K/CRI 80 - 24Vdc

| 2700K | 3000K | 4000K |
|---|---|---|
| ○ FA52600501.A | ○ FA52600301.A | ○ FA52600201.A |
| ● FA52600506.A | ● FA52600306.A | ● FA52600206.A |
| ● FA52600512.A | ● FA52600312.A | ● FA52600212.A |
| ● FA52600518.A | ● FA52600318.A | ● FA52600218.A |
| ● FA52600530.A | ● FA52600330.A | ● FA52600230.A |
| ● FA52600533.A | ● FA52600333.A | ● FA52600233.A |




@ 4000K

* Maximum number of luminaires per power supply / Número máximo de luminarias por fuente de alimentación.

Maximum number of luminaires per power supply. (220÷240 V). These data must be checked taking into account the specific installation conditions.

Número máximo de luminarias por fuente de alimentación (220÷240 V). Estos datos deben ser comprobados teniendo en cuenta las condiciones específicas de instalación.

| | |
|---|---|
| Acc. RF25754 | 3 |
| Acc. RF25748 | 3 |
| Acc. RF25747 | 5 |
| Acc. RF25757 | 5 |
| Acc. RF25750 | 8 |
| Acc. F990B21A000 | 8 |
| Acc. RF26387.A | 9 |
| Acc. RF25752 | 9 |
| Acc. F990B28A000 | 25 |
| Acc. F990B27A000 | 30 |
| Acc. F990B29A000 | 45 |

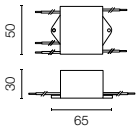
## Eclipse: Accessories / Accesorios

Surge protection device. 275Vac. Maximum discharge current 10KA (8/20µs). Maximum operating current 5A. Suitable for series connection. IP66.

Dispositivo de protección contra sobrecargas. 275 Vac. Corriente de descarga máxima 10KA (8/20µs). Corriente máxima de funcionamiento 5A. Apta para conexión en serie. IP66.

Eclipse

F990E00A000

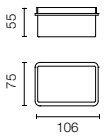



Recessed 3-module junction box (model 503)

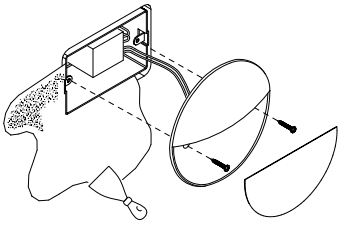
Caja de conexiones para empotrar 3 módulos (modelo 503)

Eclipse Mini

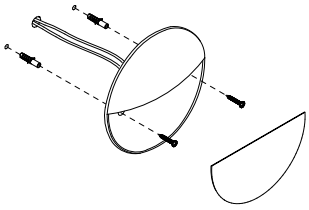
F990H010000



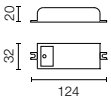
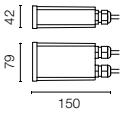
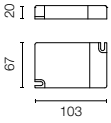
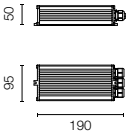
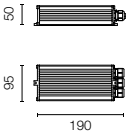
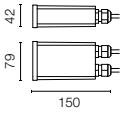
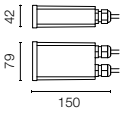
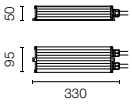
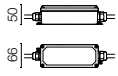
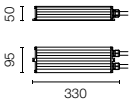
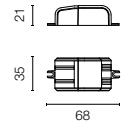
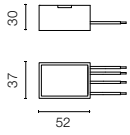

**Recessed installation Eclipse Mini**



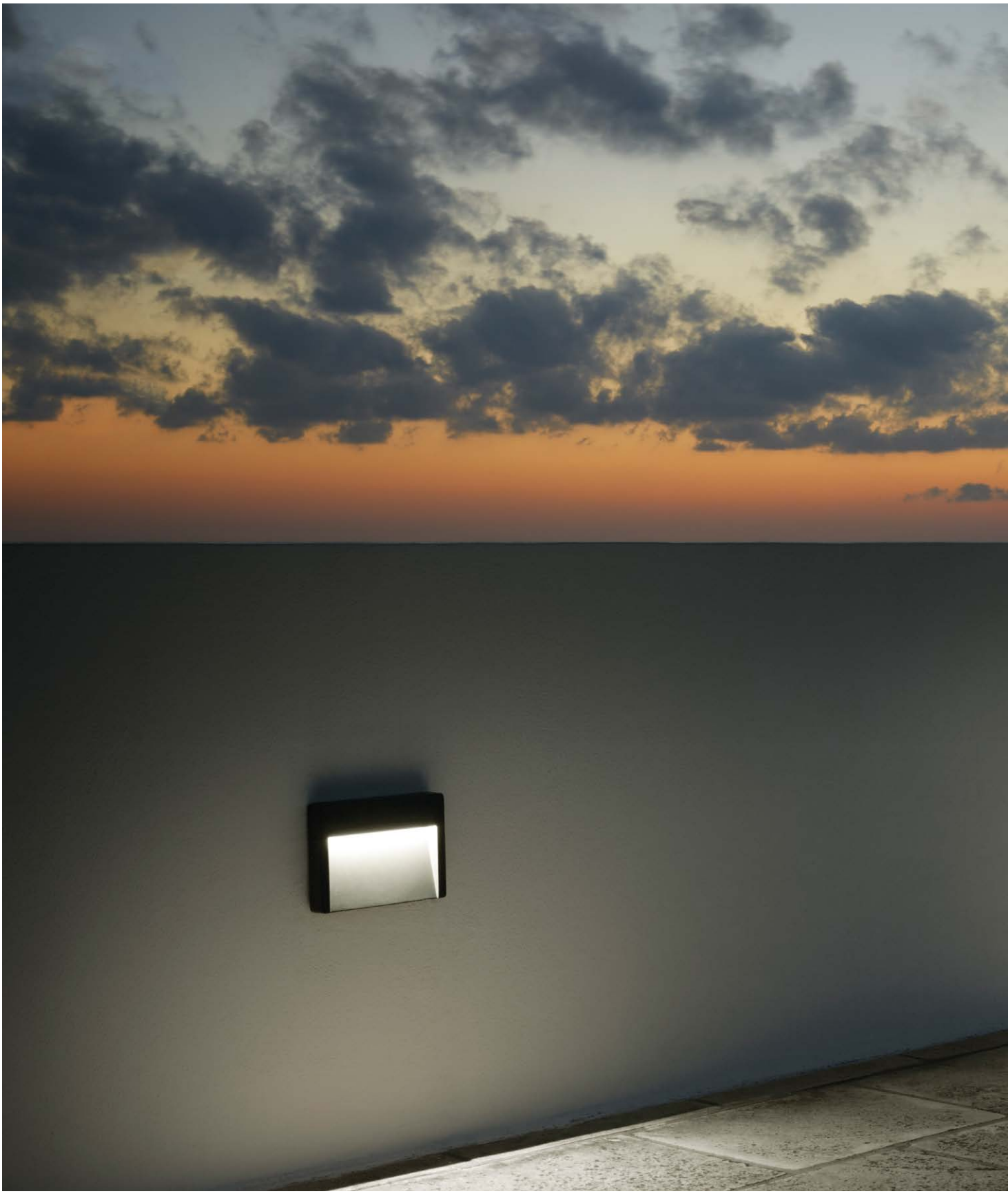
**Wall installation Eclipse Mini**



## Eclipse: Drivers / Equipos

| | | | | |
|---|---|---|---|---|
| Power supply 24V 10W /110-240V IP20 Class II selv. | Transformador 24V 10W / 110-240V IP20 Clase II selv. | *RF25747 | |   |
| Power supply 24V 10W / 110-240V IP67 Class II selv. | Transformador 24V 10W / 110-240V IP67 Clase II selv. | *RF25757 | |   |
| Power supply for remote installation 24Vdc 17W / 110-240V (15W@110V) IP20 Class II selv. | Transformador para instalación remota 24Vdc 17W / 110-240V (15W@110V) IP20 Clase II selv. | *RF25750<br>Dimmable Push-Dim Or 1-10V<br>See Wiring Diagram n.4. Page 876. | |   |
| Power supply 17W/110÷240V - 24Vdc (15W@110V) IP67 Class II Selv. | Transformador 17W/110÷240V - 24Vdc (15W@110V) IP67 Clase II Selv. | *F990B21A000<br>Dimmable Push-Dim Or 1-10V<br>See Wiring Diagram n.4. Page 876. | |   |
| Power supply for remote installation 24Vdc 20W / 110-240Vdc (15W@110V) IP67 Class II selv. | Transformador para instalación remota 24Vdc 20W / 110-240Vdc (15W@110V) IP67 Clase II selv. | *RF26387.A<br>Dimmable DALI<br>See Wiring Diagram n.4. Page 876. | |   |
| Power supply for remote installation 24Vdc 20W / 220-240V IP67 Class II selv. | Transformador para instalación remota 24Vdc 20W / 220-240V IP67 Clase II selv. | *RF25752 | |   |
| Power supply 24Vdc 35W / 120-270V IP67 Class II selv. | Fuente de alimentación 24Vdc 35W / 120-270V IP67 Clase II selv. | F990B23AZ00 | |   |
| Power supply for remote installation 24Vdc 50W / 120-240V IP67 Class II selv. | Transformador para instalación remota 24Vdc 50W / 120-240V IP67 Clase II selv. | *F990B28A000 | |   |
| Power supply for remote installation 24Vdc 70W / 220-240V IP67 Class II selv. | Transformador para instalación remota 24Vdc 70W / 220-240V IP67 Clase II selv. | *F990B27A000 | |   |
| Power supply for remote installation 24Vdc 96W / 120-240V IP67 Class II selv. | Transformador para instalación remota 24Vdc 96W / 120-240V IP67 Clase II selv. | *F990B29A000 | |   |
| Power supply dual function Vout 24Vdc: 8W/100÷240V Iout 350ma: 6x1W/100÷240V IP20 Class II Selv Eq. | Fuente de alimentación con función dual Vout 24Vdc: 8W/100÷240V Iout 350ma: 6x1W/100÷240V IP20 Clase II Selv Eq. | Eclipse Mini<br>*RF25754 | |   |
| Power supply 24V 8W / 110-240V IP65 Class II selv. | Transformador 24V 8W / 110-240V IP65 Clase II selv. | Eclipse Mini<br>*RF25748 | |   |

## Hyperion



Hyperion

## Family / Familia

Hyperion

**Mid-Power Led**
up to 10W
up to 401 lm - 2700K/CRI 80
up to 428 lm - 3000K/CRI 80
up to 442 lm - 4000K/CRI 80
* Net lumen output

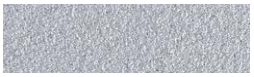
**Mid-Power Led**
up to 7,5W
up to 370 lm - 2700K/CRI 80
up to 398 lm - 3000K/CRI 80
up to 418 lm - 4000K/CRI 80
* Net lumen output

Hyperion Mini

**Low-Power Led**
up to 1,9W
up to 57 lm - 2700K/CRI 80
up to 61 lm - 3000K/CRI 80
up to 64 lm - 4000K/CRI 80
* Net lumen output

## Colours / Colores


01 White


06 Grey

12 Forest Green

18 Deep Brown

30 Black

33 Anthracite

## Description / Descripción

Family of wall mounted path lights with LED source. Defined by their reduced thickness and rectangular shape. They're available in two dimensions and different finishes, with double-layered powder coating and chemical conversion surface treatment to ensure high corrosion resistance. The fixing screws are made of stainless steel AISI 316L.

**Hyperion**
Big rectangular luminaire with reduced thickness for wall mounting. Available with integrated power supply or remote 24V dc power supply that needs to be ordered separately. EN AB-47100 die cast aluminum body (with low copper content) and transparent molded polycarbonate diffuser. It's completed with a neoprene cable section to ease the connection. Direct attachment on the surface with an included stainless steel bracket. Optional accessories available: reflector and post. The satin aluminum reflector increases the luminous flux by approximately 20% and is attached to the body with the double-sided adhesive provided. The extruded post is used to install the luminaire as a bollard. The post is easily installed on any floor surface by means of dowels or the specific accessory anchor plate and lag screws that secure the luminaire solidly to the pavement.

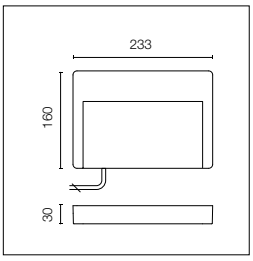
**Hyperion Mini**
Small rectangular luminaire for wall mounting. EN AB-47100 die cast aluminum body (with low copper content) and transparent molded polycarbonate diffuser. Reflective satin aluminum screen that is attached with the double-sided adhesive provided. With a neoprene cable section to ease the connection. The 24V luminaire needs a remote power supply that needs to be ordered separately. Direct attachment on the surface or with a recessed box that needs to be ordered separately. Compatible with the three module electrical junction box, model 503, where the remote 24V dc power supply can be installed.

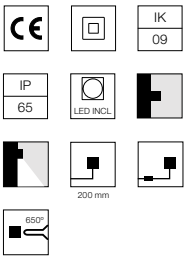
Familia de luminarias marcapasos de pared con fuente LED. Se caracterizan por su reducido espesor y por su forma rectangular. Disponibles en dos dimensiones y en diferentes acabados, con recubrimiento de polvo de doble capa y tratamiento superficial de conversión química para garantizar una elevada resistencia ante la corrosión. Los tornillos de fijación son de acero inoxidable AISI 316L.

**Hyperion**
Luminaria rectangular grande y de espesor reducido para instalación en pared. Disponible en la versión con fuente de alimentación incorporada y en la versión con fuente de alimentación remota para 24V dc, que se debe pedir por separado. Cuerpo de aluminio fundido a presión EN AB-47100 (con bajo contenido de cobre) y difusor de policarbonato transparente moldeado. Dotada de una sección de cable de neopreno que sobresale para facilitar la conexión. Se fija directamente sobre la superficie mediante una brida de acero inoxidable incluida. Disponibles los accesorios opcionales: el reflector y el poste. El reflector de aluminio satinado aumenta el flujo luminoso aproximadamente un 20% y se fija al cuerpo mediante el adhesivo de doble cara que se proporciona. El poste extruido se usa para la instalación de la luminaria como baliza. El poste se instala fácilmente en cualquier superficie del suelo mediante tacos o mediante la específica placa de anclaje, accesoria, y los tirafondos que aseguran sólidamente la luminaria en el pavimento.

**Hyperion Mini**
Luminaria rectangular pequeña para instalación en pared. Cuerpo de aluminio fundido a presión EN AB-47100 (con bajo contenido de cobre) y difusor de policarbonato transparente moldeado. Pantalla reflectante de aluminio satinado que se aplica mediante el adhesivo de doble cara que se proporciona. Dotada de una sección de cable de neopreno para facilitar la conexión. La luminaria de 24V necesita una fuente de alimentación remota que se debe pedir por separado. Se fija directamente en la superficie o mediante una caja empotrable que se debe pedir por separado, y compatible con la caja de registro eléctrica de 3 módulos, modelo 503, donde se puede poner también la fuente de alimentación remota de 24V dc.

## Hyperion



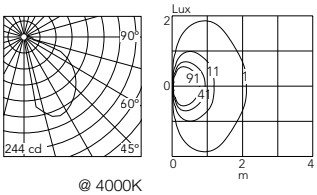




Hyperion 230V.
LED source included. Electrical power supply 220-240V ON/OFF. Equipped with a 200 mm protruding section of neoprene cable and a kit with crimpable connectors and adhesive heat-shrinkable sleeves that guarantee the tightness of the connection. Optional accessories: satin aluminum reflector to increase the luminous flux; 500mm tall, extruded post for the bollard version. Anchor plate to be recessed with mortar needs to be ordered separately.

Hyperion 23V.
Fuente LED incluida. Fuente de alimentación eléctrica 220-240 V ON/OFF. Dotada de una sección de cable de neopreno que sobresale 200 mm y kit con conectores crimpables y fundas termoretráctiles adhesivas que garantizan la estanqueidad de la conexión. Accesorios opcionales: reflector de aluminio satinado para aumentar el flujo luminoso; poste extruido de 500 mm de altura para la versión baliza. Placa de anclaje para empotrar con mortero que se debe pedir por separado.

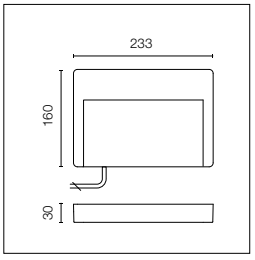
**Mid - Power Led:** 10W - 739 lm ≠ OUTPUT 401 lm - 2700K/CRI 80 - 220÷240V / 10W - 795 lm ≠ OUTPUT 428 lm - 3000K/CRI 80 - 220÷240V / 10W - 835 lm ≠ OUTPUT 442 lm - 4000K/CRI 80 - 220÷240V

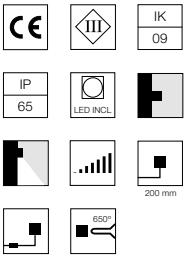
| 2700K | 3000K | 4000K |
|---|---|---|
| ○ FA52700501 | ○ FA52700301 | ○ FA52700201 |
| ● FA52700506 | ● FA52700306 | ● FA52700206 |
| ● FA52700512 | ● FA52700312 | ● FA52700212 |
| ● FA52700518 | ● FA52700318 | ● FA52700218 |
| ● FA52700530 | ● FA52700330 | ● FA52700230 |
| ● FA52700533 | ● FA52700333 | ● FA52700233 |




@ 4000K

## Hyperion



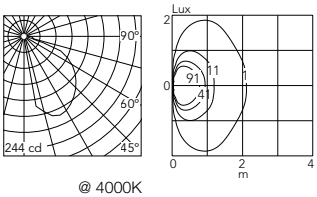




LED source included. Remote electrical power supply 24V dc to be ordered separately. Equipped with a 300 mm protruding section of neoprene cable and a kit with crimpable connectors and adhesive heat-shrinkable sleeves that guarantee the tightness of the connection. Optional accessories: satin aluminum reflector to increase the luminous flux; 500mm tall, extruded post for the bollard version. Anchor plate to be recessed with mortar needs to be ordered separately.
Dimmable.

Fuente LED incluida. Fuente de alimentación eléctrica remota 24V dc que se debe pedir por separado. Dotada de una sección de cable de neopreno que sobresale 300 mm y kit con conectores crimpables y fundas termoretráctiles adhesivas que garantizan la estanqueidad de la conexión. Accesorios opcionales: reflector de aluminio satinado para aumentar el flujo luminoso; poste extruido de 500 mm de altura para la versión baliza. Placa de anclaje para empotrar con mortero que se debe pedir por separado.
Intensidad regulable.

**Mid - Power Led:** 7,5W - 739 lm ≠ OUTPUT 401 lm - 2700K/CRI 80 - 24Vdc / 7,5W - 795 lm ≠ OUTPUT 428 lm - 3000K/CRI 80 - 24Vdc / 7,5W - 835 lm ≠ OUTPUT 442 lm - 4000K/CRI 80 - 24Vdc

| 2700K | 3000K | 4000K |
|---|---|---|
| ○ FA52701501 | ○ FA52701301 | ○ FA52701201 |
| ● FA52701506 | ● FA52701306 | ● FA52701206 |
| ● FA52701512 | ● FA52701312 | ● FA52701212 |
| ● FA52701518 | ● FA52701318 | ● FA52701218 |
| ● FA52701530 | ● FA52701330 | ● FA52701230 |
| ● FA52701533 | ● FA52701333 | ● FA52701233 |



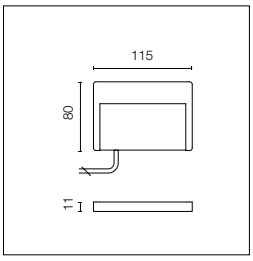

@ 4000K

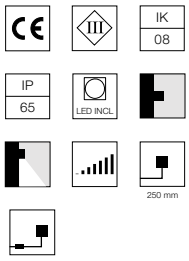
* Maximum number of luminaires per power supply / Número máximo de luminarias por fuente de alimentación.

Maximum number of luminaires per power supply. (220÷240 V). These data must be checked taking into account the specific installation conditions.

Número máximo de luminarias por fuente de alimentación (220÷240 V). Estos datos deben ser comprobados teniendo en cuenta las condiciones específicas de instalación.

| | |
|---|---|
| Acc. RF25747 | 1 |
| Acc. RF25757 | 1 |
| Acc. RF25750 | 2 |
| Acc. F990B21A000 | 2 |
| Acc. RF26387.A | 2 |
| Acc. RF25752 | 2 |
| Acc. F990B28A000 | 6 |
| Acc. F990B27A000 | 9 |
| Acc. F990B29A000 | 12 |



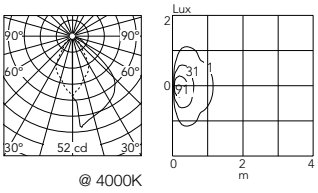




LED source included. Completed with a reflective screen. Remote electrical power supply 24V dc to be ordered separately. Optional junction box to be ordered separately (3 module electrical box, model 503). Equipped with a 250 mm protruding section of neoprene cable and a kit with crimpable connectors and adhesive heat-shrinkable sleeves that guarantee the tightness of the connection.
Dimmable.

Fuente LED incluida. Se completa con pantalla reflectante. Fuente de alimentación eléctrica remota 24V dc que se debe pedir por separado. Caja de registro opcional que se debe pedir por separado (caja eléctrica de 3 módulos, modelo 503). Dotada de una sección de cable de neopreno que sobresale 250 mm y kit con conectores crimpables y fundas termoretráctiles adhesivas que garantizan la estanqueidad de la conexión.
Intensidad regulable.

**Low - Power Led:** 1,9W - 139 lm ≠ OUTPUT 57 lm - 2700K/CRI 80 - 24Vdc / 1,9W - 149 lm ≠ OUTPUT 61 lm - 3000K/CRI 80 - 24Vdc / 1,9W - 156 lm ≠ OUTPUT 64 lm - 4000K/CRI 80 - 24Vdc

| 2700K | 3000K | 4000K |
|---|---|---|
| ○ FA102960001 | ○ FA102950001 | ○ FA1022290001 |
| ● FA102960006 | ● FA102950006 | ● FA1022290006 |
| ● FA102960012 | ● FA102950012 | ● FA1022290012 |
| ● FA102960018 | ● FA102950018 | ● FA1022290018 |
| ● FA102960030 | ● FA102950030 | ● FA1022290030 |
| ● FA102960033 | ● FA102950033 | ● FA1022290033 |



@ 4000K

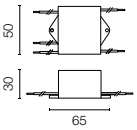
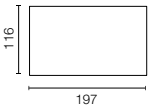
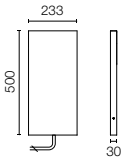
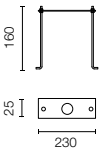
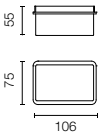
* Maximum number of luminaires per power supply / Número máximo de luminarias por fuente de alimentación.

Maximum number of luminaires per power supply. (220÷240 V). These data must be checked taking into account the specific installation conditions.

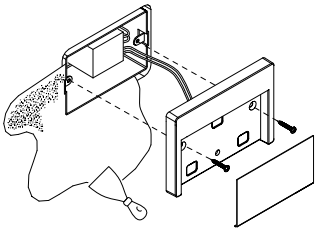
Número máximo de luminarias por fuente de alimentación (220÷240 V). Estos datos deben ser comprobados teniendo en cuenta las condiciones específicas de instalación.

| | |
|---|---|
| Acc. RF25754 | 3 |
| Acc. RF25748 | 3 |
| Acc. RF25747 | 5 |
| Acc. RF25757 | 5 |
| Acc. RF25750 | 8 |
| Acc. F990B21A000 | 8 |
| Acc. RF26387.A | 9 |
| Acc. RF25752 | 9 |
| Acc. F990B28A000 | 25 |
| Acc. F990B27A000 | 30 |
| Acc. F990B29A000 | 45 |

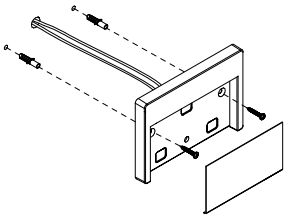
## Hyperion: Accessories / Accesorios

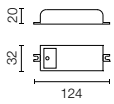
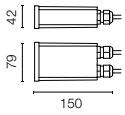
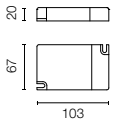
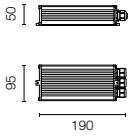
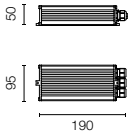
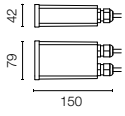
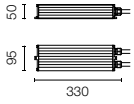
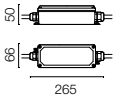
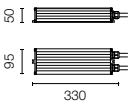
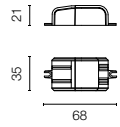
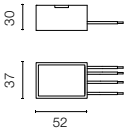
| | | | | |
|---|---|---|---|---|
| Surge protection device. 275Vac. Maximum discharge current 10KA (8/20µs). Maximum operating current 5A. Suitable for series connection. IP66. | Dispositivo de protección contra sobrecargas. 275 Vac. Corriente de descarga máxima 10KA (8/20µs). Corriente máxima de funcionamiento 5A. Apta para conexión en serie. IP66. | Hyperion<br>F990E00A000 | |  |
| Satin aluminium carter Thickness 0.5mm. | Carter de aluminio satinado espesor 0,5 mm. | Hyperion<br>FA160 | <br>+<br> <br>Lamp.4<br>=<br> <br>Lamp.4+cod.160 =+20% lm |  |
| Use of the extruded support as bollard. Direct fixing using studs or a base plate and fixing bolts (optional accessory). | Uso del soporte extruido como baliza. Fijación directa mediante tacos o mediante placa de anclaje y tirafondos (accesorio opcional). | H 500 mm<br>○ FA24501<br>● FA24506<br>● FA24512<br>● FA24518<br>● FA24530<br>● FA24533 | |  |
| Base plate with bolt. | Placa con tirafondos. | Hyperion<br>FA247 | |  |
| Recessed 3-module junction box (model 503) | Caja de conexiones para empotrar 3 módulos (modelo 503) | Hyperion Mini<br>F990H010000 | |  |

**Recessed installation**

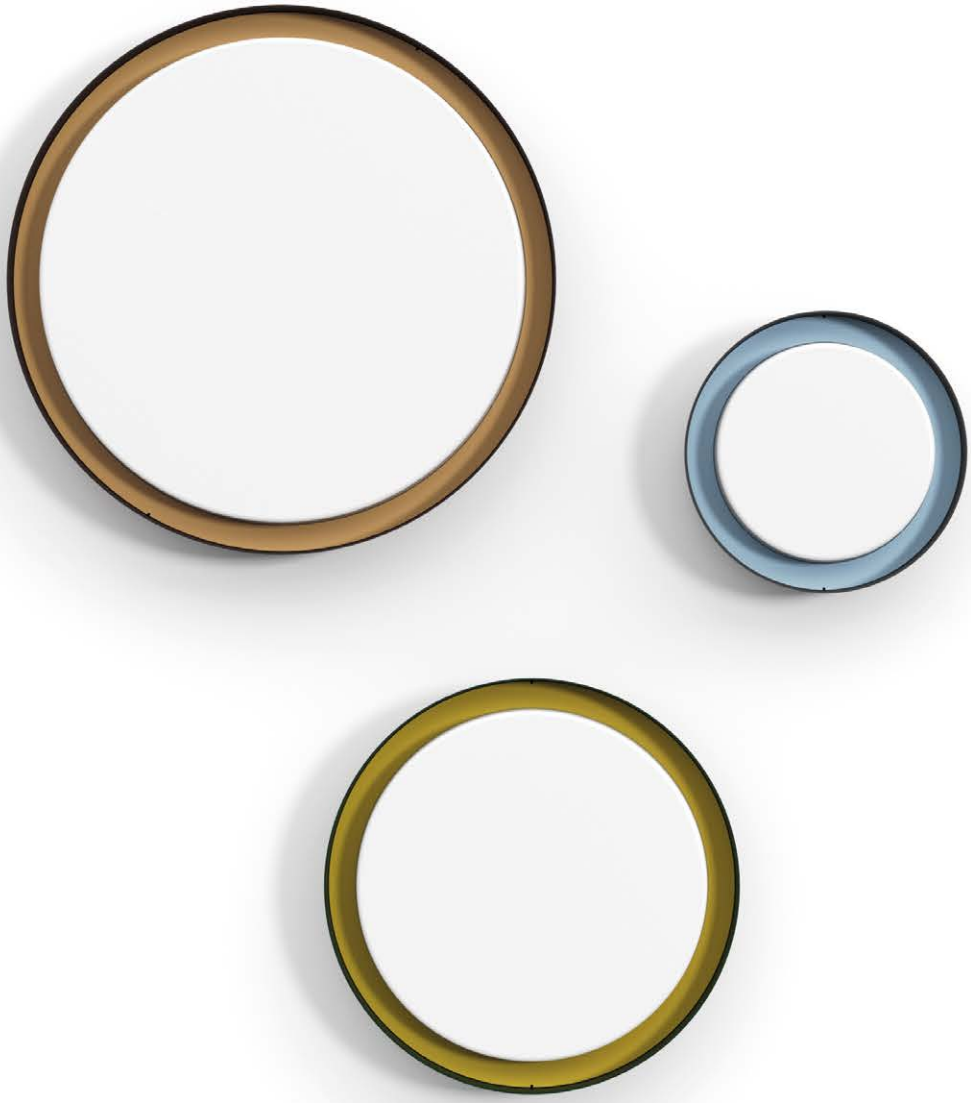


**Wall installation**



| | | | | |
|---|---|---|---|---|
| Power supply 24V 10W /110-240V IP20 Class II selv. | Transformador 24V 10W / 110-240V IP20 Clase II selv. | *RF25747 | |   |
| Power supply 24V 10W / 110-240V IP67 Class II selv. | Transformador 24V 10W / 110-240V IP67 Clase II selv. | *RF25757 | |   |
| Power supply for remote installation 24Vdc 17W / 110-240V (15W@110V) IP20 Class II selv. | Transformador para instalación remota 24Vdc 17W / 110-240V (15W@110V) IP20 Clase II selv. | *RF25750<br>Dimmable Push-Dim Or 1-10V<br>See Wiring Diagram n.4. Page 876. | |   |
| Power supply 17W/110÷240V - 24Vdc (15W@110V) IP67 Class II Selv. | Transformador 17W/110÷240V - 24Vdc (15W@110V) IP67 Clase II Selv. | *F990B21A000<br>Dimmable Push-Dim Or 1-10V<br>See Wiring Diagram n.4. Page 876. | |   |
| Power supply for remote installation 24Vdc 20W / 110-240Vdc (15W@110V) IP67 Class II selv. | Transformador para instalación remota 24Vdc 20W / 110-240Vdc (15W@110V) IP67 Clase II selv. | *RF26387.A<br>Dimmable DALI<br>See Wiring Diagram n.4. Page 876. | |   |
| Power supply for remote installation 24Vdc 20W / 220-240V IP67 Class II selv. | Transformador para instalación remota 24Vdc 20W / 220-240V IP67 Clase II selv. | *RF25752 | |   |
| Power supply for remote installation 24Vdc 50W / 120-240V IP67 Class II selv. | Transformador para instalación remota 24Vdc 50W / 120-240V IP67 Clase II selv. | *F990B28A000 | |   |
| Power supply for remote installation 24Vdc 70W / 220-240V IP67 Class II selv. | Transformador para instalación remota 24Vdc 70W / 220-240V IP67 Clase II selv. | *F990B27A000 | |   |
| Power supply for remote installation 24Vdc 96W / 120-240V IP67 Class II selv. | Transformador para instalación remota 24Vdc 96W / 120-240V IP67 Clase II selv. | *F990B29A000 | |   |
| Power supply dual function Vout 24Vdc: 8W/100÷240V Iout 350ma: 6x1W/100÷240V IP20 Class II Selv Eq. | Fuente de alimentación con función dual Vout 24Vdc: 8W/100÷240V Iout 350ma: 6x1W/100÷240V IP20 Clase II Selv Eq. | Hyperion Mini<br>*RF25754 | |   |
| Power supply 24V 8W / 110-240V IP65 Class II selv. | Transformador 24V 8W / 110-240V IP65 Clase II selv. | Hyperion Mini<br>*RF25748 | |   |

# Platter



Platter

## Family / Familia

Platter 410

**Mid-Power Led**
up to 34W
up to 2345 lm - 2700K/CRI 80
up to 2521 lm - 3000K/CRI 80
up to 2712 lm - 4000K/CRI 80
* Net lumen output

Platter 310

**Mid-Power Led**
up to 18W
up to 1150 lm - 2700K/CRI 80
up to 1237 lm - 3000K/CRI 80
up to 1330 lm - 4000K/CRI 80
* Net lumen output

Platter 210

**Mid-Power Led**
up to 11W
up to 732 lm - 2700K/CRI 80
up to 787 lm - 3000K/CRI 80
up to 812 lm - 4000K/CRI 80
* Net lumen output

## Colours / Colores



01 White

06 Grey

12 Forest Green

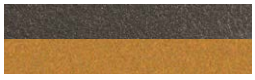
18 Deep Brown

30 Black

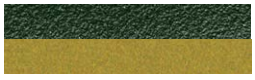
33 Anthracite

Grey / Brown Brick

Anthracite / Pale Blue



Deep Brown / Pale Brown



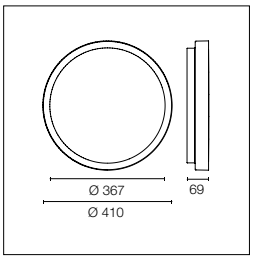
Forest Green / Olive Green

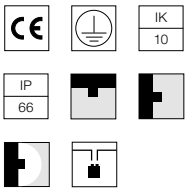
## Description / Descripción

Family of wall or ceiling mounted luminaires. Defined by their round shape. Available in three dimensions. Diffuser made of opal plastic material that guarantees high uniformity in light emission. EN AB-47100 die-cast mounting plate (with low copper content), turned aluminum structure and heat sinks. Magnetic closing frame to hide the AISI 316L stainless steel fixing screws. Available in different finishes, with double-layered powder coating and chemical conversion surface treatment to ensure high corrosion resistance.

Familia de luminarias para instalación en pared o techo. Se caracterizan por su forma redonda. Disponibles en tres dimensiones. Difusor de material plástico opal que garantiza una elevada uniformidad en la emisión luminosa. Placa de fijación de aluminio fundido a presión EN AB-47100 (con bajo contenido en cobre), estructura y disipadores de calor de aluminio torneado. Marco de cierre magnético para esconder los tornillos de fijación, de acero inoxidable AISI316L. Disponibles en diferentes acabados, con recubrimiento de polvo de doble capa y tratamiento superficial de conversión química para garantizar una elevada resistencia ante la corrosión.

## Platter 410




LED source included. Integrated power supply 220-240V ON/OFF and dimmable 1-10V or DALI. With IP65 cable guide for rubber cables 5mm<ø<10mm and a 2-pole connection box for a fast connection. To ensure the tightness of the cable guide it's recommended to use flexible electric cables suitable for exterior use.

Fuente LED incluida. Fuente de alimentación eléctrica 220-240V ON/OFF e intensidad regulable entre 1 y 10V o DALI integrada. Dotada de pasacable IP65, para cable en goma 5mm<ø<10mm y una caja de conexiones a 2 polos para una conexión rápida. Para garantizar la estanqueidad del pasacable se aconseja usar cables eléctricos flexibles y específicos para exteriores.

**Mid-Power Led:** 34W - 3590 lm ≠ OUTPUT 2345 lm - 2700K/CRI 80 - 220÷240V / 34W - 3860 lm ≠ OUTPUT 2521 lm - 3000K/CRI 80 - 220÷240V / 34W - 4152 lm ≠ OUTPUT 2712 lm - 4000K/CRI 80 - 220÷240V

**2700K**

Non Dimmable
- FA53305201
- FA53305206
- FA53305212
- FA53305218
- FA53305230
- FA53305233

1-10V
- FA53305201-310
- FA53305206-310
- FA53305212-310
- FA53305218-310
- FA53305230-310
- FA53305233-310

Dali
- FA53305201-300
- FA53305206-300
- FA53305212-300
- FA53305218-300
- FA53305230-300
- FA53305233-300

**3000K**

Non Dimmable
- FA53302201
- FA53302206
- FA53302212
- FA53302218
- FA53302230
- FA53302233

1-10V
- FA53302201-310
- FA53302206-310
- FA53302212-310
- FA53302218-310
- FA53302230-310
- FA53302233-310

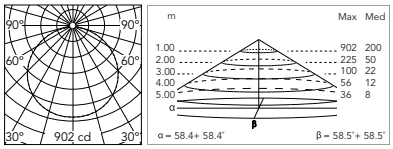
Dali
- FA53302201-300
- FA53302206-300
- FA53302212-300
- FA53302218-300
- FA53302230-300
- FA53302233-300

**4000K**

Non Dimmable
- FA53302101
- FA53302106
- FA53302112
- FA53302118
- FA53302130
- FA53302133

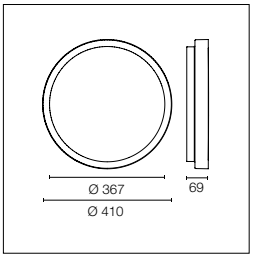
1-10V
- FA53302101-310
- FA53302106-310
- FA53302112-310
- FA53302118-310
- FA53302130-310
- FA53302133-310

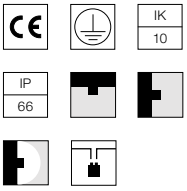
Dali
- FA53302101-300
- FA53302106-300
- FA53302112-300
- FA53302118-300
- FA53302130-300
- FA53302133-300




@ 4000K

## Platter 410 Grey / Brown Brick




LED source included. Integrated power supply 220-240V ON/OFF and dimmable 1-10V or DALI. With IP65 cable guide for rubber cables 5mm<ø<10mm and a 2-pole connection box for a fast connection. To ensure the tightness of the cable guide it's recommended to use flexible electric cables suitable for exterior use.

Fuente LED incluida. Fuente de alimentación eléctrica 220-240V ON/OFF e intensidad regulable entre 1 y 10V o DALI integrada. Dotada de pasacable IP65, para cable en goma 5mm<ø<10mm y una caja de conexiones a 2 polos para una conexión rápida. Para garantizar la estanqueidad del pasacable se aconseja usar cables eléctricos flexibles y específicos para exteriores.

**Mid-Power Led:** 34W - 3590 lm ≠ OUTPUT 2345 lm - 2700K/CRI 80 - 220÷240V / 34W - 3860 lm ≠ OUTPUT 2521 lm - 3000K/CRI 80 - 220÷240V / 34W - 4152 lm ≠ OUTPUT 2712 lm - 4000K/CRI 80 - 220÷240V

**2700K**

Non Dimmable
- FA533421

1-10V
- FA533421-310

Dali
- FA533421-300

**3000K**

Non Dimmable
- FA533431

1-10V
- FA533431-310

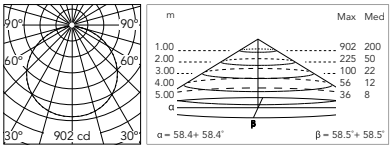
Dali
- FA533431-300

**4000K**

Non Dimmable
- FA533441

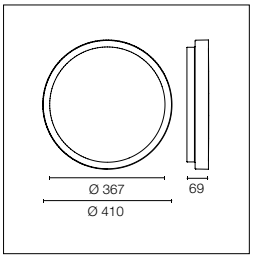
1-10V
- FA533441-310

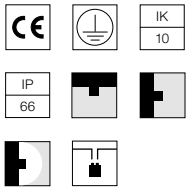
Dali
- FA533441-300




@ 4000K

## Platter 410 Anthracite / Pale Blue



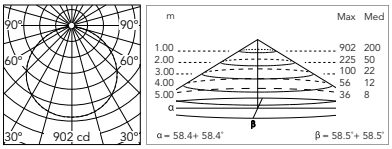




LED source included. Integrated power supply 220-240V ON/OFF and dimmable 1-10V or DALI.
With IP65 cable guide for rubber cables 5mm<ø<10mm and a 2-pole connection box for a fast connection. To ensure the tightness of the cable guide it's recommended to use flexible electric cables suitable for exterior use.

Fuente LED incluida. Fuente de alimentación eléctrica 220-240V ON/OFF e intensidad regulable entre 1 y 10V o DALI integrada. Dotada de pasacable IP65, para cable en goma 5mm<ø<10mm y una caja de conexiones a 2 polos para una conexión rápida. Para garantizar la estanqueidad del pasacable se aconseja usar cables eléctricos flexibles y específicos para exteriores.

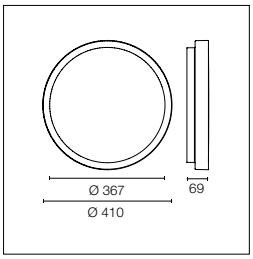
**Mid-Power Led:** 34W - 3590 lm ≠ OUTPUT 2345 lm - 2700K/CRI 80 - 220÷240V / 34W - 3860 lm ≠ OUTPUT 2521 lm - 3000K/CRI 80 - 220÷240V / 34W - 4152 lm ≠ OUTPUT 2712 lm - 4000K/CRI 80 - 220÷240V

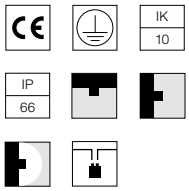
| 2700K | 3000K | 4000K |
|---|---|---|
| Non Dimmable | Non Dimmable | Non Dimmable |
| FA533422 | FA533432 | FA533442 |
| 1-10V | 1-10V | 1-10V |
| FA533422-310 | FA533432-310 | FA533442-310 |
| Dali | Dali | Dali |
| FA533422-300 | FA533432-300 | FA533442-300 |




@ 4000K

## Platter 410 Deep Brown / Pale Brown



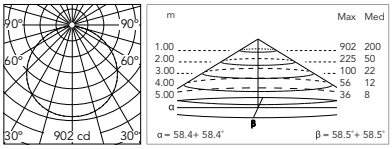




LED source included. Integrated power supply 220-240V ON/OFF and dimmable 1-10V or DALI.
With IP65 cable guide for rubber cables 5mm<ø<10mm and a 2-pole connection box for a fast connection. To ensure the tightness of the cable guide it's recommended to use flexible electric cables suitable for exterior use.

Fuente LED incluida. Fuente de alimentación eléctrica 220-240V ON/OFF e intensidad regulable entre 1 y 10V o DALI integrada. Dotada de pasacable IP65, para cable en goma 5mm<ø<10mm y una caja de conexiones a 2 polos para una conexión rápida. Para garantizar la estanqueidad del pasacable se aconseja usar cables eléctricos flexibles y específicos para exteriores.

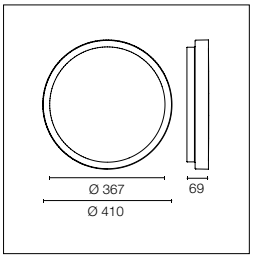
**Mid-Power Led:** 34W - 3590 lm ≠ OUTPUT 2345 lm - 2700K/CRI 80 - 220÷240V / 34W - 3860 lm ≠ OUTPUT 2521 lm - 3000K/CRI 80 - 220÷240V / 34W - 4152 lm ≠ OUTPUT 2712 lm - 4000K/CRI 80 - 220÷240V

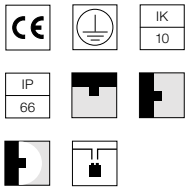
| 2700K | 3000K | 4000K |
|---|---|---|
| Non Dimmable | Non Dimmable | Non Dimmable |
| FA533423 | FA533433 | FA533443 |
| 1-10V | 1-10V | 1-10V |
| FA533423-310 | FA533433-310 | FA533443-310 |
| Dali | Dali | Dali |
| FA533423-300 | FA533433-300 | FA533443-300 |




@ 4000K

## Platter 410 Forest Green / Olive Green



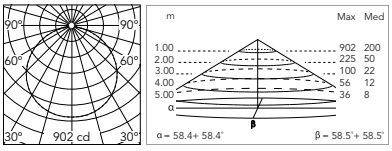




LED source included. Integrated power supply 220-240V ON/OFF and dimmable 1-10V or DALI.
With IP65 cable guide for rubber cables 5mm<ø<10mm and a 2-pole connection box for a fast connection. To ensure the tightness of the cable guide it's recommended to use flexible electric cables suitable for exterior use.

Fuente LED incluida. Fuente de alimentación eléctrica 220-240V ON/OFF e intensidad regulable entre 1 y 10V o DALI integrada. Dotada de pasacable IP65, para cable en goma 5mm<ø<10mm y una caja de conexiones a 2 polos para una conexión rápida. Para garantizar la estanqueidad del pasacable se aconseja usar cables eléctricos flexibles y específicos para exteriores.

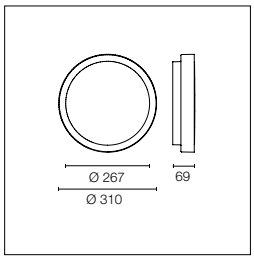
**Mid-Power Led:** 34W - 3590 lm ≠ OUTPUT 2345 lm - 2700K/CRI 80 - 220÷240V / 34W - 3860 lm ≠ OUTPUT 2521 lm - 3000K/CRI 80 - 220÷240V / 34W - 4152 lm ≠ OUTPUT 2712 lm - 4000K/CRI 80 - 220÷240V

| 2700K | 3000K | 4000K |
|---|---|---|
| Non Dimmable | Non Dimmable | Non Dimmable |
| FA533424 | FA533434 | FA533444 |
| 1-10V | 1-10V | 1-10V |
| FA533424-310 | FA533434-310 | FA533444-310 |
| Dali | Dali | Dali |
| FA533424-300 | FA533434-300 | FA533444-300 |




@ 4000K

## Platter 310




IK 10

IP 66

LED source included. Integrated power supply 220-240V ON/OFF and dimmable 1-10V or DALI. With IP65 cable guide for rubber cables 5mm<ø<10mm and a 2-pole connection box for a fast connection. To ensure the tightness of the cable guide it's recommended to use flexible electric cables suitable for exterior use.

Fuente LED incluida. Fuente de alimentación eléctrica 220-240V ON/OFF e intensidad regulable entre 1 y 10V o DALI integrada. Dotada de pasacable IP65, para cable en goma 5mm<ø<10mm y una caja de conexiones a 2 polos para una conexión rápida. Para garantizar la estanqueidad del pasacable se aconseja usar cables eléctricos flexibles y específicos para exteriores.

**Mid-Power Led:** 18W - 1874 lm ≠ OUTPUT 1150 lm - 2700K/CRI 80 - 220÷240V / 18W - 2015 lm ≠ OUTPUT 1237 lm - 3000K/CRI 80 - 220÷240V / 18W - 2168 lm ≠ OUTPUT 1330 lm - 4000K/CRI 80 - 220÷240V

**2700K**

Non Dimmable
- FA53305101
- FA53305106
- FA53305112
- FA53305118
- FA53305130
- FA53305133

1-10V
- FA53305101-310
- FA53305106-310
- FA53305112-310
- FA53305118-310
- FA53305130-310
- FA53305133-310

Dali
- FA53305101-300
- FA53305106-300
- FA53305112-300
- FA53305118-300
- FA53305130-300
- FA53305133-300

**3000K**

Non Dimmable
- FA53301201
- FA53301206
- FA53301212
- FA53301218
- FA53301230
- FA53301233

1-10V
- FA53301201-310
- FA53301206-310
- FA53301212-310
- FA53301218-310
- FA53301230-310
- FA53301233-310

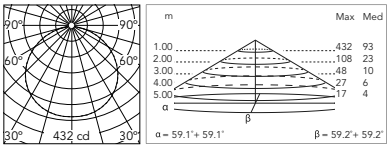
Dali
- FA53301201-300
- FA53301206-300
- FA53301212-300
- FA53301218-300
- FA53301230-300
- FA53301233-300

**4000K**

Non Dimmable
- FA53301101
- FA53301106
- FA53301112
- FA53301118
- FA53301130
- FA53301133

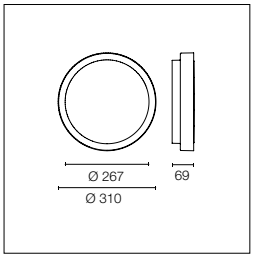
1-10V
- FA53301101-310
- FA53301106-310
- FA53301112-310
- FA53301118-310
- FA53301130-310
- FA53301133-310

Dali
- FA53301101-300
- FA53301106-300
- FA53301112-300
- FA53301118-300
- FA53301130-300
- FA53301133-300




@ 4000K

## Platter 310 Grey / Brown Brick




IK 10

IP 66

LED source included. Integrated power supply 220-240V ON/OFF and dimmable 1-10V or DALI. With IP65 cable guide for rubber cables 5mm<ø<10mm and a 2-pole connection box for a fast connection. To ensure the tightness of the cable guide it's recommended to use flexible electric cables suitable for exterior use.

Fuente LED incluida. Fuente de alimentación eléctrica 220-240V ON/OFF e intensidad regulable entre 1 y 10V o DALI integrada. Dotada de pasacable IP65, para cable en goma 5mm<ø<10mm y una caja de conexiones a 2 polos para una conexión rápida. Para garantizar la estanqueidad del pasacable se aconseja usar cables eléctricos flexibles y específicos para exteriores.

**Mid-Power Led:** 18W - 1874 lm ≠ OUTPUT 1150 lm - 2700K/CRI 80 - 220÷240V / 18W - 2015 lm ≠ OUTPUT 1237 lm - 3000K/CRI 80 - 220÷240V / 18W - 2168 lm ≠ OUTPUT 1330 lm - 4000K/CRI 80 - 220÷240V

**2700K**

Non Dimmable
- FA533321

1-10V
- FA533321-310

Dali
- FA533321-300

**3000K**

Non Dimmable
- FA533331

1-10V
- FA533331-310

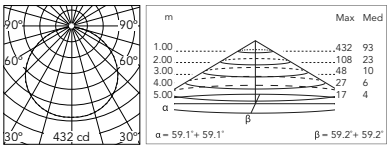
Dali
- FA533331-300

**4000K**

Non Dimmable
- FA533341

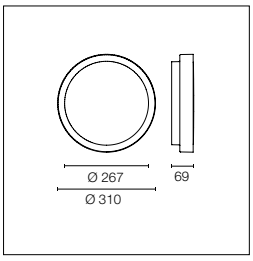
1-10V
- FA533341-310

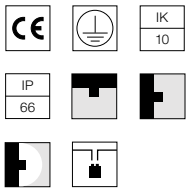
Dali
- FA533341-300




@ 4000K

## Platter 310 Anthracite / Pale Blue



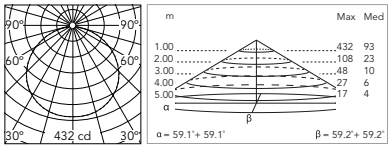




LED source included. Integrated power supply 220-240V ON/OFF and dimmable 1-10V or DALI.
With IP65 cable guide for rubber cables 5mm<ø<10mm and a 2-pole connection box for a fast connection. To ensure the tightness of the cable guide it's recommended to use flexible electric cables suitable for exterior use.

Fuente LED incluida. Fuente de alimentación eléctrica 220-240V ON/OFF e intensidad regulable entre 1 y 10V o DALI integrada. Dotada de pasacable IP65, para cable en goma 5mm<ø<10mm y una caja de conexiones a 2 polos para una conexión rápida. Para garantizar la estanqueidad del pasacable se aconseja usar cables eléctricos flexibles y específicos para exteriores.

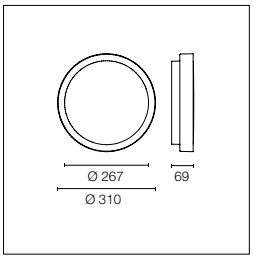
**Mid-Power Led:** 18W - 1874 lm ≠ OUTPUT 1150 lm - 2700K/CRI 80 - 220÷240V / 18W - 2015 lm ≠ OUTPUT 1237 lm - 3000K/CRI 80 - 220÷240V / 18W - 2168 lm ≠ OUTPUT 1330 lm - 4000K/CRI 80 - 220÷240V

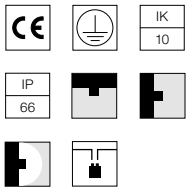
| 2700K | 3000K | 4000K |
|---|---|---|
| Non Dimmable | Non Dimmable | Non Dimmable |
| FA533322 | FA533332 | FA533342 |
| 1-10V | 1-10V | 1-10V |
| FA533322-310 | FA533332-310 | FA533342-310 |
| Dali | Dali | Dali |
| FA533322-300 | FA533332-300 | FA533342-300 |




@ 4000K

## Platter 310 Deep Brown / Pale Brown



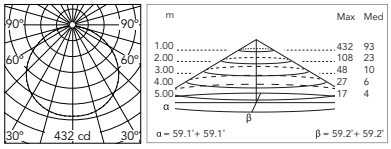




LED source included. Integrated power supply 220-240V ON/OFF and dimmable 1-10V or DALI.
With IP65 cable guide for rubber cables 5mm<ø<10mm and a 2-pole connection box for a fast connection. To ensure the tightness of the cable guide it's recommended to use flexible electric cables suitable for exterior use.

Fuente LED incluida. Fuente de alimentación eléctrica 220-240V ON/OFF e intensidad regulable entre 1 y 10V o DALI integrada. Dotada de pasacable IP65, para cable en goma 5mm<ø<10mm y una caja de conexiones a 2 polos para una conexión rápida. Para garantizar la estanqueidad del pasacable se aconseja usar cables eléctricos flexibles y específicos para exteriores.

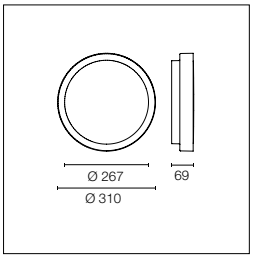
**Mid-Power Led:** 18W - 1874 lm ≠ OUTPUT 1150 lm - 2700K/CRI 80 - 220÷240V / 18W - 2015 lm ≠ OUTPUT 1237 lm - 3000K/CRI 80 - 220÷240V / 18W - 2168 lm ≠ OUTPUT 1330 lm - 4000K/CRI 80 - 220÷240V

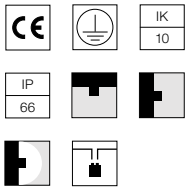
| 2700K | 3000K | 4000K |
|---|---|---|
| Non Dimmable | Non Dimmable | Non Dimmable |
| FA533323 | FA533333 | FA533343 |
| 1-10V | 1-10V | 1-10V |
| FA533323-310 | FA533333-310 | FA533343-310 |
| Dali | Dali | Dali |
| FA533323-300 | FA533333-300 | FA533343-300 |




@ 4000K

## Platter 310 Forest Green / Olive Green



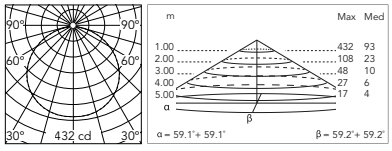




LED source included. Integrated power supply 220-240V ON/OFF and dimmable 1-10V or DALI.
With IP65 cable guide for rubber cables 5mm<ø<10mm and a 2-pole connection box for a fast connection. To ensure the tightness of the cable guide it's recommended to use flexible electric cables suitable for exterior use.

Fuente LED incluida. Fuente de alimentación eléctrica 220-240V ON/OFF e intensidad regulable entre 1 y 10V o DALI integrada. Dotada de pasacable IP65, para cable en goma 5mm<ø<10mm y una caja de conexiones a 2 polos para una conexión rápida. Para garantizar la estanqueidad del pasacable se aconseja usar cables eléctricos flexibles y específicos para exteriores.

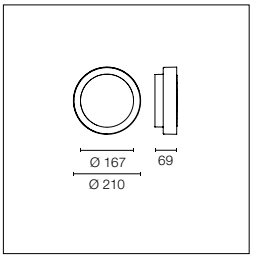
**Mid-Power Led:** 18W - 1874 lm ≠ OUTPUT 1150 lm - 2700K/CRI 80 - 220÷240V / 18W - 2015 lm ≠ OUTPUT 1237 lm - 3000K/CRI 80 - 220÷240V / 18W - 2168 lm ≠ OUTPUT 1330 lm - 4000K/CRI 80 - 220÷240V

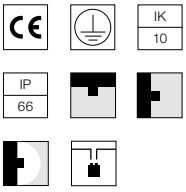
| 2700K | 3000K | 4000K |
|---|---|---|
| Non Dimmable | Non Dimmable | Non Dimmable |
| FA533324 | FA533334 | FA533344 |
| 1-10V | 1-10V | 1-10V |
| FA533324-310 | FA533334-310 | FA533344-310 |
| Dali | Dali | Dali |
| FA533324-300 | FA533334-300 | FA533344-300 |




@ 4000K

## Platter 210



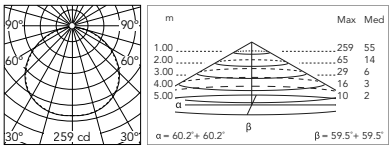




LED source included. Integrated electrical power supply 220-240V ON/OFF. With IP65 cable guide for rubber cables 5mm<ø<10mm and a 2-pole connection box for a fast connection. To ensure the tightness of the cable guide it's recommended to use flexible electric cables suitable for exterior use.

Fuente LED incluida. Fuente de alimentación eléctrica 220-240V ON/OFF integrada. Dotada de pasacable IP65, para cable en goma 5mm<ø<10mm y una caja de conexiones a 2 polos para una conexión rápida. Para garantizar la estanqueidad del pasacable se aconseja usar cables eléctricos flexibles y específicos para exteriores.

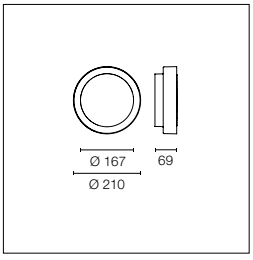
**Mid-Power Led:** 11W - 1202 lm ≠ OUTPUT 732 lm - 2700K/CRI 80 - 220÷240V / 11W - 1292 lm ≠ OUTPUT 787 lm - 3000K/CRI 80 - 220÷240V / 11W - 1334 lm ≠ OUTPUT 812 lm - 4000K/CRI 80 - 220÷240V

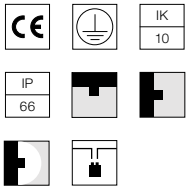
| 2700K | 3000K | 4000K |
|---|---|---|
| FA53305001 | FA53300201 | FA53300101 |
| FA53305006 | FA53300206 | FA53300106 |
| FA53305012 | FA53300212 | FA53300112 |
| FA53305018 | FA53300218 | FA53300118 |
| FA53305030 | FA53300230 | FA53300130 |
| FA53305033 | FA53300233 | FA53300133 |




@ 4000K

## Platter 210 Grey / Brown Brick



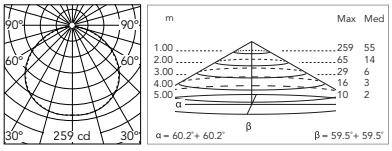




LED source included. Integrated electrical power supply 220-240V ON/OFF. With IP65 cable guide for rubber cables 5mm<ø<10mm and a 2-pole connection box for a fast connection. To ensure the tightness of the cable guide it's recommended to use flexible electric cables suitable for exterior use.

Fuente LED incluida. Fuente de alimentación eléctrica 220-240V ON/OFF integrada. Dotada de pasacable IP65, para cable en goma 5mm<ø<10mm y una caja de conexiones a 2 polos para una conexión rápida. Para garantizar la estanqueidad del pasacable se aconseja usar cables eléctricos flexibles y específicos para exteriores.

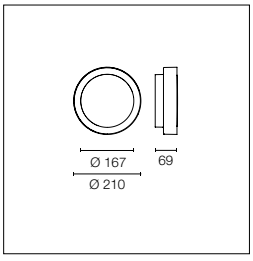
**Mid-Power Led:** 11W - 1261 lm ≠ OUTPUT 765 lm - 2700K/CRI 80 - 220÷240V / 11W - 1292 lm ≠ OUTPUT 787 lm - 3000K/CRI 80 - 220÷240V / 11W - 1334 lm ≠ OUTPUT 812 lm - 4000K/CRI 80 - 220÷240V

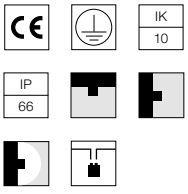
| 2700K | 3000K | 4000K |
|---|---|---|
| FA533221 | FA533231 | FA533241 |




@ 4000K

## Platter 210 Anthracite / Pale Blue



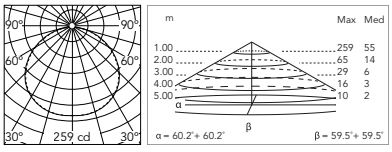




LED source included. Integrated electrical power supply 220-240V ON/OFF. With IP65 cable guide for rubber cables 5mm<ø<10mm and a 2-pole connection box for a fast connection. To ensure the tightness of the cable guide it's recommended to use flexible electric cables suitable for exterior use.

Fuente LED incluida. Fuente de alimentación eléctrica 220-240V ON/OFF integrada. Dotada de pasacable IP65, para cable en goma 5mm<ø<10mm y una caja de conexiones a 2 polos para una conexión rápida. Para garantizar la estanqueidad del pasacable se aconseja usar cables eléctricos flexibles y específicos para exteriores.

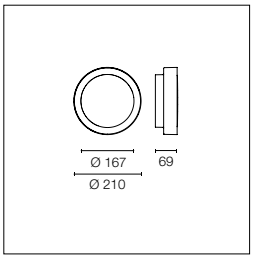
**Mid-Power Led:** 11W - 1202 lm ≠ OUTPUT 732 lm - 2700K/CRI 80 - 220÷240V / 11W - 1292 lm ≠ OUTPUT 787 lm - 3000K/CRI 80 - 220÷240V / 11W - 1334 lm ≠ OUTPUT 812 lm - 4000K/CRI 80 - 220÷240V

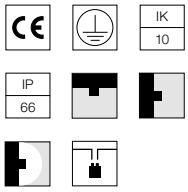
| 2700K | 3000K | 4000K |
|---|---|---|
| FA533222 | FA533232 | FA533242 |




@ 4000K

## Platter 210 Deep Brown / Pale Brown



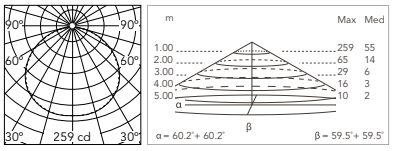




LED source included. Integrated electrical power supply 220-240V ON/OFF. With IP65 cable guide for rubber cables 5mm<ø<10mm and a 2-pole connection box for a fast connection. To ensure the tightness of the cable guide it's recommended to use flexible electric cables suitable for exterior use.

Fuente LED incluida. Fuente de alimentación eléctrica 220-240V ON/OFF integrada. Dotada de pasacable IP65, para cable en goma 5mm<ø<10mm y una caja de conexiones a 2 polos para una conexión rápida. Para garantizar la estanqueidad del pasacable se aconseja usar cables eléctricos flexibles y específicos para exteriores.

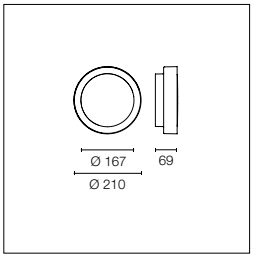
**Mid-Power Led:** 11W - 1202 lm ≠ OUTPUT 732 lm - 2700K/CRI 80 - 220÷240V / 11W - 1292 lm ≠ OUTPUT 787 lm - 3000K/CRI 80 - 220÷240V / 11W - 1334 lm ≠ OUTPUT 812 lm - 4000K/CRI 80 - 220÷240V

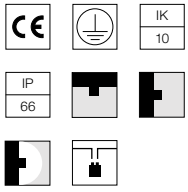
| 2700K | 3000K | 4000K |
|---|---|---|
| FA533223 | FA533233 | FA533243 |




@ 4000K

## Platter 210 Forest Green / Olive Green



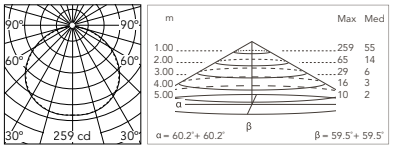




LED source included. Integrated electrical power supply 220-240V ON/OFF. With IP65 cable guide for rubber cables 5mm<ø<10mm and a 2-pole connection box for a fast connection. To ensure the tightness of the cable guide it's recommended to use flexible electric cables suitable for exterior use.

Fuente LED incluida. Fuente de alimentación eléctrica 220-240V ON/OFF integrada. Dotada de pasacable IP65, para cable en goma 5mm<ø<10mm y una caja de conexiones a 2 polos para una conexión rápida. Para garantizar la estanqueidad del pasacable se aconseja usar cables eléctricos flexibles y específicos para exteriores.

**Mid-Power Led:** 11W - 1202 lm ≠ OUTPUT 732 lm - 2700K/CRI 80 - 220÷240V / 11W - 1292 lm ≠ OUTPUT 787 lm - 3000K/CRI 80 - 220÷240V / 11W - 1334 lm ≠ OUTPUT 812 lm - 4000K/CRI 80 - 220÷240V

| 2700K | 3000K | 4000K |
|---|---|---|
| FA533224 | FA533234 | FA533244 |



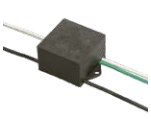

@ 4000K

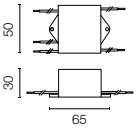
## Platter: Accessories / Accesorios

Surge protection device. 275Vac. Maximum discharge current 10KA (8/20μs). Maximum operating current 5A. Suitable for series connection. IP66.

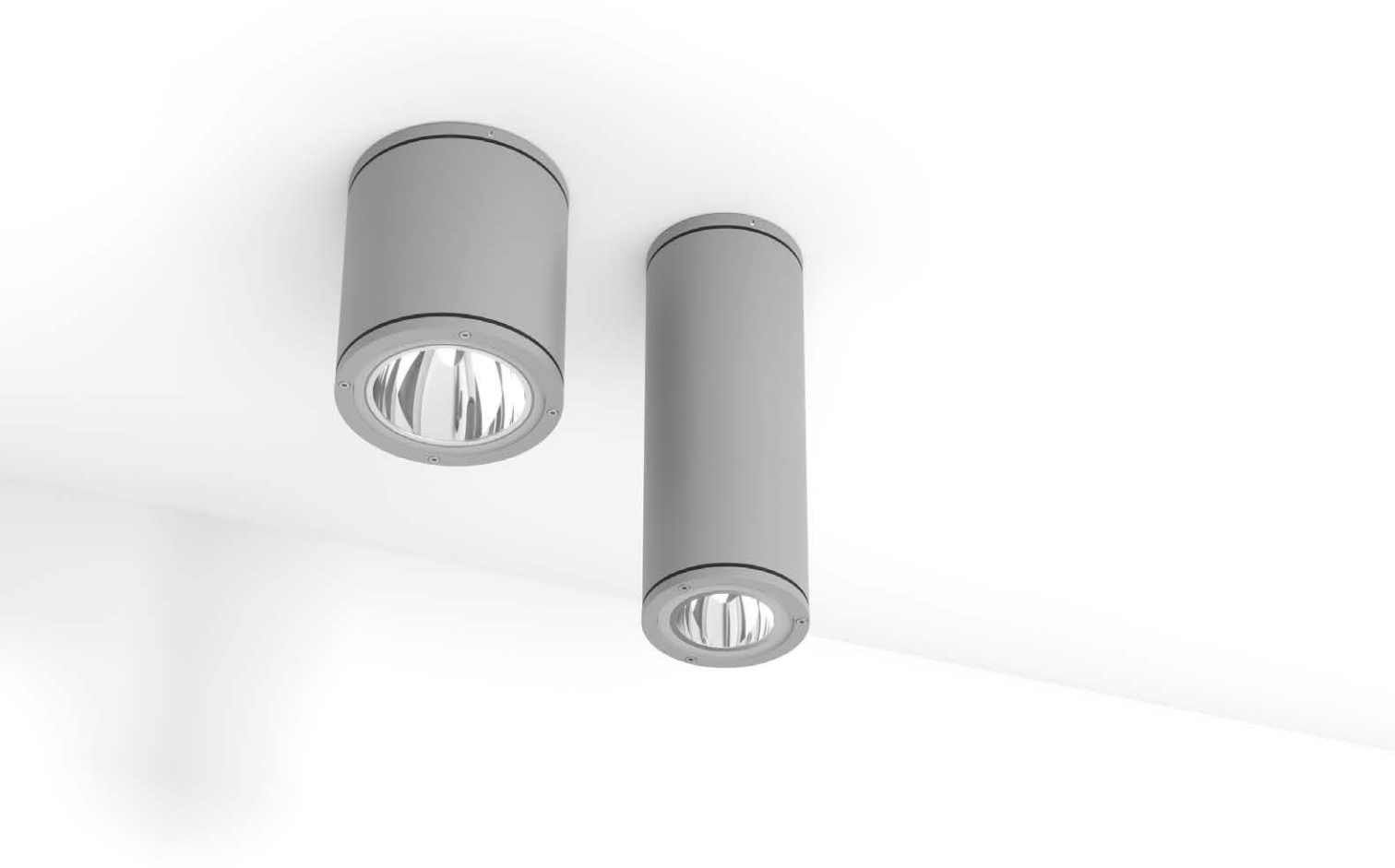
Dispositivo de protección contra sobrecargas. 275 Vac. Corriente de descarga máxima 10KA (8/20μs). Corriente máxima de funcionamiento 5A. Apta para conexión en serie. IP66.

F990E00A000





# Emma



Emma Ceiling 2

Emma Wall 1

Emma Wall 3

## Emma Wall 1

**Par 16**
up to 35W
230V - GZ10

**Power Led**
up to 6W
up to 303 lm - 2700K/CRI 80
up to 328 lm - 3000K/CRI 80
up to 340 lm - 4000K/CRI 80
* Net lumen output
2200K available on request.

## Emma Wall 2
Mono / Double

**Par 16**
up to 35W
230V - GZ10

**Power Led**
up to 6,5W
up to 439 lm - 2700K/CRI 80
up to 472 lm - 3000K/CRI 80
up to 488 lm - 4000K/CRI 80
* Net lumen output
2200K available on request.

**Par 16**
up to 2 x 35W
230V - GZ10

**Power Led**
up to 12W
up to 2x439 lm - 2700K/CRI 80
up to 2x472 lm - 3000K/CRI 80
up to 2x488 lm - 4000K/CRI 80
* Net lumen output
2200K available on request.

## Emma Wall 3
Mono / Double

**CoB Led**
up to 14,5W
up to 1569 lm - 2700K/CRI 80
up to 1687 lm - 3000K/CRI 80
up to 1757 lm - 4000K/CRI 80
* Net lumen output

**CoB Led**
up to 27W
up to 2x1569 lm - 2700K/CRI 80
up to 2x1687 lm - 3000K/CRI 80
up to 2x1757 lm - 4000K/CRI 80
* Net lumen output

## Emma Wall 4
Mono / Double

**CoB Led**
up to 20W
up to 2121 lm - 2700K/CRI 80
up to 2281 lm - 3000K/CRI 80
up to 2382 lm - 4000K/CRI 80
* Net lumen output

**CoB Led**
up to 39W
up to 2x2121 lm - 2700K/CRI 80
up to 2x2281 lm - 3000K/CRI 80
up to 2x2382 lm - 4000K/CRI 80
* Net lumen output

## Emma Ceiling 2

**Power Led**
up to 6W
up to 314 lm - 2700K/CRI 80
up to 338 lm - 3000K/CRI 80
up to 363 lm - 4000K/CRI 80
* Net lumen output

## Emma Ceiling 3

**CoB Led**
up to 12W
up to 752 lm - 3000K/CRI 80

**CoB Led**
up to 15W
up to 1455 lm - 2700K/CRI 80
up to 1564 lm - 3000K/CRI 80
up to 1641 lm - 4000K/CRI 80
* Net lumen output

## Emma Ceiling 4

**CoB Led**
up to 24W
up to 1659 lm - 3000K/CRI 80

**CoB Led**
up to 20W
up to 1907 lm - 2700K/CRI 80
up to 2050 lm - 3000K/CRI 80
up to 2102 lm - 4000K/CRI 80
* Net lumen output

## Description / Descripción

Complete luminaire family with LED source for wall and ceiling mounting. Defined by their cylinder shape. Available in different diameters and different finishes, with double-layered powder coating and chemical conversion surface treatment to ensure high corrosion resistance. The fixing screws are made of stainless steel AISI 316L.

**Emma Wall**
Wall luminaire, available in three different diameters. Available in mono-emission and bi-emission versions with different beam angles. Extruded aluminum body, EN AB-47100 die cast aluminum mounting plate and top and bottom lid (with low copper content). Extraclear glass diffuser with silkscreen edge, attached flush to the edge of the lamp with a robotic gluing system to avoid water deposits. Stainless steel bracket included.

**Emma Ceiling**
Ceiling luminaire, available in three different diameters and different beam angles. Extruded aluminum body, EN AB-47100 die cast aluminum mounting plate and top and bottom lid (with low copper content). Extraclear glass diffuser with silkscreen and textured edge, attached flush to the edge of the lamp with a robotic gluing system to avoid water deposits.

Familia completa de luminarias con fuente LED para instalación en pared y techo. Se caracteriza por la forma cilíndrica. Disponibles en diferentes diámetros y en diferentes acabados, con recubrimiento de polvo de doble capa y tratamiento superficial de conversión química para garantizar una elevada resistencia ante la corrosión. Los tornillos de fijación son de acero inoxidable AISI 316L.

**Emma Wall**
Luminaria de pared, disponible en tres diámetros diferentes. Disponible en versión monoemisión y biemisión con diferentes haces de apertura. Cuerpo de aluminio extruido; plaqueta de fijación y tapa superior e inferior de aluminio fundido a presión EN AB-47100 (con bajo contenido en cobre). Difusor de vidrio extraclaro con borde serigrafiado fijado al ras del borde de la lámpara, mediante un sistema de encolado robótico, para evitar depósitos de agua. Brida de fijación de acero inoxidable incluida.

**Emma Ceiling**
Luminaria de techo, disponible en tres diámetros diferentes y con diferentes haces de apertura. Cuerpo de aluminio extruido; plaqueta de fijación y tapa superior e inferior de aluminio fundido a presión EN AB-47100 (con bajo contenido en cobre). Difusor de vidrio extraclaro con borde serigrafiado y texturizado, fijado a ras del borde de la lámpara, mediante un sistema de encolado robótico, para evitar depósitos de agua.

## Colours / Colores


01 White

06 Grey

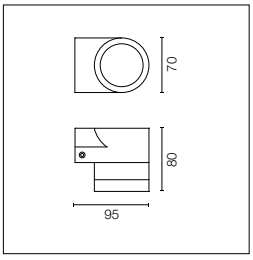
12 Forest Green

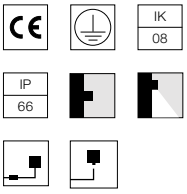
18 Deep Brown

30 Black

33 Anthracite

## Emma Wall 1 Retrofit



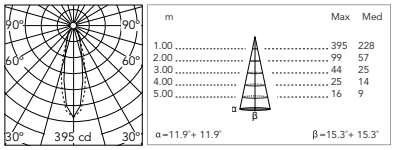




GZ10 bulb holder not included, compatible with retrofit LED bulbs. Electrical power supply 220-230V ON/OFF. With IP65 cable guide for rubber cables 5mm<ø<10mm and a 2-pole connection box for fast connections. To ensure the tightness of the cable guide it's recommended to use flexible electric cables suitable for exterior use.

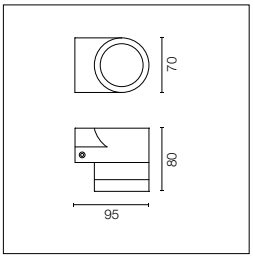
Casquillo GZ10 no incluido; compatible con bombillas LED retrofit. Fuente de alimentación eléctrica 220-230V ON/ OFF. Dotada de pasacables IP65 para cables en goma de 5mm<ø<10mm y una caja de conexión con 2 polos para conexiones rápidas. Para garantizar la estanqueidad del pasacable hay que usar cables eléctricos flexibles y específicos para exteriores.

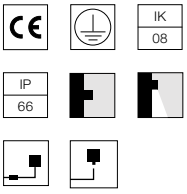
**PAR 16:** 35W - 230V - GZ 10 - Optional LED bulb: DR PAR 7,5W - 230V - GZ 10 - Lamp max size ø50mm H. 55mm

- ○ FA84280001.A
- ● FA84280006.A
- ● FA84280012.A
- ● FA84280018.A
- ● FA84280030.A
- ● FA84280033.A




## Emma Wall 1




LED source included. Integrated electrical power supply 220-240V ON/OFF. With IP65 cable guide for rubber cables 5mm<ø<10mm and a connection box for fast connections. To ensure the tightness of the cable guide it's recommended to use flexible electric cables suitable for exterior use.

2200K available on request.

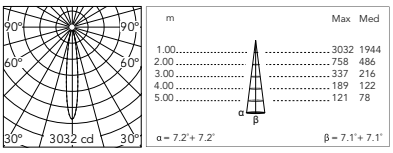
Fuente LED incluida. Fuente de alimentación eléctrica 220-240V ON/OFF integrada. Dotada de pasacables IP65 para cables en goma de 5mm<ø<10mm y una caja de conexión para conexiones rápidas. Para garantizar la estanqueidad del pasacable hay que usar cables eléctricos flexibles y específicos para exteriores.

2200K disponible bajo pedido.

### Optic Spot 14º

**Power Led:** 6W - 417 lm ≠ OUTPUT 303 lm - 2700K/CRI 80 - 220÷230V / 6W - 447 lm ≠ OUTPUT 328 lm - 3000K/CRI 80 - 220÷230V / 6W - 462 lm ≠ OUTPUT 340 lm - 4000K/CRI 80 - 220÷230V

| 2700K | 3000K | 4000K |
|---|---|---|
| ○ FA844281101.A | ○ FA844281201.A | ○ FA844281301.A |
| ● FA844281106.A | ● FA844281206.A | ● FA844281306.A |
| ● FA844281112.A | ● FA844281212.A | ● FA844281312.A |
| ● FA844281118.A | ● FA844281218.A | ● FA844281318.A |
| ● FA844281130.A | ● FA844281230.A | ● FA844281330.A |
| ● FA844281133.A | ● FA844281233.A | ● FA844281333.A |

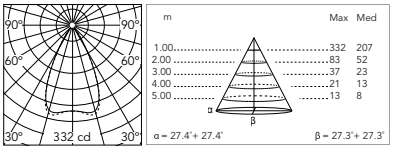



@ 3000K

### Optic Medium 54º

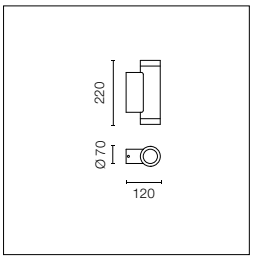
**Power Led:** 6W - 417 lm ≠ OUTPUT 270 lm - 2700K/CRI 80 - 220÷230V / 6W - 447 lm ≠ OUTPUT 293 lm - 3000K/CRI 80 - 220÷230V / 6W - 462 lm ≠ OUTPUT 304 lm - 4000K/CRI 80 - 220÷230V

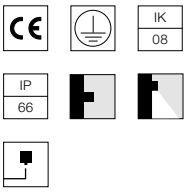
| 2700K | 3000K | 4000K |
|---|---|---|
| ○ FA844282101.A | ○ FA844282201.A | ○ FA844282301.A |
| ● FA844282106.A | ● FA844282206.A | ● FA844282306.A |
| ● FA844282112.A | ● FA844282212.A | ● FA844282312.A |
| ● FA844282118.A | ● FA844282218.A | ● FA844282318.A |
| ● FA844282130.A | ● FA844282230.A | ● FA844282330.A |
| ● FA844282133.A | ● FA844282233.A | ● FA844282333.A |




@ 3000K

## Emma Wall 2 Mono Retrofit



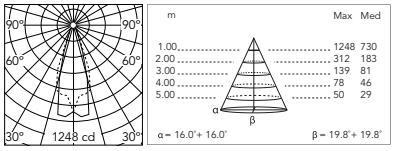




GZ10 bulb holder not included, compatible with retrofit LED bulbs. Electrical power supply 220-230V ON/OFF. With IP65 cable guide for rubber cables 5mm<ø<10mm and a connection box for fast connections. To ensure the tightness of the cable guide it's recommended to use flexible electric cables suitable for exterior use.

Casquillo GZ10 no incluido; compatible con bombillas LED retrofit. Fuente de alimentación eléctrica 220-230V ON/ OFF. Dotada de pasacable IP65 para cables en goma de 5mm<ø<10mm y una caja de conexión para conexiones rápidas. Para garantizar la estanqueidad del pasacable hay que usar cables eléctricos flexibles y específicos para exteriores.

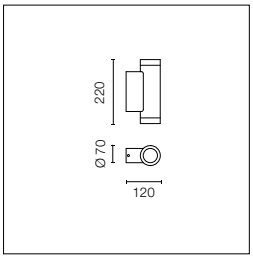
**PAR 16:** 35W - 230V - GZ 10 - Lamp max size ø50mm H. 55mm - Optional LED bulb: DR PAR 7,5W - 230V - GZ 10

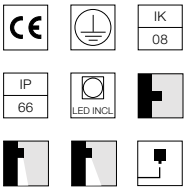
- ○ FA116282101
- ● FA116282106
- ● FA116282112
- ● FA116282118
- ● FA116282130
- ● FA116282133




@ 4000K

## Emma Wall 2 Mono Led




LED source included. Integrated electrical power supply 220-240V ON/OFF. With IP65 cable guide for rubber cables 5mm<ø<10mm and a connection box for fast connections. To ensure the tightness of the cable guide it's recommended to use flexible electric cables suitable for exterior use.

2200K available on request.

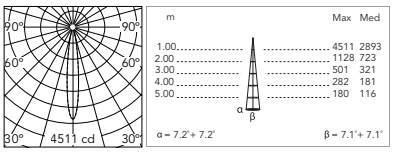
Fuente LED incluida. Fuente de alimentación eléctrica 220-240V ON/OFF integrada. Dotada de pasacables IP65 para cables de goma de 5mm<ø<10mm y una caja de conexión para conexiones rápidas. Para garantizar la estanqueidad del pasacable hay que usar cables eléctricos flexibles y específicos para exteriores.

2200K disponible bajo pedido.

### Optic Spot 14º

**Power Led:** 6,5W - 574 lm ≠ OUTPUT 439 lm - 2700K/CRI 80 - 110÷240V / 6,5W - 617 lm ≠ OUTPUT 472 lm - 3000K/CRI 80 - 110÷240V / 6,5W - 649 lm ≠ OUTPUT 488 lm - 4000K/CRI 80 - 110÷240V

| 2700K | 3000K | 4000K |
|---|---|---|
| ○ FA116271201 | ○ FA116561201 | ○ FA1161721201 |
| ● FA116271206 | ● FA116561206 | ● FA1161721206 |
| ● FA116271212 | ● FA116561212 | ● FA1161721212 |
| ● FA116271218 | ● FA116561218 | ● FA1161721218 |
| ● FA116271230 | ● FA116561230 | ● FA1161721230 |
| ● FA116271233 | ● FA116561233 | ● FA1161721233 |

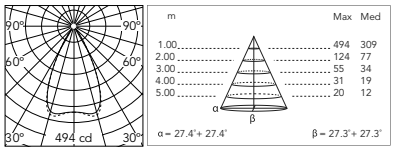



@ 4000K

### Optic Medium 54º

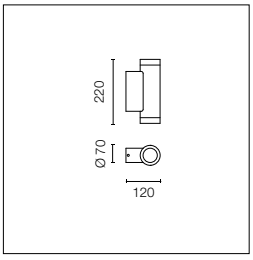
**Power Led:** 6,5W - 574 lm ≠ OUTPUT 392 lm - 2700K/CRI 80 - 110÷240V / 6,5W - 617 lm ≠ OUTPUT 422 lm - 3000K/CRI 80 - 110÷240V / 6,5W - 649 lm ≠ OUTPUT 436 lm - 4000K/CRI 80 - 110÷240V

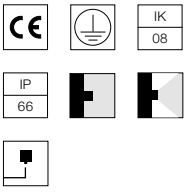
| 2700K | 3000K | 4000K |
|---|---|---|
| ○ FA116272101 | ○ FA116562101 | ○ FA1161722101 |
| ● FA116272106 | ● FA116562106 | ● FA1161722106 |
| ● FA116272112 | ● FA116562112 | ● FA1161722112 |
| ● FA116272118 | ● FA116562118 | ● FA1161722118 |
| ● FA116272130 | ● FA116562130 | ● FA1161722130 |
| ● FA116272133 | ● FA116562133 | ● FA1161722133 |




@ 4000K

## Emma Wall 2 Double Retrofit



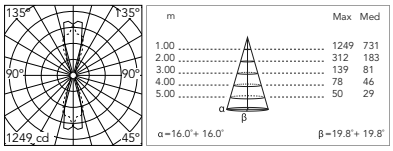




GZ10 bulb holder not included, compatible with retrofit LED bulbs. Electrical power supply 220-230V ON/OFF. With IP65 cable guide for rubber cables 5mm<ø<10mm and a 2-pole connection box for fast connections. To ensure the tightness of the cable guide it's recommended to use flexible electric cables suitable for exterior use.

Casquillo GZ10 no incluido; compatible con bombillas LED retrofit. Fuente de alimentación eléctrica 220-230V ON/OFF. Dotada de pasacables IP65 para cables en goma de 5mm<ø<10mm y una caja de conexión con 2 polos para conexiones rápidas. Para garantizar la estanqueidad del pasacable hay que usar cables eléctricos flexibles y específicos para exteriores.

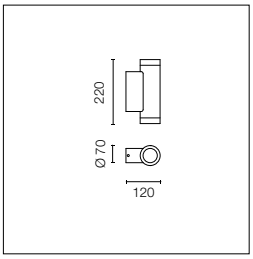
**PAR 16:** 2x35W - 230V - GZ 10 - Lamp max size ø50mm H. 55mm - Optional LED bulb: DR PAR 7,5W - 230V - GZ 10

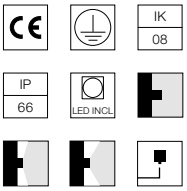
- ○ FA116284201
- ● FA116284206
- ● FA116284212
- ● FA116284218
- ● FA116284230
- ● FA116284233




@ 4000K

## Emma Wall 2 Double Led




LED source included. Electrical power supply 220-240V ON/OFF. With IP65 cable guide for rubber cables 5mm<ø<10mm and a connection box for fast connections. To ensure the tightness of the cable guide it's recommended to use flexible electric cables suitable for exterior use.

2200K available on request.

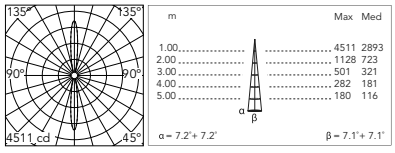
Fuente LED incluida. Fuente de alimentación eléctrica 220-240V ON/OFF. Dotada de pasacables IP65 para cables de goma de 5mm<ø<10mm y una caja de conexión para conexiones rápidas. Para garantizar la estanqueidad del pasacable hay que usar cables eléctricos flexibles y específicos para exteriores.

2200K disponible bajo pedido.

### Optic Spot 14º

**Power Led:** 12W - 2x574 lm ≠ OUTPUT 2x439 lm - 2700K/CRI 80 - 110÷240V / 12W - 2x617 lm ≠ OUTPUT 2x472 lm - 3000K/CRI 80 - 110÷240V / 12W - 2x649 lm ≠ OUTPUT 2x488 lm - 4000K/CRI 80 - 110÷240V

| 2700K | 3000K | 4000K |
|---|---|---|
| ○ FA1162711301 | ○ FA1165611301 | ○ FA11617211301 |
| ● FA1162711306 | ● FA1165611306 | ● FA11617211306 |
| ● FA1162711312 | ● FA1165611312 | ● FA11617211312 |
| ● FA1162711318 | ● FA1165611318 | ● FA11617211318 |
| ● FA1162711330 | ● FA1165611330 | ● FA11617211330 |
| ● FA1162711333 | ● FA1165611333 | ● FA11617211333 |

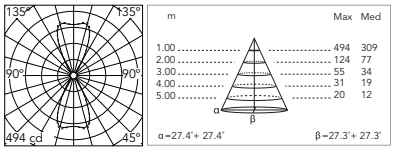



@ 4000K

### Optic Medium 54º

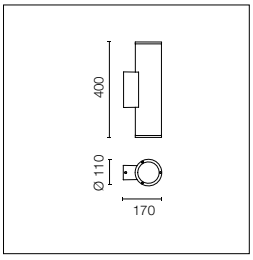
**Power Led:** 12W - 2x574 lm ≠ OUTPUT 2x392 lm - 2700K/CRI 80 - 110÷240V / 12W - 2x617 lm ≠ OUTPUT 2x422 lm - 3000K/CRI 80 - 110÷240V / 12W - 2x649 lm ≠ OUTPUT 2x436 lm - 4000K/CRI 80 - 110÷240V

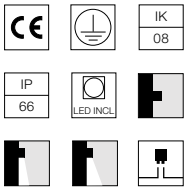
| 2700K | 3000K | 4000K |
|---|---|---|
| ○ FA116274201 | ○ FA116564201 | ○ FA1161724201 |
| ● FA116274206 | ● FA116564206 | ● FA1161724206 |
| ● FA116274212 | ● FA116564212 | ● FA1161724212 |
| ● FA116274218 | ● FA116564218 | ● FA1161724218 |
| ● FA116274230 | ● FA116564230 | ● FA1161724230 |
| ● FA116274233 | ● FA116564233 | ● FA1161724233 |




@ 4000K

## Emma Wall 3 Mono



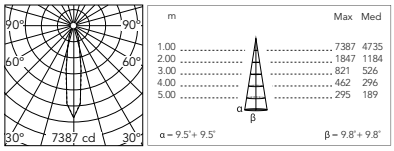

LED source included. Electrical power supply 220-240V ON/OFF. With IP65 cable guide for rubber cables 8mm<ø<12mm and a connection box for fast connections. To ensure the tightness of the cable guide it's recommended to use flexible electric cables suitable for exterior use.

Fuente LED incluida. Fuente de alimentación eléctrica 220-240V ON/OFF. Dotada de pasacables IP65 para cables de goma de 8mm<ø<12mm y una caja de conexión para conexiones rápidas. Para garantizar la estanqueidad del pasacable hay que usar cables eléctricos flexibles y específicos para exteriores.

**Optic Spot 20º**

**CoB Led:** 14,5W - 1895 lm ≠ OUTPUT 1569 lm - 2700K/CRI 80 - 220÷240V / 14,5W - 2038 lm ≠ OUTPUT 1687 lm - 3000K/CRI 80 - 220÷240V / 14,5W - 2123 lm ≠ OUTPUT 1757 lm - 4000K/CRI 80 - 220÷240V

| 2700K | 3000K | 4000K |
|---|---|---|
| FA11727914601.A | FA11726914601.A | FA11726814601.A |
| FA11727914606.A | FA11726914606.A | FA11726814606.A |
| FA11727914612.A | FA11726914612.A | FA11726814612.A |
| FA11727914618.A | FA11726914618.A | FA11726814618.A |
| FA11727914630.A | FA11726914630.A | FA11726814630.A |
| FA11727914633.A | FA11726914633.A | FA11726814633.A |

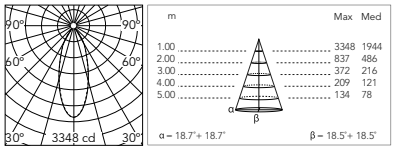



@ 4000K

**Optic Medium 38º**

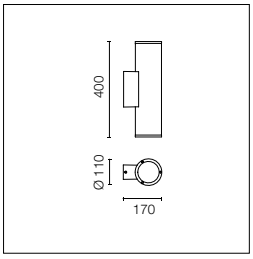
**CoB Led:** 14,5W - 1895 lm ≠ OUTPUT 1526 lm - 2700K/CRI 80 - 220÷240V / 14,5W - 2038 lm ≠ OUTPUT 1641 lm - 3000K/CRI 80 - 220÷240V / 14,5W - 2123 lm ≠ OUTPUT 1709 lm - 4000K/CRI 80 - 220÷240V

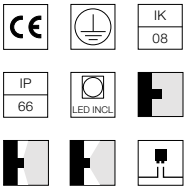
| 2700K | 3000K | 4000K |
|---|---|---|
| FA11727914701.A | FA11726914701.A | FA11726814701.A |
| FA11727914706.A | FA11726914706.A | FA11726814706.A |
| FA11727914712.A | FA11726914712.A | FA11726814712.A |
| FA11727914718.A | FA11726914718.A | FA11726814718.A |
| FA11727914730.A | FA11726914730.A | FA11726814730.A |
| FA11727914733.A | FA11726914733.A | FA11726814733.A |




@ 4000K

## Emma Wall 3 Double



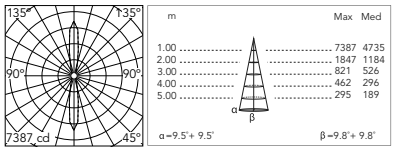

LED source included. Electrical power supply 220-240V ON/OFF. With IP65 cable guide for rubber cables 8mm<ø<12mm and a connection box for fast connections. To ensure the tightness of the cable guide it's recommended to use flexible electric cables suitable for exterior use.

Fuente LED incluida. Fuente de alimentación eléctrica 220-240V ON/OFF. Dotada de pasacables IP65 para cables de goma de 8mm<ø<12mm y una caja de conexión para conexiones rápidas. Para garantizar la estanqueidad del pasacable hay que usar cables eléctricos flexibles y específicos para exteriores.

**Optic Spot 20º**

**CoB Led:** 27W - 2x1895 lm ≠ OUTPUT 2x1569 lm - 2700K/CRI 80 - 220÷240V / 27W - 2x2038 lm ≠ OUTPUT 2x1687 lm - 3000K/CRI 80 - 220÷240V / 27W - 2x2123 lm ≠ OUTPUT 2x1757 lm - 4000K/CRI 80 - 220÷240V

| 2700K | 3000K | 4000K |
|---|---|---|
| FA11727914801.A | FA11726914801.A | FA11726814801.A |
| FA11727914806.A | FA11726914806.A | FA11726814806.A |
| FA11727914812.A | FA11726914812.A | FA11726814812.A |
| FA11727914818.A | FA11726914818.A | FA11726814818.A |
| FA11727914830.A | FA11726914830.A | FA11726814830.A |
| FA11727914833.A | FA11726914833.A | FA11726814833.A |

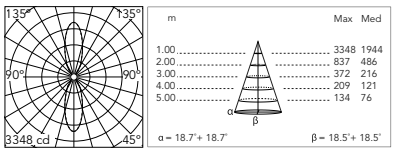



@ 4000K

**Optic Medium 38º**

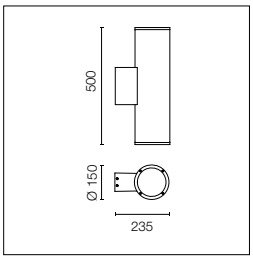
**CoB Led:** 27W - 2x1895 lm ≠ OUTPUT 2x1526 lm - 2700K/CRI 80 - 220÷240V / 27W - 2x2038 lm ≠ OUTPUT 2x1641 lm - 3000K/CRI 80 - 220÷240V / 27W - 2x2123 lm ≠ OUTPUT 2x1709 lm - 4000K/CRI 80 - 220÷240V

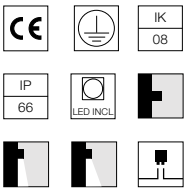
| 2700K | 3000K | 4000K |
|---|---|---|
| FA11727914901.A | FA11726914901.A | FA11726814901.A |
| FA11727914906.A | FA11726914906.A | FA11726814906.A |
| FA11727914912.A | FA11726914912.A | FA11726814912.A |
| FA11727914918.A | FA11726914918.A | FA11726814918.A |
| FA11727914930.A | FA11726914930.A | FA11726814930.A |
| FA11727914933.A | FA11726914933.A | FA11726814933.A |




@ 4000K

## Emma Wall 4 Mono



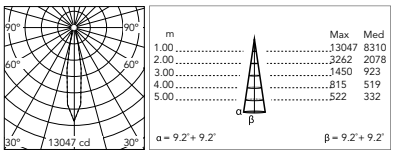

LED source included. Electrical power supply 220-240V ON/OFF. With IP65 cable guide for rubber cables 8mm<ø<12mm and a connection box for fast connections. To ensure the tightness of the cable guide it's recommended to use flexible electric cables suitable for exterior use.

Fuente LED incluida. Fuente de alimentación eléctrica 220-240V ON/OFF. Dotada de pasacables IP65 para cables de goma de 8mm<ø<12mm y una caja de conexión para conexiones rápidas. Para garantizar la estanqueidad del pasacable hay que usar cables eléctricos flexibles y específicos para exteriores.

### Optic Spot 18º

**CoB Led:** 20W - 2744 lm ≠ OUTPUT 2121 lm - 2700K/CRI 80 - 220÷240V / 20W - 2950 lm ≠ OUTPUT 2281 lm - 3000K/CRI 80 - 220÷240V / 20W - 3080 lm ≠ OUTPUT 2382 lm - 4000K/CRI 80 - 220÷240V

| 2700K | 3000K | 4000K |
|---|---|---|
| FA11828215001.A | FA11827215001.A | FA11827115001.A |
| FA11828215006.A | FA11827215006.A | FA11827115006.A |
| FA11828215012.A | FA11827215012.A | FA11827115012.A |
| FA11828215018.A | FA11827215018.A | FA11827115018.A |
| FA11828215030.A | FA11827215030.A | FA11827115030.A |
| FA11828215033.A | FA11827215033.A | FA11827115033.A |

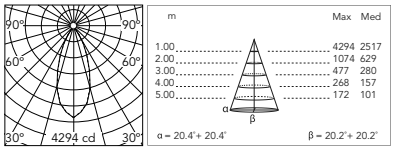



@ 4000K

### Optic Medium 42º

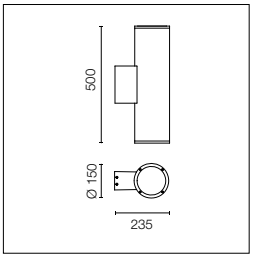
**CoB Led:** 20W - 2744 lm ≠ OUTPUT 2030 lm - 2700K/CRI 80 - 220÷240V / 20W - 2950 lm ≠ OUTPUT 2183 lm - 3000K/CRI 80 - 220÷240V / 20W - 3080 lm ≠ OUTPUT 2279 lm - 4000K/CRI 80 - 220÷240V

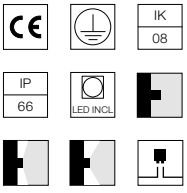
| 2700K | 3000K | 4000K |
|---|---|---|
| FA11828215101.A | FA11827215101.A | FA11827115101.A |
| FA11828215106.A | FA11827215106.A | FA11827115106.A |
| FA11828215112.A | FA11827215112.A | FA11827115112.A |
| FA11828215118.A | FA11827215118.A | FA11827115118.A |
| FA11828215130.A | FA11827215130.A | FA11827115130.A |
| FA11828215133.A | FA11827215133.A | FA11827115133.A |




@ 4000K

## Emma Wall 4 Double



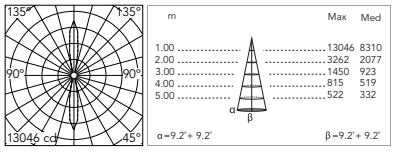

LED source included. Electrical power supply 220-240V ON/OFF. With IP65 cable guide for rubber cables 8mm<ø<12mm and a connection box for fast connections. To ensure the tightness of the cable guide it's recommended to use flexible electric cables suitable for exterior use.

Fuente LED incluida. Fuente de alimentación eléctrica 220-240V ON/OFF. Dotada de pasacables IP65 para cables de goma de 8mm<ø<12mm y una caja de conexión para conexiones rápidas. Para garantizar la estanqueidad del pasacable hay que usar cables eléctricos flexibles y específicos para exteriores.

### Optic Spot 18º

**CoB Led:** 39W - 2x2744 lm ≠ OUTPUT 2x2121 lm - 2700K/CRI 80 - 220÷240V / 39W - 2x2950 lm ≠ OUTPUT 2x2281 lm - 3000K/CRI 80 - 220÷240V / 39W - 2x3080 lm ≠ OUTPUT 2x2382 lm - 4000K/CRI 80 - 220÷240V

| 2700K | 3000K | 4000K |
|---|---|---|
| FA11828215201.A | FA11827215201.A | FA11827115201.A |
| FA11828215206.A | FA11827215206.A | FA11827115206.A |
| FA11828215212.A | FA11827215212.A | FA11827115212.A |
| FA11828215218.A | FA11827215218.A | FA11827115218.A |
| FA11828215230.A | FA11827215230.A | FA11827115230.A |
| FA11828215233.A | FA11827215233.A | FA11827115233.A |

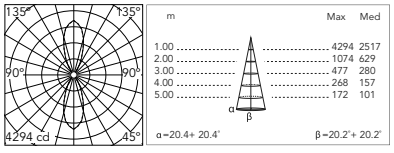



@ 4000K

### Optic Medium 42º

**CoB Led:** 39W - 2x2744 lm ≠ OUTPUT 2x2030 lm - 2700K/CRI 80 - 220÷240V / 39W - 2x2950 lm ≠ OUTPUT 2x2183 lm - 3000K/CRI 80 - 220÷240V / 39W - 2x3080 lm ≠ OUTPUT 2x2279 lm - 4000K/CRI 80 - 220÷240V

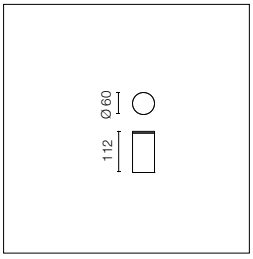
| 2700K | 3000K | 4000K |
|---|---|---|
| FA11828215301.A | FA11827215301.A | FA11827115301.A |
| FA11828215306.A | FA11827215306.A | FA11827115306.A |
| FA11828215312.A | FA11827215312.A | FA11827115312.A |
| FA11828215318.A | FA11827215318.A | FA11827115318.A |
| FA11828215330.A | FA11827215330.A | FA11827115330.A |
| FA11828215333.A | FA11827215333.A | FA11827115333.A |

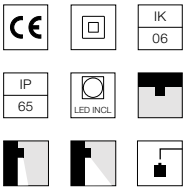



@ 4000K

| | | | |
|---|---|---|---|
| 2 way terminal block 4 poles IP68. (ø7÷12mm cable). | Bloque de terminales IP68 con 2 vías y 4 polos. (Cable ø7÷12 mm). | F990C040000 | |

## Emma Ceiling 2



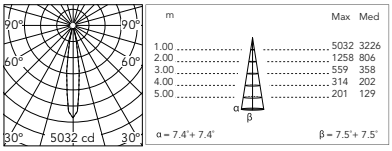

LED source included. Integrated electrical power supply 220-240V ON/OFF. With IP65 cable guide for rubber cables 5mm<ø<9mm and a connection box for fast connections. To ensure the tightness of the cable guide it's recommended to use flexible electric cables suitable for exterior use.

Fuente LED incluida. Fuente de alimentación eléctrica 220-240V ON/OFF integrada. *Dotada de pasacables IP65 para cables de goma de 5mm<ø<9mm y una caja de conexión para conexiones rápidas. Para garantizar la estanqueidad del pasacable hay que usar cables eléctricos flexibles y específicos para exteriores.

### Optic Spot 15º

**Power Led:** 6W - 442 lm ≠ OUTPUT 396 lm - 2700K/CRI 80 - 220÷240V / 6W - 475 lm ≠ OUTPUT 426 lm - 3000K/CRI 80 - 220÷240V / 6W - 510 lm ≠ OUTPUT 458 lm - 4000K/CRI 80 - 220÷240V

| 2700K | 3000K | 4000K |
|---|---|---|
| FA53124201.A | FA53104201.A | FA53104101.A |
| FA53124206.A | FA53104206.A | FA53104106.A |
| FA53124212.A | FA53104212.A | FA53104112.A |
| FA53124218.A | FA53104218.A | FA53104118.A |
| FA53124230.A | FA53104230.A | FA53104130.A |
| FA53124233.A | FA53104233.A | FA53104133.A |

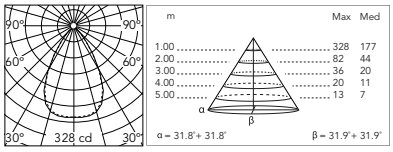



@ 4000K

### Optic Flood 65º

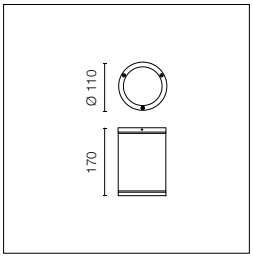
**Power Led:** 6W - 442 lm ≠ OUTPUT 314 lm - 2700K/CRI 80 - 220÷240V / 6W - 475 lm ≠ OUTPUT 338 lm - 3000K/CRI 80 - 220÷240V / 6W - 510 lm ≠ OUTPUT 363 lm - 4000K/CRI 80 - 220÷240V

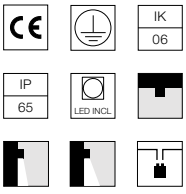
| 2700K | 3000K | 4000K |
|---|---|---|
| FA53124401.A | FA53104401.A | FA53104301.A |
| FA53124406.A | FA53104406.A | FA53104306.A |
| FA53124412.A | FA53104412.A | FA53104312.A |
| FA53124418.A | FA53104418.A | FA53104318.A |
| FA53124430.A | FA53104430.A | FA53104330.A |
| FA53124433.A | FA53104433.A | FA53104333.A |




@ 4000K

## Emma Ceiling 3 Direct Voltage



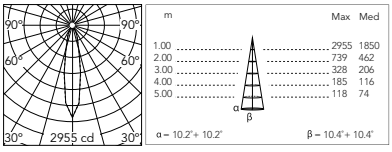

LED source included. LED module configured to work directly on the mains 220-230V ON/OFF. With IP65 cable guide for rubber cables 5mm<ø<9mm and a connection box for fast connections. To ensure the tightness of the cable guide it's recommended to use flexible electric cables suitable for exterior use.

Fuente LED incluida. Módulo LED configurado para trabajar directamente en la red eléctrica 220-230V ON/ OFF. Dotada de pasacables IP65 para cables de goma de 5mm<ø<9mm y una caja de conexión para conexiones rápidas. Para garantizar la estanqueidad del pasacable hay que usar cables eléctricos flexibles y específicos para exteriores.

### Optic Spot 20º

**CoB Led:** 12W - 951 lm ≠ OUTPUT 752 lm - 3000K/CRI 80 - 220÷230V

| 3000K |
|---|
| FA53102901 |
| FA53102906 |
| FA53102912 |
| FA53102918 |
| FA53102930 |
| FA53102933 |

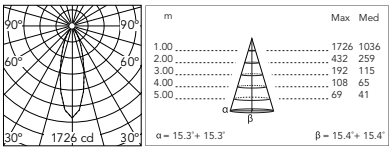



@ 3000K

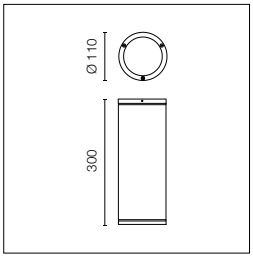
### Optic Medium 30º

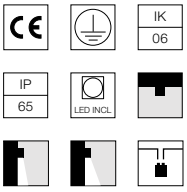
**CoB Led:** 12W - 951 lm ≠ OUTPUT 713 lm - 3000K/CRI 80 - 220÷230V

| 3000K |
|---|
| FA53103001 |
| FA53103006 |
| FA53103012 |
| FA53103018 |
| FA53103030 |
| FA53103033 |




@ 3000K



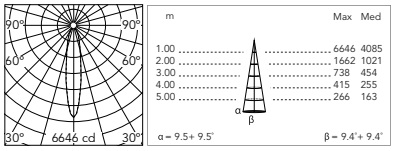

LED source included. Integrated power supply 220-230V ON/ OFF and dimmable 1-10V or DALI. With IP65 cable guide for rubber cables 5mm<ø<9mm and a connection box for fast connections. To ensure the tightness of the cable guide it's recommended to use flexible electric cables suitable for exterior use.

Fuente LED incluida. Fuente de alimentación eléctrica 220-230V ON/ OFF e intensidad regulable entre 1 y 10V o DALI integrada. Dotada de pasacables IP65 para cables de goma de 5mm<ø<9mm y una caja de conexión para conexiones rápidas. Para garantizar la estanqueidad del pasacable hay que usar cables eléctricos flexibles y específicos para exteriores.

**Optic Spot 20º**

**CoB Led:** 15W - 1622 lm ≠ OUTPUT 1455 lm - 2700K/CRI 80 - 220÷240V / 15W - 1744 lm ≠ OUTPUT 1564 lm - 3000K/CRI 80 - 220÷240V / 15W - 1829 lm ≠ OUTPUT 1641 lm - 4000K/CRI 80 - 220÷240V

| 2700K | 3000K | 4000K |
|---|---|---|
| Non Dimmable | Non Dimmable | Non Dimmable |
| FA53121201.A | FA53101201.A | FA53101101 |
| FA53121206.A | FA53101206.A | FA53101106 |
| FA53121212.A | FA53101212.A | FA53101112 |
| FA53121218.A | FA53101218.A | FA53101118 |
| FA53121230.A | FA53101230.A | FA53101130 |
| FA53121233.A | FA53101233.A | FA53101133 |
| 1-10V | 1-10V | 1-10V |
| FA53121201-310.A | FA53101201-310.A | FA53101101-310 |
| FA53121206-310.A | FA53101206-310.A | FA53101106-310 |
| FA53121212-310.A | FA53101212-310.A | FA53101112-310 |
| FA53121218-310.A | FA53101218-310.A | FA53101118-310 |
| FA53121230-310.A | FA53101230-310.A | FA53101130-310 |
| FA53121233-310.A | FA53101233-310.A | FA53101133-310 |
| Dali | Dali | Dali |
| FA53121201-300.B | FA53101201-300.B | FA53101101-300.A |
| FA53121206-300.B | FA53101206-300.B | FA53101106-300.A |
| FA53121212-300.B | FA53101212-300.B | FA53101112-300.A |
| FA53121218-300.B | FA53101218-300.B | FA53101118-300.A |
| FA53121230-300.B | FA53101230-300.B | FA53101130-300.A |
| FA53121233-300.B | FA53101233-300.B | FA53101133-300.A |

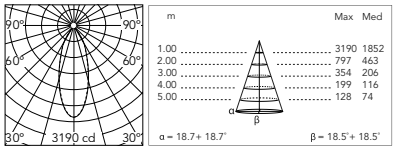



@ 4000K

**Optic Medium 40º**

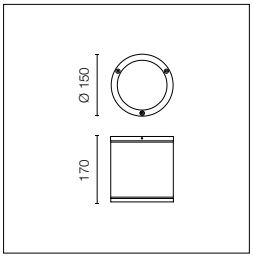
**CoB Led:** 15W - 1622 lm ≠ OUTPUT 1443 lm - 2700K/CRI 80 - 220÷240V / 15W - 1744 lm ≠ OUTPUT 1552 lm - 3000K/CRI 80 - 220÷240V / 15W - 1829 lm ≠ OUTPUT 1628 lm - 4000K/CRI 80 - 220÷240V

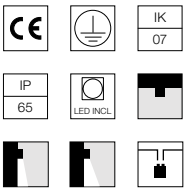
| 2700K | 3000K | 4000K |
|---|---|---|
| Non Dimmable | Non Dimmable | Non Dimmable |
| FA53120901.A | FA53100901.A | FA53100801.A |
| FA53120906.A | FA53100906.A | FA53100806.A |
| FA53120912.A | FA53100912.A | FA53100812.A |
| FA53120918.A | FA53100918.A | FA53100818.A |
| FA53120930.A | FA53100930.A | FA53100830.A |
| FA53120933.A | FA53100933.A | FA53100833.A |
| 1-10V | 1-10V | 1-10V |
| FA53120901-310.A | FA53100901-310.A | FA53100801-310.A |
| FA53120906-310.A | FA53100906-310.A | FA53100806-310.A |
| FA53120912-310.A | FA53100912-310.A | FA53100812-310.A |
| FA53120918-310.A | FA53100918-310.A | FA53100818-310.A |
| FA53120930-310.A | FA53100930-310.A | FA53100830-310.A |
| FA53120933-310.A | FA53100933-310.A | FA53100833-310.A |
| Dali | Dali | Dali |
| FA53120901-300.B | FA53100901-300.B | FA53100801-300.B |
| FA53120906-300.B | FA53100906-300.B | FA53100806-300.B |
| FA53120912-300.B | FA53100912-300.B | FA53100812-300.B |
| FA53120918-300.B | FA53100918-300.B | FA53100818-300.B |
| FA53120930-300.B | FA53100930-300.B | FA53100830-300.B |
| FA53120933-300.B | FA53100933-300.B | FA53100833-300.B |




@ 4000K

## Emma Ceiling 4 Direct Voltage




LED source included. LED module configured to work directly on the mains 220-230V ON/OFF. With IP65 cable guide for rubber cables 5mm<ø<9mm and a connection box for fast connections. To ensure the tightness of the cable guide it's recommended to use flexible electric cables suitable for exterior use.

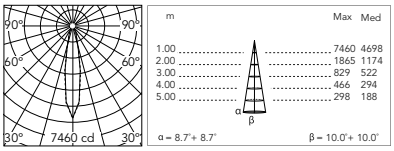
Fuente LED incluida. Módulo LED configurado para trabajar directamente en la red eléctrica 220-230V ON/ OFF. Dotada de pasacables IP65 para cables de goma de 5mm<ø<9mm y una caja de conexión para conexiones rápidas. Para garantizar la estanqueidad del pasacable hay que usar cables eléctricos flexibles y específicos para exteriores.

**Optic Spot 20º**

**CoB Led:** 24W - 2303 lm ≠ OUTPUT 1659 lm - 3000K/CRI 80 - 220÷230V

**3000K**

- ○ FA53103101
- ● FA53103106
- ● FA53103112
- ● FA53103118
- ● FA53103130
- ● FA53103133

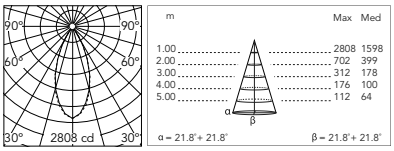



**Optic Medium 40º**

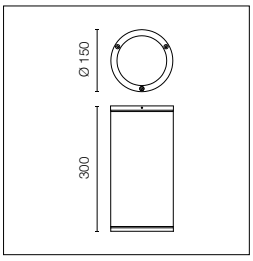
**CoB Led:** 24W - 2303 lm ≠ OUTPUT 1610 lm - 3000K/CRI 80 - 220÷230V

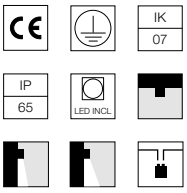
**3000K**

- ○ FA53103201
- ● FA53103206
- ● FA53103212
- ● FA53103218
- ● FA53103230
- ● FA53103233



## Emma Ceiling 4




LED source included. Integrated power supply 220-230V ON/ OFF and dimmable 1-10V or DALI. With IP65 cable guide for rubber cables 5mm<ø<9mm and a connection box for fast connections. To ensure the tightness of the cable guide it's recommended to use flexible electric cables suitable for exterior use.

Fuente LED incluida. Fuente de alimentación eléctrica 220-230V ON/ OFF e intensidad regulable entre 1 y 10V o DALI integrada. Dotada de pasacables IP65 para cables de goma de 5mm<ø<9mm y una caja de conexión para conexiones rápidas. Para garantizar la estanqueidad del pasacable hay que usar cables eléctricos flexibles y específicos para exteriores.

### Optic Spot 20º

**CoB Led:** 20W - 2387 lm ≠ OUTPUT 1907 lm - 2700K/CRI 80 - 220÷240V / 20W - 2567 lm ≠ OUTPUT 2050 lm - 3000K/CRI 80 - 220÷240V / 20W - 2632 lm ≠ OUTPUT 2102 lm - 4000K/CRI 80 - 220÷240V

**2700K**

Non Dimmable
- FA53122401.A
- FA53122406.A
- FA53122412.A
- FA53122418.A
- FA53122430.A
- FA53122433.A

1-10V
- FA53122401-310.A
- FA53122406-310.A
- FA53122412-310.A
- FA53122418-310.A
- FA53122430-310.A
- FA53122433-310.A

Dali
- FA53122401-300.B
- FA53122406-300.B
- FA53122412-300.B
- FA53122418-300.B
- FA53122430-300.B
- FA53122433-300.B

**3000K**

Non Dimmable
- FA53102401.A
- FA53102406.A
- FA53102412.A
- FA53102418.A
- FA53102430.A
- FA53102433.A

1-10V
- FA53102401-310.A
- FA53102406-310.A
- FA53102412-310.A
- FA53102418-310.A
- FA53102430-310.A
- FA53102433-310.A

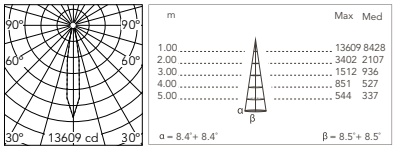
Dali
- FA53102401-300.B
- FA53102406-300.B
- FA53102412-300.B
- FA53102418-300.B
- FA53102430-300.B
- FA53102433-300.B

**4000K**

Non Dimmable
- FA53102501.A
- FA53102506.A
- FA53102512.A
- FA53102518.A
- FA53102530.A
- FA53102533.A

1-10V
- FA53102501-310.A
- FA53102506-310.A
- FA53102512-310.A
- FA53102518-310.A
- FA53102530-310.A
- FA53102533-310.A

Dali
- FA53102501-300.B
- FA53102506-300.B
- FA53102512-300.B
- FA53102518-300.B
- FA53102530-300.B
- FA53102533-300.B




@ 4000K

### Optic Medium 40º

**CoB Led:** 20W - 2387 lm ≠ OUTPUT 1923 lm - 2700K/CRI 80 - 220÷240V / 20W - 2567 lm ≠ OUTPUT 2068 lm - 3000K/CRI 80 - 220÷240V / 20W - 2632 lm ≠ OUTPUT 2121 lm - 4000K/CRI 80 - 220÷240V

**2700K**

Non Dimmable
- FA53122101.A
- FA53122106.A
- FA53122112.A
- FA53122118.A
- FA53122130.A
- FA53122133.A

1-10V
- FA53122101-310.A
- FA53122106-310.A
- FA53122112-310.A
- FA53122118-310.A
- FA53122130-310.A
- FA53122133-310.A

Dali
- FA53122101-300.B
- FA53122106-300.B
- FA53122112-300.B
- FA53122118-300.B
- FA53122130-300.B
- FA53122133-300.B

**3000K**

Non Dimmable
- FA53102101.A
- FA53102106.A
- FA53102112.A
- FA53102118.A
- FA53102130.A
- FA53102133.A

1-10V
- FA53102101-310.A
- FA53102106-310.A
- FA53102112-310.A
- FA53102118-310.A
- FA53102130-310.A
- FA53102133-310.A

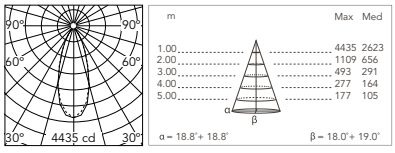
Dali
- FA53102101-300.B
- FA53102106-300.B
- FA53102112-300.B
- FA53102118-300.B
- FA53102130-300.B
- FA53102133-300.B

**4000K**

Non Dimmable
- FA53102001.A
- FA53102006.A
- FA53102012.A
- FA53102018.A
- FA53102030.A
- FA53102033.A

1-10V
- FA53102001-310.A
- FA53102006-310.A
- FA53102012-310.A
- FA53102018-310.A
- FA53102030-310.A
- FA53102033-310.A

Dali
- FA53102001-300.B
- FA53102006-300.B
- FA53102012-300.B
- FA53102018-300.B
- FA53102030-300.B
- FA53102033-300.B




@ 4000K

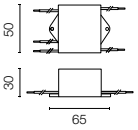
## Emma: Accessories / Accesorios

Surge protection device. 275Vac. Maximum discharge current 10KA (8/20µs). Maximum operating current 5A. Suitable for series connection. IP66.

Dispositivo de protección contra sobrecargas. 275 Vac. Corriente de descarga máxima 10KA (8/20µs). Corriente máxima de funcionamiento 5A. Apta para conexión en serie. IP66.

LED Lamps

F990E00A000



## Leila

Leila

## Family / Familia

Leila 1

**CoB Led**
up to 14W
up to 941 lm - 2700K/CRI 80
up to 980 lm - 3000K/CRI 80
up to 1073 lm - 4000K/CRI 80
* Net lumen output

Leila 2

**CoB Led**
up to 14W
up to 1457 lm - 2700K/CRI 80
up to 1567 lm - 3000K/CRI 80
up to 1653 lm - 4000K/CRI 80
* Net lumen output

Leila 3

**CoB Led**
up to 28W
up to 2380 lm - 2700K/CRI 80
up to 2559 lm - 3000K/CRI 80
up to 2700 lm - 4000K/CRI 80
* Net lumen output

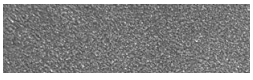
Leila 4

**CoB Led**
up to 40W
up to 3443 lm - 2700K/CRI 80
up to 3742 lm - 3000K/CRI 80
up to 3929 lm - 4000K/CRI 80
* Net lumen output

## Colours / Colores



01 White



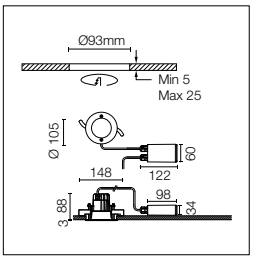
56 Matt Stainless Steel

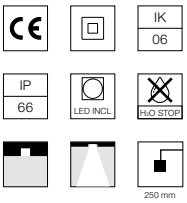
## Description / Descripción

Luminaire family with LED source for recessed ceiling and plasterboard false ceiling mounting. Defined by their round shape. Available in four dimensions and different beam angles per dimension. EN AB-47100 die cast aluminum body (with low copper content), AISI 316L stainless steel outer lid, shot-blasted and varnished in matte white. Textured glass diffuser with silkscreen edge, attached to the luminaire with a robotic gluing system. The fixing screws are made of stainless steel AISI 316L. Equipped with a watertight M12 threaded connector that prevents water infiltration and facilitates quick connection to the wiring unit. The power supply is supplied together with a remote IP67 kit to be housed in the junction box in case of recessed installation in a masonry ceiling, or supported directly near the luminaire, in case of recessed installation in a false ceiling. The metal junction box to be recessed in case of installation in masonry or reinforced concrete ceilings is available as an accessory.

Familia de luminarias con fuente LED para instalación empotrada en techo y falso techo en pladur. Se caracteriza por su forma redonda. Disponibles en cuatro dimensiones y con diferentes haces de apertura por cada dimensión. Cuerpo de aluminio fundido a presión EN AB-47100 (con bajo contenido en cobre), tapa exterior de acero inoxidable AISI 316L, sometido a granallado o barnizado en blanco mate. Difusor de vidrio texturizado con borde serigrafiado, fijado a la luminaria mediante un sistema de encolado robótico. Los tornillos de fijación son de acero inoxidable AISI 316L. Dotadas de un conector de rosca M12 estanco que impide infiltraciones de agua y facilita una rápida conexión con la unidad de cableado. La fuente de alimentación se proporciona junto con un kit IP67 remoto que hay que alojar en la caja de instalación en caso de empotrado en techo de mampostería, o apoyar directamente cerca de la luminaria, en caso de empotrado en falso techo. Disponible, como accesorio opcional, la caja metálica de instalación, que hay que empotrar en caso de instalación en techo de mampostería u hormigón armado.

# Leila 1



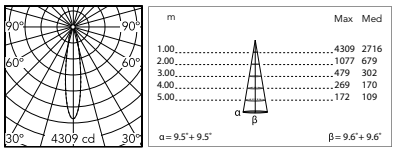

LED source included. Electrical power supply 220-240V ON/OFF: * remote kit with a 400mm cable section with watertight threaded M12 connector on the luminaire and a 250mm cable section for connection on the mains. This needs to be housed in the junction box for masonry ceilings (it needs to be ordered separately) or set next to the luminaire in case of plasterboard false ceilings. Dimmable version available upon request.

Fuente LED incluida. Fuente de alimentación eléctrica 220-240V ON/OFF: Kit remoto dotado de sección de cable saliente de 400 mm con conector de rosca M12 estanco en la luminaria y con una sección de cable que sobresale 250 mm para la conexión a la línea eléctrica, que hay que alojar en la caja de conexión para techo en mampostería (que se debe pedir por separado) o apoyar cerca de la luminaria en falso techo de pladur.
Versión con intensidad regulable disponible bajo pedido.

**Optic Spot 19°**

**CoB Led:** 14W - 941 lm ≠ OUTPUT 859 lm - 2700K/CRI 80 - 220÷240V / 14W - 980 lm ≠ OUTPUT 895 lm - 3000K/CRI 80 - 220÷240V / 14W - 1073 lm ≠ OUTPUT 980 lm - 4000K/CRI 80 - 220÷240V

| 2700K | 3000K | 4000K |
|---|---|---|
| ○ FA53610901 | ○ FA53600901 | ○ FA53600801 |
| ◐ FA53610356 | ◐ FA53600356 | ◐ FA53600256 |

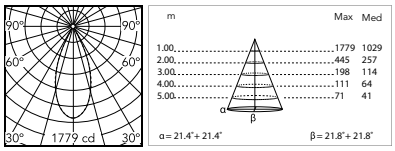



@ 3000K

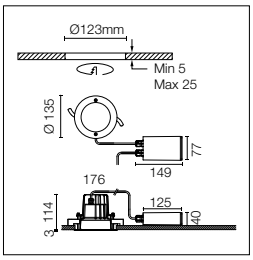
**Optic Medium 43°**

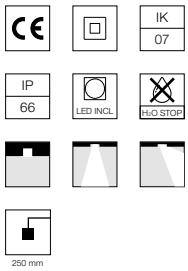
**CoB Led:** 14W - 941 lm ≠ OUTPUT 941 lm - 2700K/CRI 80 - 220÷240V / 14W - 980 lm ≠ OUTPUT 980 lm - 3000K/CRI 80 - 220÷240V / 14W - 1073 lm ≠ OUTPUT 1073 lm - 4000K/CRI 80 - 220÷240V

| 2700K | 3000K | 4000K |
|---|---|---|
| ○ FA53611201 | ○ FA53601201 | ○ FA53601101 |
| ◐ FA53610656 | ◐ FA53600656 | ◐ FA53600556 |




@ 3000K



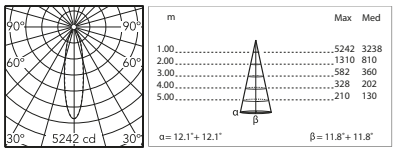

LED source included. Integrated power supply 220-240V ON/OFF and dimmable 1-10V or DALI: remote kit with a 400mm cable section with watertight threaded M12 connector on the luminaire and a 250mm cable section for connection on the mains. This needs to be housed in the junction box for masonry ceilings (it needs to be ordered separately) or set next to the luminaire in case of plasterboard false ceilings. Dimmable version available upon request.

Fuente LED incluida. Fuente de alimentación eléctrica 220-240V ON/OFF y regulación de intensidad entre 1 y 10V o DALI integrada. Kit remoto dotado de sección de cable saliente de 400 mm con conector de rosca M12 estanco en la luminaria y con una sección de cable que sobresale 250 mm para la conexión a la línea eléctrica, que hay que alojar en la caja de conexión para techo en mampostería (que se debe pedir por separado) o apoyar cerca de la luminaria en falso techo de pladur.

### Optic Spot 24°

**CoB Led:** 14W - 1457 lm ≠ OUTPUT 1457 lm - 2700K/CRI 80 - 220÷240V / 14W - 1567 lm ≠ OUTPUT 1567 lm - 3000K/CRI 80 - 220÷240V / 14W - 1653 lm ≠ OUTPUT 1653 lm - 4000K/CRI 80 - 220÷240V

| 2700K | 3000K | 4000K |
|---|---|---|
| Non Dimmable | Non Dimmable | Non Dimmable |
| FA53612201.A | FA53602201.A | FA53602101.A |
| FA53611456.A | FA53601456.A | FA53601356.A |
| 1-10V | 1-10V | 1-10V |
| FA53612201-310.A | FA53602201-310.A | FA53602101-310.A |
| FA53611456-310.A | FA53601456-310.A | FA53601356-310.A |
| Dali | Dali | Dali |
| FA53612201-300.A | FA53602201-300.A | FA53602101-300.A |
| FA53611456-300.A | FA53601456-300.A | FA53601356-300.A |

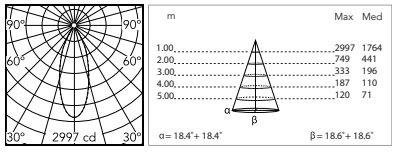



@ 3000K

### Optic Medium 37°

**CoB Led:** 14W - 1457 lm ≠ OUTPUT 1365 lm - 2700K/CRI 80 - 220÷240V / 14W - 1567 lm ≠ OUTPUT 1468 lm - 3000K/CRI 80 - 220÷240V / 14W - 1653 lm ≠ OUTPUT 1549 lm - 4000K/CRI 80 - 220÷240V

| 2700K | 3000K | 4000K |
|---|---|---|
| Non Dimmable | Non Dimmable | Non Dimmable |
| FA53612401.A | FA53602401.A | FA53602301.A |
| FA53611656.A | FA53601656.A | FA53601556.A |
| 1-10V | 1-10V | 1-10V |
| FA53612401-310.A | FA53602401-310.A | FA53602301-310.A |
| FA53611656-310.A | FA53601656-310.A | FA53601556-310.A |
| Dali | Dali | Dali |
| FA53612401-300.A | FA53602401-300.A | FA53602301-300.A |
| FA53611656-300.A | FA53601656-300.A | FA53601556-300.A |

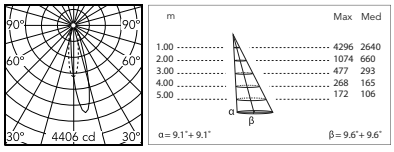



@ 3000K

### Asymmetric Optic 12° - 19°

**CoB Led:** 14W - 1457 lm ≠ OUTPUT 974 lm - 2700K/CRI 80 - 220÷240V / 14W - 1567 lm ≠ OUTPUT 1015 lm - 3000K/CRI 80 - 220÷240V / 14W - 1653 lm ≠ OUTPUT 1111 lm - 4000K/CRI 80 - 220÷240V

| 2700K | 3000K | 4000K |
|---|---|---|
| Non Dimmable | Non Dimmable | Non Dimmable |
| FA53612601 | FA53602601 | FA53602501 |
| FA53611856 | FA53601856 | FA53601756 |
| 1-10V | 1-10V | 1-10V |
| FA53612601-310 | FA53602601-310 | FA53602501-310 |
| FA53611856-310 | FA53601856-310 | FA53601756-310 |
| Dali | Dali | Dali |
| FA53612601-300 | FA53602601-300 | FA53602501-300 |
| FA53611856-300 | FA53601856-300 | FA53601756-300 |

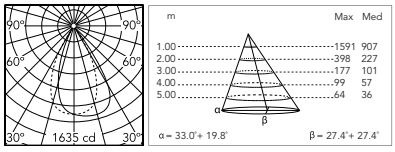



@ 3000K

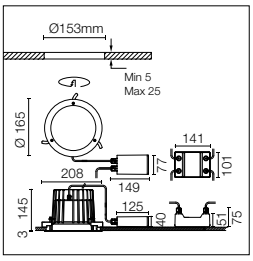
### Asymmetric Optic 12° - 53°

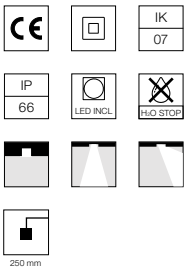
**CoB Led:** 14W - 1457 lm ≠ OUTPUT 1209 lm - 2700K/CRI 80 - 220÷240V / 14W - 1567 lm ≠ OUTPUT 1259 lm - 3000K/CRI 80 - 220÷240V / 14W - 1653 lm ≠ OUTPUT 1379 lm - 4000K/CRI 80 - 220÷240V

| 2700K | 3000K | 4000K |
|---|---|---|
| Non Dimmable | Non Dimmable | Non Dimmable |
| FA53612801 | FA53602801 | FA53602701 |
| FA53612056 | FA53602056 | FA53601956 |
| 1-10V | 1-10V | 1-10V |
| FA53612801-310 | FA53602801-310 | FA53602701-310 |
| FA53612056-310 | FA53602056-310 | FA53601956-310 |
| Dali | Dali | Dali |
| FA53612801-300 | FA53602801-300 | FA53602701-300 |
| FA53612056-300 | FA53602056-300 | FA53601956-300 |




@ 3000K



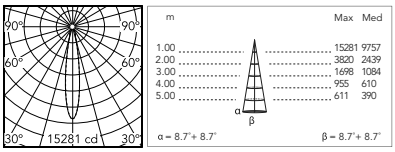

LED source included. Integrated power supply 220-240V ON/OFF and dimmable 1-10V or DALI: remote kit with a 400mm cable section with watertight threaded M12 connector on the luminaire and a 250mm cable section for connection on the mains. This needs to be housed in the junction box for masonry ceilings (it needs to be ordered separately) or set next to the luminaire in case of plasterboard false ceilings. Dimmable version available upon request.

Fuente LED incluida. Fuente de alimentación eléctrica 220-240V ON/OFF y regulación de intensidad entre 1 y 10V o DALI integrada. Kit remoto dotado de sección de cable saliente de 400 mm con conector de rosca M12 estanco en la luminaria y con una sección de cable que sobresale 250 mm para la conexión a la línea eléctrica, que hay que alojar en la caja de conexión para techo en mampostería (que se debe pedir por separado) o apoyar cerca de la luminaria en falso techo de pladur.

### Optic Spot 17°

**CoB Led:** 28W - 2380 lm ≠ OUTPUT 2380 lm - 2700K/CRI 80 - 220÷240V / 28W - 2559 lm ≠ OUTPUT 2559 lm - 3000K/CRI 80 - 220÷240V / 28W - 2700 lm ≠ OUTPUT 2700 lm - 4000K/CRI 80 - 220÷240V

| 2700K | 3000K | 4000K |
|---|---|---|
| Non Dimmable | Non Dimmable | Non Dimmable |
| ○ FA53613801.A | ○ FA53603801.A | ○ FA53603701.A |
| ◐ FA53613056.A | ◐ FA53603056.A | ◐ FA53602956.A |
| 1-10V | 1-10V | 1-10V |
| ○ FA53613801-310.A | ○ FA53603801-310.A | ○ FA53603701-310.A |
| ◐ FA53613056-310.A | ◐ FA53603056-310.A | ◐ FA53602956-310.A |
| Dali | Dali | Dali |
| ○ FA53613801-300.B | ○ FA53603801-300.B | ○ FA53603701-300.B |
| ◐ FA53613056-300.B | ◐ FA53603056-300.A | ◐ FA53602956-300.B |

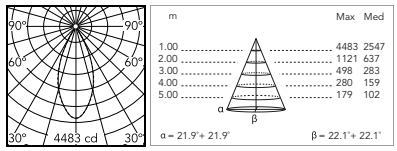



@ 3000K

### Optic Medium 44º

**CoB Led:** 28W - 2380 lm ≠ OUTPUT 2325 lm - 2700K/CRI 80 - 220÷240V / 28W - 2559 lm ≠ OUTPUT 2500 lm - 3000K/CRI 80 - 220÷240V / 28W - 2700 lm ≠ OUTPUT 2638 lm - 4000K/CRI 80 - 220÷240V

| 2700K | 3000K | 4000K |
|---|---|---|
| Non Dimmable | Non Dimmable | Non Dimmable |
| ○ FA53614001.A | ○ FA53604001.A | ○ FA53603901.A |
| ◐ FA53613256.A | ◐ FA53603256.A | ◐ FA53603156.A |
| 1-10V | 1-10V | 1-10V |
| ○ FA53614001-310.A | ○ FA53604001-310.A | ○ FA53603901-310.A |
| ◐ FA53613256-310.A | ◐ FA53603256-310.A | ◐ FA53603156-310.A |
| Dali | Dali | Dali |
| ○ FA53614001-300.B | ○ FA53604001-300.B | ○ FA53603901-300.B |
| ◐ FA53613256-300.B | ◐ FA53603256-300.A | ◐ FA53603156-300.B |

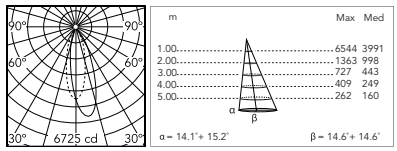



@ 3000K

### Asymmetric Optic 12º - 29º

**CoB Led:** 28W - 2380 lm ≠ OUTPUT 2199 lm - 2700K/CRI 80 - 220÷240V / 28W - 2559 lm ≠ OUTPUT 2364 lm - 3000K/CRI 80 - 220÷240V / 28W - 2700 lm ≠ OUTPUT 2494 lm - 4000K/CRI 80 - 220÷240V

| 2700K | 3000K | 4000K |
|---|---|---|
| Non Dimmable | Non Dimmable | Non Dimmable |
| ○ FA53614201 | ○ FA53604201.A | ○ FA53604101.A |
| ◐ FA53613456 | ◐ FA53603456.A | ◐ FA53603356.A |
| 1-10V | 1-10V | 1-10V |
| ○ FA53614201-310 | ○ FA53604201-310.A | ○ FA53604101-310.A |
| ◐ FA53613456-310.A | ◐ FA53603456-310.A | ◐ FA53603356-310.A |
| Dali | Dali | Dali |
| ○ FA53614201-300.A | ○ FA53604201-300.B | ○ FA53604101-300.B |
| ◐ FA53613456-300.B | ◐ FA53603456-300.B | ◐ FA53603356-300.A |

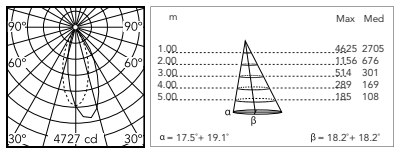



@ 3000K

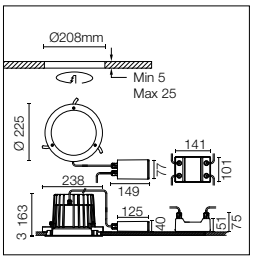
### Asymmetric Optic 12º - 37º

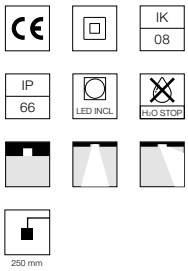
**CoB Led:** 28W - 2380 lm ≠ OUTPUT 2105 lm - 2700K/CRI 80 - 220÷240V / 28W - 2559 lm ≠ OUTPUT 2263 lm - 3000K/CRI 80 - 220÷240V / 28W - 2700 lm ≠ OUTPUT 2387 lm - 4000K/CRI 80 - 220÷240V

| 2700K | 3000K | 4000K |
|---|---|---|
| Non Dimmable | Non Dimmable | Non Dimmable |
| ○ FA53614401.A | ○ FA53604401.A | ○ FA53604301.A |
| ◐ FA53613656.A | ◐ FA53603656.A | ◐ FA53603556.A |
| 1-10V | 1-10V | 1-10V |
| ○ FA53614401-310.B | ○ FA53604401-310.A | ○ FA53604301-310.A |
| ◐ FA53613656-310.A | ◐ FA53603656-310.A | ◐ FA53603556-310.A |
| Dali | Dali | Dali |
| ○ FA53614401-300.A | ○ FA53604401-300.B | ○ FA53604301-300.B |
| ◐ FA53613656-300.B | ◐ FA53603656-300.B | ◐ FA53603556-300.B |




@ 3000K



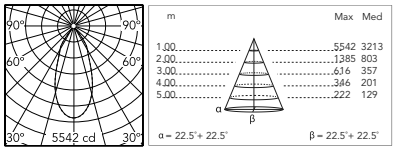

LED source included. Integrated power supply 220-240V ON/OFF and dimmable 1-10V or DALI: remote kit with a 400mm cable section with watertight threaded M12 connector on the luminaire and a 250mm cable section for connection on the mains. This needs to be housed in the junction box for masonry ceilings (it needs to be ordered separately) or set next to the luminaire in case of plasterboard false ceilings. Dimmable version available upon request.

Fuente LED incluida. Fuente de alimentación eléctrica 220-240V ON/OFF y regulación de intensidad entre 1 y 10V o DALI integrada. Kit remoto dotado de sección de cable saliente de 400 mm con conector de rosca M12 estanco en la luminaria y con una sección de cable que sobresale 250 mm para la conexión a la línea eléctrica, que hay que alojar en la caja de conexión para techo en mampostería (que se debe pedir por separado) o apoyar cerca de la luminaria en falso techo de pladur.

### Optic Medium 45º

**CoB Led:** 40W - 3443 lm ≠ OUTPUT 3443 lm - 2700K/CRI 80 - 220÷240V / 40W - 3742 lm ≠ OUTPUT 3742 lm - 3000K/CRI 80 - 220÷240V / 40W - 3929 lm ≠ OUTPUT 3929 lm - 4000K/CRI 80 - 220÷240V

| 2700K | 3000K | 4000K |
|---|---|---|
| Non Dimmable | Non Dimmable | Non Dimmable |
| FA53615601.A | FA53605601.A | FA53605501.A |
| FA53614856.A | FA53604856.A | FA53604756.A |
| 1-10V | 1-10V | 1-10V |
| FA53615601-310.A | FA53605601-310.A | FA53605501-310.A |
| FA53614856-310.A | FA53604856-310.A | FA53604756-310.A |
| Dali | Dali | Dali |
| FA53615601-300.A | FA53605601-300.A | FA53605501-300.A |
| FA53614856-300.A | FA53604856-300.A | FA53604756-300.A |

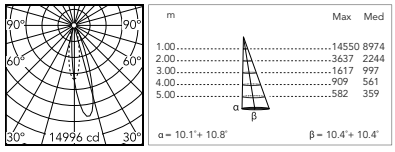



@ 3000K

### Asymmetric Optic 12º - 21º

**CoB Led:** 40W - 3443 lm ≠ OUTPUT 3104 lm - 2700K/CRI 80 - 220÷240V / 40W - 3742 lm ≠ OUTPUT 3338 lm - 3000K/CRI 80 - 220÷240V / 40W - 3929 lm ≠ OUTPUT 3522 lm - 4000K/CRI 80 - 220÷240V

| 2700K | 3000K | 4000K |
|---|---|---|
| Non Dimmable | Non Dimmable | Non Dimmable |
| FA53615801.A | FA53605801.A | FA53605701.A |
| FA53615056.A | FA53605056.A | FA53604956.A |
| 1-10V | 1-10V | 1-10V |
| FA53615801-310.A | FA53605801-310.A | FA53605701-310.A |
| FA53615056-310.A | FA53605056-310.A | FA53604956-310.A |
| Dali | Dali | Dali |
| FA53615801-300.A | FA53605801-300.A | FA53605701-300.A |
| FA53615056-300.A | FA53605056-300.A | FA53604956-300.A |

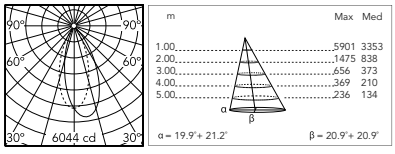



@ 3000K

### Asymmetric Optic 12º - 41º

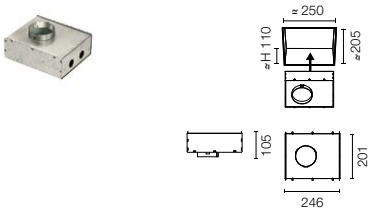
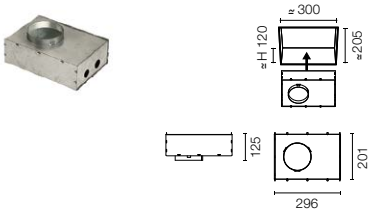
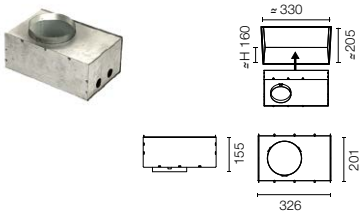
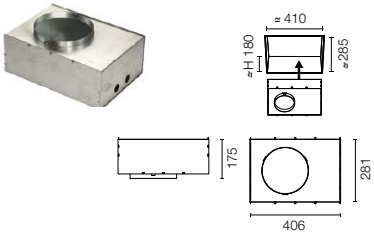
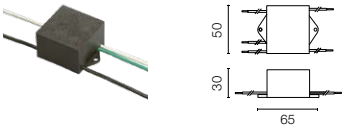
**CoB Led:** 40W - 3443 lm ≠ OUTPUT 3066 lm - 2700K/CRI 80 - 220÷240V / 40W - 3742 lm ≠ OUTPUT 3297 lm - 3000K/CRI 80 - 220÷240V / 40W - 3929 lm ≠ OUTPUT 3478 lm - 4000K/CRI 80 - 220÷240V

| 2700K | 3000K | 4000K |
|---|---|---|
| Non Dimmable | Non Dimmable | Non Dimmable |
| FA53616001.A | FA53606001.A | FA53605901.A |
| FA53615256.A | FA53605256.A | FA53605156.A |
| 1-10V | 1-10V | 1-10V |
| FA53616001-310.A | FA53606001-310.A | FA53605901-310.A |
| FA53615256-310.A | FA53605256-310.A | FA53605156-310.A |
| Dali | Dali | Dali |
| FA53616001-300.A | FA53606001-300.A | FA53605901-300.A |
| FA53615256-300.A | FA53605256-300.A | FA53605156-300.A |




@ 3000K

## Leila: Accessories / Accesorios

| | | | |
|---|---|---|---|
| Metal installation box for concrete ceiling. | Caja de metal para instalación en techos de cemento. | Leila 1<br>FA196 |  |
| Metal installation box for concrete ceiling. | Caja de metal para instalación en techos de cemento. | Leila 2<br>FA197 |  |
| Metal installation box for concrete ceiling. | Caja de metal para instalación en techos de cemento. | Leila 3<br>FA198 |  |
| Metal installation box for concrete ceiling. | Caja de metal para instalación en techos de cemento. | Leila 4<br>FA199 |  |
| 2 way terminal block 4 poles IP68 $H_2O$ Stop. (ø5,5÷12mm cable). | Bloque de terminales IP68 $H_2O$ Stop anticondensación con 2 vías y 4 polos. (Cable ø5,5÷12 mm). | F990C00A000 | |
| 3/4 way terminal block 4 poles IP68 $H_2O$ Stop. (ø5,5÷12mm cable). | Bloque de terminales IP68 $H_2O$ Stop anticondensación con 3/4 vías y 4 polos. (Cable ø5,5÷12 mm). | F990C010000 | |
| Surge protection device. 275Vac. Maximum discharge current 10KA (8/20µs). Maximum operating current 5A. Suitable for series connection. IP66. | Dispositivo de protección contra sobrecargas. 275 Vac. Corriente de descarga máxima 10KA (8/20µs). Corriente máxima de funcionamiento 5A. Apta para conexión en serie. IP66. | F990E00A000 |  |

## Kirk

Kirk

## Family / Familia

Kirk 1

**CoB Led**
up to 6W
up to 270 lm - 3000K/CRI 80
* Net lumen output

Kirk 2

**CoB Led**
up to 12W
up to 713 lm - 3000K/CRI 80
* Net lumen output

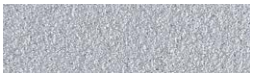
Kirk 3

**CoB Led**
up to 24W
up to 1610 lm - 3000K/CRI 80
* Net lumen output

## Colours / Colores



01 White



06 Grey

12 Forest Green

18 Deep Brown

30 Black

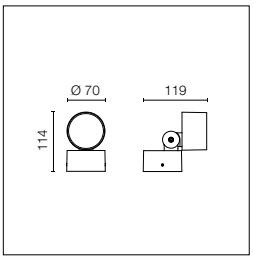
33 Anthracite

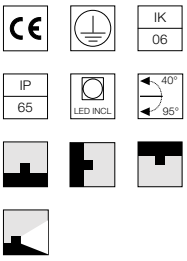
## Description / Descripción

Family of tiltable projection luminaires with LED source, designed for ceiling, wall and ground mounting with a metal nail that needs to be ordered separately. Available in three dimensions. Turned aluminum body, EN AW6060 alloy and AISI 316L stainless steel bracket. Extraclear glass diffuser with silkscreen edge, attached with a robotic gluing system. Available in different finishes, with double-layered powder coating and chemical conversion surface treatment to ensure high corrosion resistance. The cable unit has a IP68 connector, connected to the emission unit by means of an adjustable joint so it can be tilted approx. 130º on the vertical axis. The fixing bracket allows for a tilting of 90º on the horizontal axis, so the light beam can be directed according to your needs.

Familia de luminarias de proyección orientable, con fuente LED, diseñadas para instalación en techo, pared y suelo mediante clavo metálico que se debe pedir por separado. Disponibles en tres dimensiones diferentes. Cuerpo de aluminio torneado, aleación EN AW 6060 y brida de fijación de acero inoxidable AISI 316L. Difusor de vidrio extraclaro con borde serigrafiado, fijado mediante un sistema de encolado robótico. Disponibles en diferentes acabados, con recubrimiento de polvo de doble capa y tratamiento superficial de conversión química para garantizar una elevada resistencia ante la corrosión. La unidad de cableado está equipada con conector IP68 y está conectada a la unidad de emisión por una unión regulable que permite una orientación de aproximadamente 130º en el eje vertical. Por su parte, la brida de fijación permite una orientación de 90º en el eje horizontal, para poder direccionar el haz de luz según las exigencias.

## Kirk 1




LED source included. LED module configured to work directly on the mains 220-230V ON/OFF. Fixing bracket included. IP68 connector for 6mm<ø<8mm rubber cable. To ensure the tightness of the cable guide it's recommended to use flexible electric cables suitable for exterior use.
Ground spike to be ordered separately.

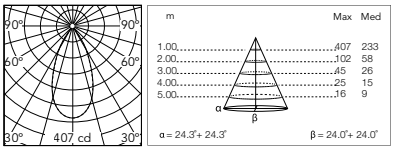
Fuente LED incluida. Módulo LED configurado para trabajar directamente en la red eléctrica 220-230V ON/OFF. Brida de fijación incluida. Dotada de conector IP68 para cable en goma de 6mm<ø<8mm. Para garantizar la estanqueidad del pasacable se aconseja usar cables eléctricos flexibles y específicos para exteriores. Clavo metálico para la instalación en suelos que se debe pedir por separado.

**Optic Medium 50º**

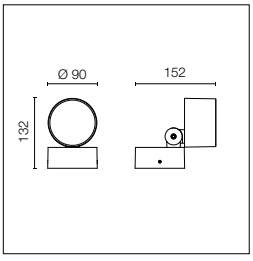
**CoB Led:** 6W - 387 lm ≠ OUTPUT 270 lm - 3000K/CRI 80 - 220-230V

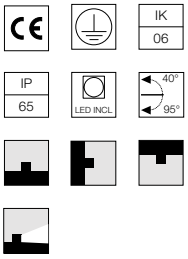
**3000K**

- FA54000101.A
- FA54000106.A
- FA54000112.A
- FA54000118.A
- FA54000130.A
- FA54000133.A




## Kirk 2




LED source included. LED module configured to work directly on the mains 220-230V ON/OFF. Fixing bracket included. IP68 connector for 6mm<ø<8mm rubber cable. To ensure the tightness of the cable guide it's recommended to use flexible electric cables suitable for exterior use.
Ground spike to be ordered separately.

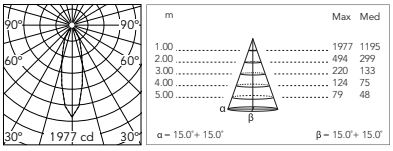
Fuente LED incluida. Módulo LED configurado para trabajar directamente en la red eléctrica 220-230V ON/OFF. Brida de fijación incluida. Dotada de conector IP68 para cable en goma de 6mm<ø<8mm. Para garantizar la estanqueidad del pasacable se aconseja usar cables eléctricos flexibles y específicos para exteriores. Clavo metálico para la instalación en suelos que se debe pedir por separado.

**Optic Medium 30º**

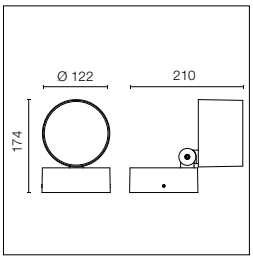
**CoB Led:** 12W - 951 lm ≠ OUTPUT 713 lm - 3000K/CRI 80 - 220-230V

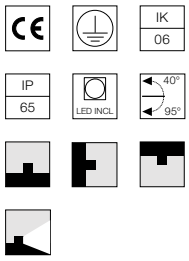
**3000K**

- FA54000201.A
- FA54000206.A
- FA54000212.A
- FA54000218.A
- FA54000230.A
- FA54000233.A



## Kirk 3




LED source included. LED module configured to work directly on the mains 220-230V ON/OFF. Fixing bracket included. IP68 connector for 6mm<ø<8mm rubber cable. To ensure the tightness of the cable guide it's recommended to use flexible electric cables suitable for exterior use.
Ground spike to be ordered separately.

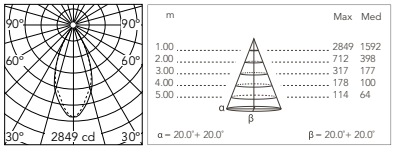
Fuente LED incluida. Módulo LED configurado para trabajar directamente en la red eléctrica 220-230V ON/OFF. Brida de fijación incluida. Dotada de conector IP68 para cable en goma de 6mm<ø<8mm. Para garantizar la estanqueidad del pasacable se aconseja usar cables eléctricos flexibles y específicos para exteriores. Clavo metálico para la instalación en suelos que se debe pedir por separado.

**Optic Medium 40º**

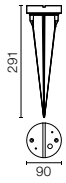
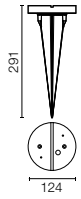
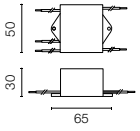
**CoB Led:** 24W - 2303 lm ≠ OUTPUT 1610 lm - 3000K/CRI 80 - 220-230V

**3000K**

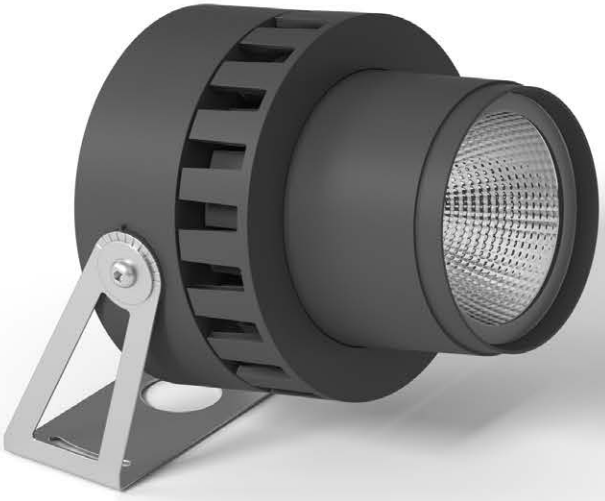
- ○ FA54000301
- ● FA54000306
- ● FA54000312
- ● FA54000318
- ● FA54000330
- ● FA54000333



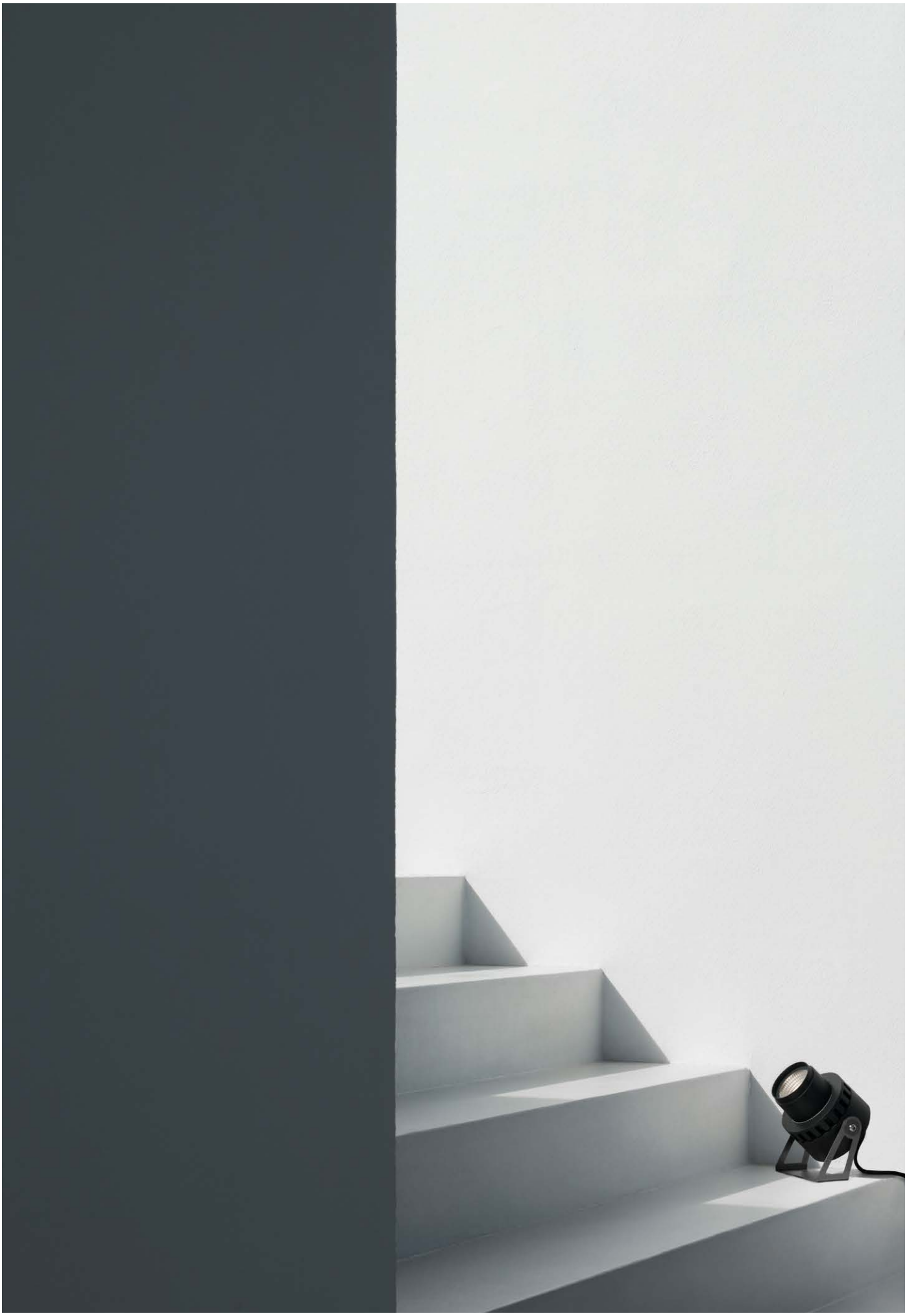

## Kirk: Accessories / Accesorios

| | | | | |
|---|---|---|---|---|
| Ground spike. | Clavo metálico para instalación en suelo. | Kirk 1<br>FA264 | | |
| Ground spike. | Clavo metálico para instalación en suelo. | Kirk 2<br>FA266 | |   |
| Ground spike. | Clavo metálico para instalación en suelo. | Kirk 3<br>FA268 | |   |
| Surge protection device. 275Vac. Maximum discharge current 10KA (8/20µs). Maximum operating current 5A. Suitable for series connection. IP66. | Dispositivo de protección contra sobrecargas. 275 Vac. Corriente de descarga máxima 10KA (8/20µs). Corriente máxima de funcionamiento 5A. Apta para conexión en serie. IP66. | F990E00A000 | |   |

## Spock



Spock



## Family / Familia

Spock 1

**CoB Led**
up to 11W
up to 725 lm - 2700K/CRI 80
up to 780 lm - 3000K/CRI 80
up to 811 lm - 4000K/CRI 80
* Net lumen output

Spock 2

**CoB Led**
up to 27W
up to 2153 lm - 2700K/CRI 80
up to 2315 lm - 3000K/CRI 80
up to 2128 lm - 4000K/CRI 80
* Net lumen output

Spock 3

**CoB Led**
up to 43W
up to 4059 lm - 2700K/CRI 80
up to 4385 lm - 3000K/CRI 80
up to 4477 lm - 4000K/CRI 80
* Net lumen output

Tunable White

**CoB Led**
up to 38W
up to 2200 lm - 2700K/CRI 80
* Net lumen output

## Colours / Colores

01 White

06 Grey

12 Forest Green

18 Deep Brown

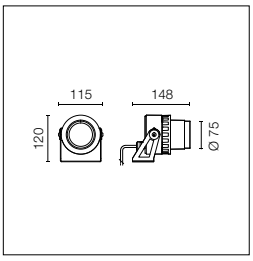
30 Black

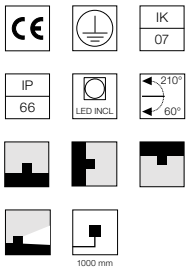
33 Anthracite

## Description / Descripción

Family of tiltable projection luminaires with LED source, designed for ceiling, wall and ground mounting with a metal nail that needs to be ordered separately. Available in three dimensions and two beam angles per dimension. Body and heat sink made of turned aluminum, alloy EN AW 6060. Diffuser in extraclear glass for the standard version and in amber glass for the Tunable White version, with silkscreen edge and fixed with a robotic gluing system. Available in different finishes, with double-layered powder coating and chemical conversion surface treatment to ensure high corrosion resistance. AISI 316L stainless steel fixing bracket, graduated to guarantee precision in the adjustment of the emission unit and a tilting of approx. 180º in the vertical axis. The fixing bracket allows also for a tilting of 30º on the horizontal axis, so the light beam can be directed according to your needs. With a neoprene cable section to ease the connection. The series is completed with optional optical visors to graduate the emitted light beam.

Familia de luminarias de proyección orientable con fuente LED, diseñadas para instalación en techo, pared y suelo con clavo metálico que se debe pedir por separado. Disponibles en tres dimensiones diferentes y con dos haces de apertura para cada dimensión. Cuerpo y disipador de calor de aluminio torneado, aleación EN AW 6060. Difusor de vidrio extraclaro para la versión estándar y de vidrio albarino para la versión Tunable White, con borde serigrafiado y fijado mediane un sistema de encolado robótico. Disponibles en diferentes acabados, con recubrimiento de polvo de doble capa y tratamiento superficial de conversión química para garantizar una elevada resistencia ante la corrosión. Brida de fijación en acero inoxidable AISI 316L, graduada para garantizar la precisión en el ajuste de la unidad emisora y una orientación de aproximadamente 180º en el eje vertical. La brida de fijación permite además una orientación mínima de 30º en el eje horizontal, para direccionar el haz de luz según las exigencias. Dotadas de una sección de cable saliente para facilitar la conexión. La serie se completa con visores ópticos opcionales para graduar el haz luminoso emitido.



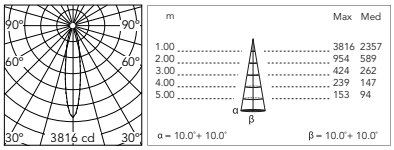

LED source included. Integrated electrical power supply 220-240V ON/OFF. Fixing bracket included. Equipped with a 1000 mm protruding section of neoprene cable and a kit with crimpable connectors and adhesive heat-shrinkable sleeves that guarantee the tightness of the connection. Optional IP68 connectors available. The metal nail for ground installation needs to be ordered separately. Optional accessories to regulate the light beam.
Dimmable version available upon request.

Fuente LED incluida. Fuente de alimentación eléctrica 220-240V ON/OFF integrada. Brida de fijación incluida. Dotada de una sección de cable de neopreno que sobresale 1000 mm y kit con conectores crimpables y fundas termoretráctiles adhesivas que garantizan la estanqueidad de la conexión; disponibles conectores IP68 opcionales. Clavo metálico para la instalación en suelos que se debe pedir por separado. Accesorios opcionales para la regulación del haz luminoso. Versión de intensidad regulable disponible bajo pedido.

### Optic Spot 20º

**CoB Led:** 11W - 1005 lm ≠ OUTPUT 725 lm - 2700K/CRI 80 - 220-240V / 11W - 1081 lm ≠ OUTPUT 780 lm - 3000K/CRI 80 - 220-240V / 11W - 1124 lm ≠ OUTPUT 811 lm - 4000K/CRI 80 - 220-240V

| 2700K | 3000K | 4000K |
|---|---|---|
| ○ FA54102301 | ○ FA54100301 | ○ FA54100201 |
| ● FA54102306 | ● FA54100306 | ● FA54100206 |
| ● FA54102312 | ● FA54100312 | ● FA54100212 |
| ● FA54102318 | ● FA54100318 | ● FA54100218 |
| ● FA54102330 | ● FA54100330 | ● FA54100230 |
| ● FA54102333 | ● FA54100333 | ● FA54100233 |

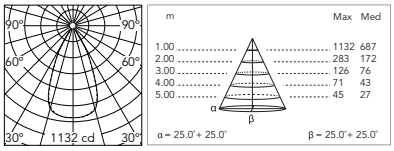



@ 4000K

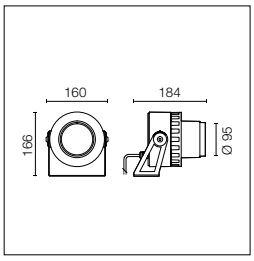
### Optic Medium 50º

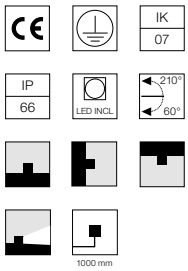
**CoB Led:** 11W - 1005 lm ≠ OUTPUT 697 lm - 2700K/CRI 80 - 220-240V / 11W - 1081 lm ≠ OUTPUT 749 lm - 3000K/CRI 80 - 220-240V / 11W - 1124 lm ≠ OUTPUT 778 lm - 4000K/CRI 80 - 220-240V

| 2700K | 3000K | 4000K |
|---|---|---|
| ○ FA54102601 | ○ FA54100601 | ○ FA54100501 |
| ● FA54102606 | ● FA54100606 | ● FA54100506 |
| ● FA54102612 | ● FA54100612 | ● FA54100512 |
| ● FA54102618 | ● FA54100618 | ● FA54100518 |
| ● FA54102630 | ● FA54100630 | ● FA54100530 |
| ● FA54102633 | ● FA54100633 | ● FA54100533 |




@ 4000K



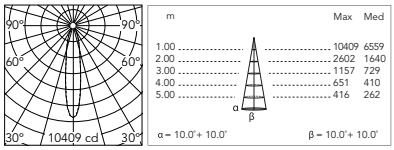

LED source included. Integrated electrical power supply 220-240V ON/OFF. Fixing bracket included. Equipped with a 1000 mm protruding section of neoprene cable and a kit with crimpable connectors and adhesive heat-shrinkable sleeves that guarantee the tightness of the connection. Optional IP68 connectors available. The metal nail for ground installation needs to be ordered separately. Optional accessories to regulate the light beam.
Dimmable version available upon request.

Fuente LED incluida. Fuente de alimentación eléctrica 220-240V ON/OFF integrada. Brida de fijación incluida. Dotada de una sección de cable de neopreno que sobresale 1000 mm y kit con conectores crimpables y fundas termoretráctiles adhesivas que garantizan la estanqueidad de la conexión; disponibles conectores IP68 opcionales. Clavo metálico para la instalación en suelos que se debe pedir por separado. Accesorios opcionales para la regulación del haz luminoso. Versión de intensidad regulable disponible bajo pedido.

### Optic Spot 20º

**CoB Led:** 27W - 3022 lm ≠ OUTPUT 2141 lm - 2700K/CRI 80 - 220-240V / 27W - 3249 lm ≠ OUTPUT 2302 lm - 3000K/CRI 80 - 220-240V / 27W - 3408 lm ≠ OUTPUT 2415 lm - 4000K/CRI 80 - 220-240V

| 2700K | 3000K | 4000K |
|---|---|---|
| ○ FA54102801.A | ○ FA54100801.A | ○ FA54100701.A |
| ● FA54102806.A | ● FA54100806.A | ● FA54100706.A |
| ● FA54102812.A | ● FA54100812.A | ● FA54100712.A |
| ● FA54102818.A | ● FA54100818.A | ● FA54100718.A |
| ● FA54102830.A | ● FA54100830.A | ● FA54100730.A |
| ● FA54102833.A | ● FA54100833.A | ● FA54100733.A |

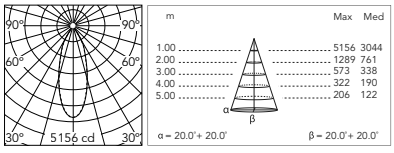



@ 4000K

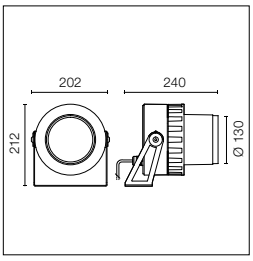
### Optic Medium 40º

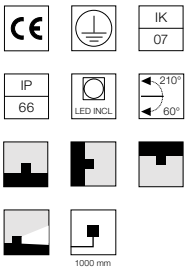
**CoB Led:** 27W - 3022 lm ≠ OUTPUT 2153 lm - 2700K/CRI 80 - 220-240V / 27W - 3249 lm ≠ OUTPUT 2315 lm - 3000K/CRI 80 - 220-240V / 27W - 3408 lm ≠ OUTPUT 2428 lm - 4000K/CRI 80 - 220-240V

| 2700K | 3000K | 4000K |
|---|---|---|
| ○ FA54103001.A | ○ FA54101001.A | ○ FA54100901.A |
| ● FA54103006.A | ● FA54101006.A | ● FA54100906.A |
| ● FA54103012.A | ● FA54101012.A | ● FA54100912.A |
| ● FA54103018.A | ● FA54101018.A | ● FA54100918.A |
| ● FA54103030.A | ● FA54101030.A | ● FA54100930.A |
| ● FA54103033.A | ● FA54101033.A | ● FA54100933.A |




@ 4000K



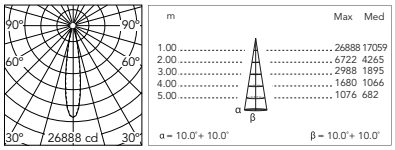

LED source included. Integrated electrical power supply 220-240V ON/OFF. Fixing bracket included. Equipped with a 1000 mm protruding section of neoprene cable and a kit with crimpable connectors and adhesive heat-shrinkable sleeves that guarantee the tightness of the connection. Optional IP68 connectors available. The metal nail for ground installation needs to be ordered separately. Optional accessories to regulate the light beam.
Dimmable version available upon request.

Fuente LED incluida. Fuente de alimentación eléctrica 220-240V ON/OFF integrada. Brida de fijación incluida. Dotada de una sección de cable de neopreno que sobresale 1000 mm y kit con conectores crimpables y fundas termoretráctiles adhesivas que garantizan la estanqueidad de la conexión; disponibles conectores IP68 opcionales. Clavo metálico para la instalación en suelos que se debe pedir por separado. Accesorios opcionales para la regulación del haz luminoso. Versión de intensidad regulable disponible bajo pedido.

### Optic Spot 20º

**CoB Led:** 43W - 5408 lm ≠ OUTPUT 4059 lm - 2700K/CRI 80 - 220-240V / 43W - 5815 lm ≠ OUTPUT 4365 lm - 3000K/CRI 80 - 220-240V / 43W - 5963 lm ≠ OUTPUT 4477 lm - 4000K/CRI 80 - 220-240V

| 2700K | 3000K | 4000K |
|---|---|---|
| ○ FA54103201.A | ○ FA54101201.A | ○ FA54101101.A |
| ● FA54103206.A | ● FA54101206.A | ● FA54101106.A |
| ● FA54103212.A | ● FA54101212.A | ● FA54101112.A |
| ● FA54103218.A | ● FA54101218.A | ● FA54101118.A |
| ● FA54103230.A | ● FA54101230.A | ● FA54101130.A |
| ● FA54103233.A | ● FA54101233.A | ● FA54101133.A |

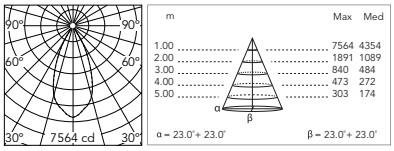



@ 4000K

### Optic Medium 45º

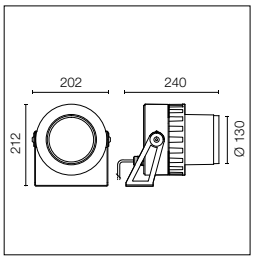
**CoB Led:** 43W - 5408 lm ≠ OUTPUT 3981 lm - 2700K/CRI 80 - 220-240V / 43W - 5815 lm ≠ OUTPUT 4281 lm - 3000K/CRI 80 - 220-240V / 43W - 5963 lm ≠ OUTPUT 4390 lm - 4000K/CRI 80 - 220-240V

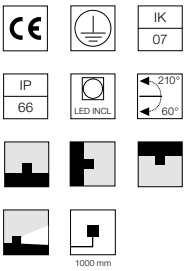
| 2700K | 3000K | 4000K |
|---|---|---|
| ○ FA54103401.A | ○ FA54101401.A | ○ FA54101301.A |
| ● FA54103406.A | ● FA54101406.A | ● FA54101306.A |
| ● FA54103412.A | ● FA54101412.A | ● FA54101312.A |
| ● FA54103418.A | ● FA54101418.A | ● FA54101318.A |
| ● FA54103430.A | ● FA54101430.A | ● FA54101330.A |
| ● FA54103433.A | ● FA54101433.A | ● FA54101333.A |




@ 4000K

## Spock 3 Tunable White




LED Tunable White source included. Integrated electrical power supply 120-240V DALI. Fixing bracket included. Equipped with a 1000 mm protruding section of neoprene cable and a kit with crimpable connectors and adhesive heat-shrinkable sleeves that guarantee the tightness of the connection. Optional IP68 connectors available. The metal nail for ground installation needs to be ordered separately. Optional accessories to regulate the light beam. Dimmable version available upon request.

Fuente LED Tunable White incluida. Fuente de alimentación eléctrica 120-240V DALI integrada. Brida de fijación incluida. Dotada de una sección de cable de neopreno que sobresale 1000 mm y kit con conectores crimpables y fundas termoretráctiles adhesivas que garantizan la estanqueidad de la conexión; disponibles conectores IP68 opcionales. Clavo metálico para la instalación en suelos que se debe pedir por separado. Accesorios opcionales para la regulación del haz luminoso.

### Optic Spot 20º

**CoB Led Tunable White:** 38W - 2840 lm ≠ OUTPUT 2200 lm - 2700K ÷ 5700K/CRI>80 - 220-240V

**2700K**

- ○ FA54110001
- ● FA54110006
- ● FA54110012
- ● FA54110018
- ● FA54110030
- ● FA54110033

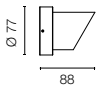
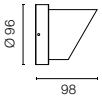
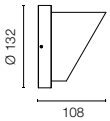
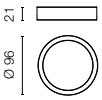
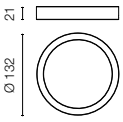
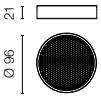
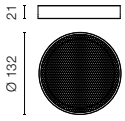
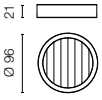
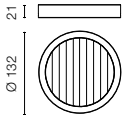
### Optic Medium 40º

**CoB Led Tunable White:** 38W - 2840 lm ≠ OUTPUT 2250 lm - 2700K ÷ 5700K/CRI>80 - 220-240V

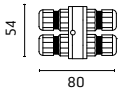
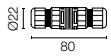
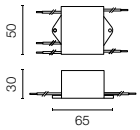
**2700K**

- ○ FA54110201
- ● FA54110206
- ● FA54110212
- ● FA54110218
- ● FA54110230
- ● FA54110233

## Spock: Accessories / Accesorios

| | | | | |
|---|---|---|---|---|
| Visor Ø75 | Visor Ø75 | FA20530 | |   |
| Visor Ø95 | Visor Ø95 | FA20630 | |   |
| Visor Ø130 | Visor Ø130 | FA20730 | |   |
| Flood diffuser Ø75 | Lente difusora Ø75 | FA20830 | | |
| Flood diffuser Ø95 | Lente difusora Ø95 | FA20930 | |   |
| Flood diffuser Ø130 | Lente difusora Ø130 | FA21030 | |   |
| Anti-glare louvre Ø75 | Rejilla antideslumbramiento Ø75 | FA21130 | | |
| Anti-glare louvre Ø95 | Rejilla antideslumbramiento Ø95 | FA21230 | |   |
| Anti-glare louvre Ø130 | Rejilla antideslumbramiento Ø130 | FA21330 | |   |
| Elliptical lens Ø75 | Lente elíptica Ø75 | FA26130 | | |
| Elliptical lens Ø95 | Lente elíptica Ø95 | FA26230 | |   |
| Elliptical lens Ø130 | Lente elíptica Ø130 | FA26330 | |   |

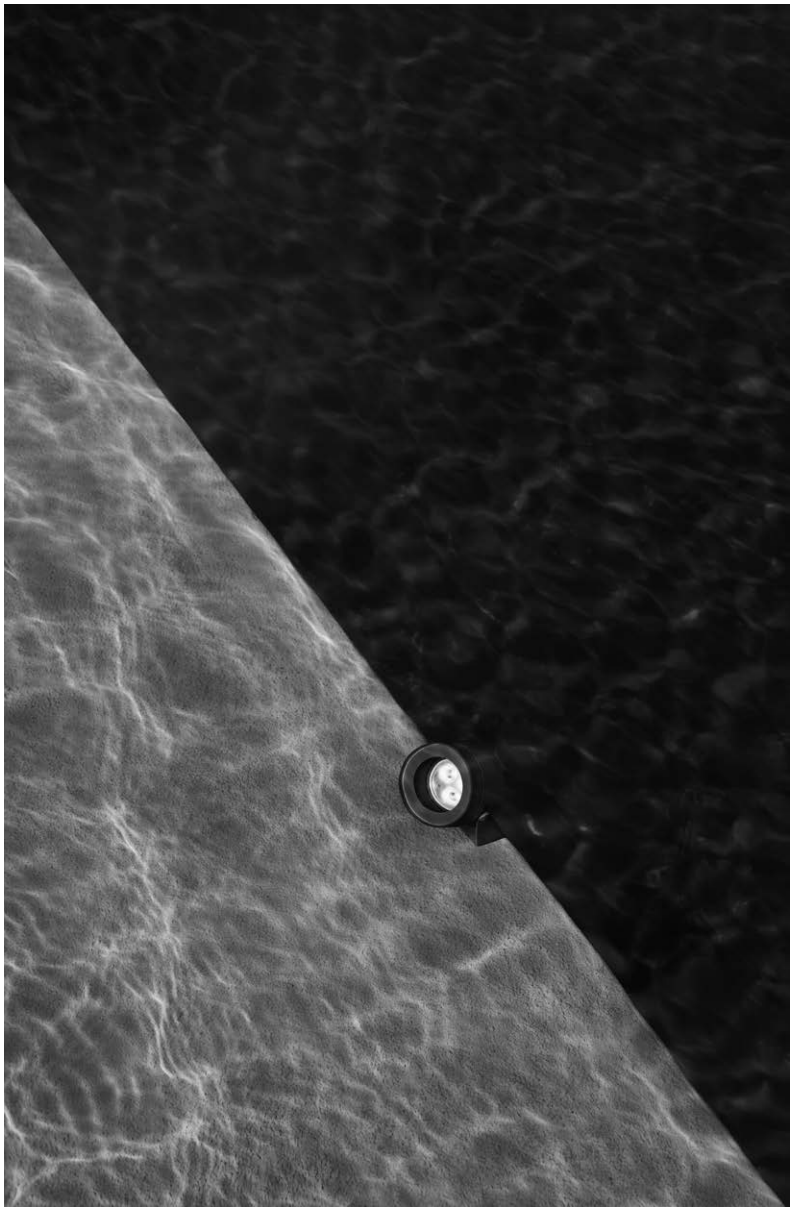
## Spock: Accessories / Accesorios

| | | | | |
|---|---|---|---|---|
| Kit of 2 ground spikes. | Kit con 2 clavos para la fijación en el suelo. | FA203 | | |
| 3/4 way terminal block 4 poles IP68 H2O Stop. (ø5,5÷12mm cable). | Bloque de terminales IP68 H2O Stop anticondensación con 3/4 vías y 4 polos. (Cable ø5,5÷12 mm). | F990C010000 | |   |
| 2 way terminal block 4 poles IP68 H2O Stop. (ø5,5÷12mm cable). | Bloque de terminales IP68 H2O Stop anticondensación con 2 vías y 4 polos. (Cable ø5,5÷12 mm). | F990C00A000 | |   |
| Surge protection device. 275Vac. Maximum discharge current 10KA (8/20µs). Maximum operating current 5A. Suitable for series connection. IP66. | Dispositivo de protección contra sobrecargas. 275 Vac. Corriente de descarga máxima 10KA (8/20µs). Corriente máxima de funcionamiento 5A. Apta para conexión en serie. IP66. | F990E00A000 | |   |

## Aimer

Aimer 2 Pole

Aimer 1 Aqua



Aimer 1

## Aimer 1

**Power Led**
up to 1,1W@350mA / 1,6W@500mA
up to 98@350mA lm / 111@500mA lm - 2700K/CRI 80
up to 106@350mA lm / 121@500mA lm - 3000K/CRI 80
up to 110@350mA lm / 125@500mA lm - 4000K/CRI 80
* Net lumen output
2200K available on request.

## Aimer 1 RGB

**Power Led**
up to 3,4W
up to 3CH x 350mA
* Net lumen output

## Aimer 2

**Power Led**
up to 3,4W
up to 138 lm - 2700K/CRI 80
up to 149 lm - 3000K/CRI 80
up to 155 lm - 4000K/CRI 80
* Net lumen output
2200K available on request.

**Power Led**
up to 4,5W
up to 246 lm - 2700K/CRI 80
up to 267 lm - 3000K/CRI 80
up to 277 lm - 4000K/CRI 80
* Net lumen output
2200K available on request.

## Aimer 2 Pole

**Power Led**
up to 3,4W
up to 138 lm - 2700K/CRI 80
up to 149 lm - 3000K/CRI 80
up to 155 lm - 4000K/CRI 80
* Net lumen output
2200K available on request.

## Aimer 2 Wall

**Power Led**
up to 3,4W
up to 138 lm - 2700K/CRI 80
up to 149 lm - 3000K/CRI 80
up to 155 lm - 4000K/CRI 80
* Net lumen output
2200K available on request.

## Aimer 3

**Power Led**
up to 4,5W
up to 359 lm - 2700K/CRI 80
up to 395 lm - 3000K/CRI 80
up to 410 lm - 4000K/CRI 80
* Net lumen output
2200K available on request.

**Power Led**
up to 3,3W@350mA / 5,1W@500mA
up to 364@350mA lm / 364@500mA lm - 2700K/CRI 80
up to 297@350mA lm / 395@500mA lm - 3000K/CRI 80
up to 308@350mA lm / 410@500mA lm - 4000K/CRI 80
* Net lumen output
2200K available on request.

## Aimer 3 RGB

**Power Led**
up to 3,4W
up to 3CH x 350mA
* Net lumen output

## Aimer 4

**Power Led**
up to 10W
up to 498 lm - 2700K/CRI 80
up to 535 lm - 3000K/CRI 80
up to 570 lm - 4000K/CRI 80
* Net lumen output
2200K available on request.

## Aimer 5

**Power Led**
up to 14W
up to 747 lm - 2700K/CRI 80
up to 803 lm - 3000K/CRI 80
up to 855 lm - 4000K/CRI 80
* Net lumen output
2200K available on request.

## Aimer 5 RGB

**Power Led**
up to 13,6W
up to 3CH x 350mA
* Net lumen output

## Family / Familia

### Aimer 1 Aqua

**Power Led**
up to 1,1W
up to 395 lm - 3000K/CRI 80
up to 410 lm - 4000K/CRI 80
* Net lumen output
2200K available on request.

### Aimer 1 Aqua RGB

**Power Led**
up to 3,4W
up to 3CH x 350mA
* Net lumen output

### Aimer 3 Aqua

**Power Led**
up to 4,5W
up to 267 lm - 3000K/CRI 80
up to 278 lm - 4000K/CRI 80
* Net lumen output
2200K available on request.

### Aimer 3 Aqua RGB

**Power Led**
up to 3,4W
up to 3CH x 350mA
* Net lumen output

### Aimer 4 Aqua

**Power Led**
up to 8W
up to 409 lm - 3000K/CRI 80
up to 435 lm - 4000K/CRI 80
* Net lumen output
2200K available on request.

### Aimer 5 Aqua

**Power Led**
up to 11W
up to 680 lm - 3000K/CRI 80
up to 723 lm - 4000K/CRI 80
* Net lumen output
2200K available on request.

### Aimer 5 Aqua RGB

**Power Led**
up to 13,6W
up to 3CH x 350mA

* Net lumen output

## Description / Descripción

Complete family of tiltable projection luminaires with LED source for wall, ceiling, and ground mounting. Defined by their compact cylinder shape. Available in different dimensions with different beam angles. Completed with the RGB versions to create sceneries with colored light. Available in different finishes, with double-layered powder coating and chemical conversion surface treatment to ensure high corrosion resistance. The fixing screws are made of stainless steel AISI 316L.

### Aimer

Light projectors designed for ceiling, wall and ground mounting with a metal nail that needs to be ordered separately. Available in three different diameters and different beam angles. Turned (EN AW 6060) and anodized aluminum body. Transparent or frosted glass diffuser with silkscreen edge, attached flush to the edge with a robotic gluing system to avoid water deposits. AISI 316L Stainless steel bracket included. With a protruding cable section to ease the connection. Available in 24V dc version (parallel connection) or 350/500 mA version (serial connection). A remote power supply is needed and must be ordered separately. The series is completed with optional optical visors to reduce direct dazzling.

### Aqua Aimer

Light projectors designed for ceiling, wall and ground mounting with a metal nail that needs to be ordered separately. Suitable for submersion to a depth of 1 meter (IP68 protection degree). Available in three different diameters and different beam angles. AISI 316L stainless steel body. Transparent or frosted glass diffuser with silkscreen edge, attached flush to the edge of the lamp with a robotic gluing system to avoid water deposits. AISI 316L Stainless steel bracket included. With a protruding cable section to ease the connection. Available in 24V version.

Familia completa de luminarias de proyección orientable, con fuente LED, diseñadas para instalación en techo, pared y suelo. Se caracterizan por la forma cilíndrica compacta. Disponibles en diferentes dimensiones y con diferentes haces de apertura. Se completan con la versión RGB, para la creación de escenografías con luces de colores. Disponibles en diferentes acabados, con recubrimiento de polvo de doble capa y tratamiento superficial de conversión química para garantizar una elevada resistencia ante la corrosión. Los tornillos de fijación son de acero inoxidable AISI 316L.

### Aimer

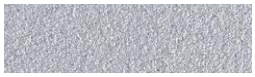
Proyectores de luz para instalación en techo, pared y suelo con clavo metálico que se debe pedir por separado. Disponibles en tres diferentes diámetros y con diferentes haces de apertura. Cuerpo de aluminio torneado (EN AW 6060) y anodizado. Difusor de vidrio transparente o esmerilado con borde serigrafiado, fijado a ras del borde mediante sistema de encolado robótico, para evitar depósitos de agua. Brida de fijación en acero inoxidable AISI 316L incluida. Dotados de sección de cable saliente para facilitar la conexión. Disponibles en versión 24V dc (conexión en paralelo) o en versión 350/500 mA (conexión en serie). Para la instalación se necesita una fuente de alimentación remota, que se debe pedir por separado. La serie se completa con visores opcionales para la reducción del deslumbramiento directo.

### Aqua Aimer

Proyectores de luz para instalación en techo, pared y suelo con clavo metálico que se debe pedir por separado. Aptos para quedar sumergidos a 1 metro de profundidad (grado de protección IP68). Disponibles en tres diámetros diferentes y con diferentes haces de apertura. Cuerpo de acero inoxidable AISI 316L. Difusor de vidrio transparente o esmerilado con borde serigrafiado, fijado a ras del borde de la lámpara mediante un sistema de encolado robótico, para evitar depósitos de agua. Brida de fijación en acero inoxidable AISI 316L incluida. Dotados de sección de cable saliente para facilitar la conexión. Disponibles en versión 24V.

## Colours / Colores


01 White


06 Grey

12 Forest Green

18 Deep Brown

30 Black

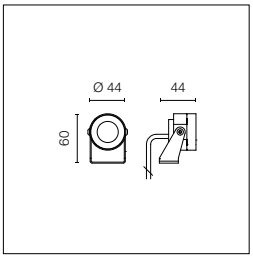
33 Anthracite

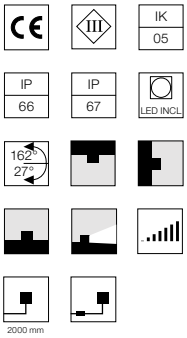
57 Polished Stainless Steel*

70 Anodized Aluminium

* Only for Aimer Aqua version. / Sólo para la versión Aimer Aqua.

## Aimer 1 Constant Current




LED source included. Remote power supply 350/500 mA ON/OFF and dimmable 1-10V or DALI. Must be ordered separately. Serial connection. Equipped with a 2000 mm protruding section of neoprene cable and a kit with crimpable connectors and adhesive heat-shrinkable sleeves that guarantee the tightness of the connection. Extraclear transparent glass.
The metal nail for ground installation needs to be ordered separately.

2200K available on request.

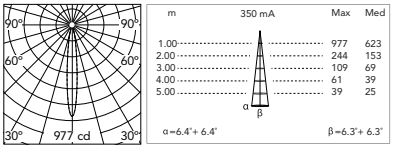
Fuente LED incluida. Fuente de alimentación eléctrica remota 350/500 mA ON/OFF e intensidad regulable entre 1 y 10V o DALI que se debe pedir por separado. Conexión en serie. Dotado de una sección de cable de neopreno que sobresale 2000 mm y kit con conectores crimpables y fundas termoretráctiles adhesivas que garantizan la estanqueidad de la conexión. Vidrio transparente extraclaro.
Clavo metálico para la instalación en suelos que se debe pedir por separado.

2200K disponible bajo pedido.

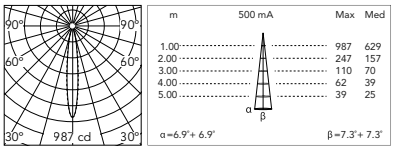
### Optic Spot 10º

**Power Led:** 1,1W@350mA - 110@350mA lm ≠ OUTPUT 98@350mA lm - 1,6W@500mA 144@500mA lm ≠ OUTPUT 111@500mA lm - 2700K/CRI 80
1,1W@350mA - 120@350mA lm ≠ OUTPUT 106@350mA lm - 1,6W@500mA 155@500mA lm ≠ OUTPUT 121@500mA lm - 3000K/CRI 80
1,1W@350mA - 124@350mA lm ≠ OUTPUT 110@350mA lm - 1,6W@500mA 161@500mA lm ≠ OUTPUT 125@500mA lm - 4000K/CRI 80

| 2700K | 3000K | 4000K |
|---|---|---|
| FA1051442201.A | FA1051441201.A | FA1051711201.A |
| FA1051442206.A | FA1051441206.A | FA1051711206.A |
| FA1051442212.A | FA1051441212.A | FA1051711212.A |
| FA1051442218.A | FA1051441218.A | FA1051711218.A |
| FA1051442230.A | FA1051441230.A | FA1051711230.A |
| FA1051442233.A | FA1051441233.A | FA1051711233.A |
| FA1051442270.A | FA1051441270.A | FA1051711270.A |




@ 3000K

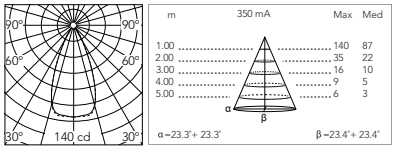



@ 3000K

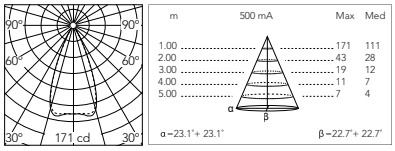
### Optic Medium 30º

**Power Led:** 1,1W@350mA - 110@350mA lm ≠ OUTPUT 91@350mA lm - 1,6W@500mA 144@500mA lm ≠ OUTPUT 102@500mA lm - 2700K/CRI 80
1,1W@350mA - 120@350mA lm ≠ OUTPUT 99@350mA lm - 1,6W@500mA 155@500mA lm ≠ OUTPUT 110@500mA lm - 3000K/CRI 80
1,1W@350mA - 124@350mA lm ≠ OUTPUT 103@350mA lm - 1,6W@500mA 161@500mA lm ≠ OUTPUT 114@500mA lm - 4000K/CRI 80

| 2700K | 3000K | 4000K |
|---|---|---|
| FA1051442001.A | FA1051440001.A | FA1051710001.A |
| FA1051442006.A | FA1051440006.A | FA1051710006.A |
| FA1051442012.A | FA1051440012.A | FA1051710012.A |
| FA1051442018.A | FA1051440018.A | FA1051710018.A |
| FA1051442030.A | FA1051440030.A | FA1051710030.A |
| FA1051442033.A | FA1051440033.A | FA1051710033.A |
| FA1051442070.A | FA1051440070.A | FA1051710070.A |




@ 3000K




@ 3000K

* Maximum number of luminaires per power supply / Número máximo de luminarias por fuente de alimentación.

Maximum number of luminaires per power supply. (220÷240 V). These data must be checked taking into account the specific installation conditions.

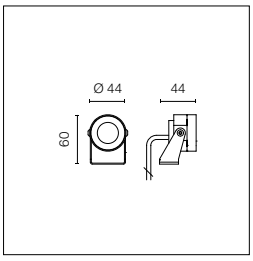
Número máximo de luminarias por fuente de alimentación (220÷240 V). Estos datos deben ser comprobados teniendo en cuenta las condiciones específicas de instalación.

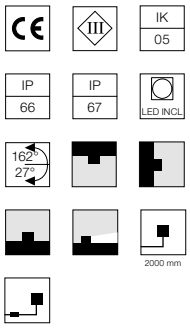
| | |
|---|---|
| Acc. RF25754 | 6 |
| Acc. RF25748 | 6 |
| Acc. FA68 | 10 |

| | |
|---|---|
| Acc. FA129 | **16 |
| Acc. FA184 | **16 |
| Acc. FA135 | **12 |
| Acc. FA218 | **12 |
| Acc. FA238.A | **9 |
| Acc. FA239.A | **9 |

**The voltage at the end of the system depends on the number of fixtures connected in series, please comply with CEI 64-8 standards.

**La tensión en los extremos del sistema depende del número de luminarias conectadas en serie, atenerse a la normativa CEI 64-8.




RGB LED source included.
Remote electrical power supply with DMX 3chx350mA interface to be ordered separately. Serial connection. Equipped with a 2000 mm protruding section of neoprene cable and a kit with crimpable connectors and adhesive heat-shrinkable sleeves that guarantee the tightness of the connection.
Sandblasted screen-printed glass
The metal nail for ground installation needs to be ordered separately.

**Wiring diagram and installation scheme RGB.**

Max 10 luminaires Aimer 1 RGB for each code F990B22A000.

See Wiring Diagram n.5
Page 878.

Fuente LED RGB incluida.
Fuente de alimentación eléctrica remota con interfaz DMX 3chx350mA que se debe pedir por separado. Conexión en serie. Dotado de una sección de cable de neopreno que sobresale 2000 mm y kit con conectores crimpables y fundas termoretráctiles adhesivas que garantizan la estanqueidad de la conexión. Vidrio serigrafiado arenado.
Clavo metálico par la instalación en suelos que se debe pedir por separado.

**Esquema eléctrico e instalación sistema RGB.**

Máximo 10 luminaires Aimer 1 RGB para cada código F990B22A000.

Ver Esquema Eléctrico n.5
Página 878.

**RGB Power Led:** 3 , 4 W - 3CH x 350mA

**RGB**

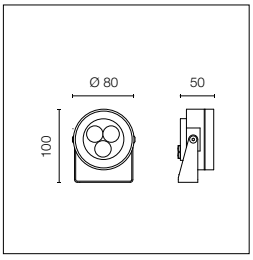
- ○ FA1051730001.A
- ● FA1051730006.A
- ● FA1051730012.A
- ● FA1051730018.A
- ● FA1051730030.A
- ● FA1051730033.A
- ● FA1051730070.A

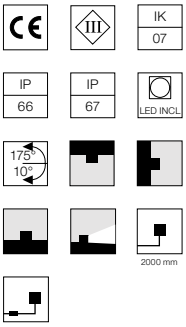
Photometric data on request.

* Maximum number of luminaires per power supply / Número máximo de luminarias por fuente de alimentación.

| | | | | |
|---|---|---|---|---|
| Maximum number of luminaires per power supply. (220÷240 V). These data must be checked taking into account the specific installation conditions. | Número máximo de luminarias por fuente de alimentación (220÷240 V). Estos datos deben ser comprobados teniendo en cuenta las condiciones específicas de instalación. | Acc. F990B22A000 **10 | **The voltage at the end of the system depends on the number of fixtures connected in series, please comply with CEI 64-8 standards. | **La tensión en los extremos del sistema depende del número de luminarias conectadas en serie, atenerse a la normativa CEI 64-8. |

## Aimer 3 Constant Voltage




LED source included. Remote electrical power supply 24V dc ON/OFF to be ordered separately. Parallel connection. Equipped with a 2000 mm protruding section of neoprene cable and a kit with crimpable connectors and adhesive heat-shrinkable sleeves that guarantee the tightness of the connection. Fixing bracket included.
Extraclear transparent glass.
The metal nail for ground installation needs to be ordered separately.

2200K available on request.

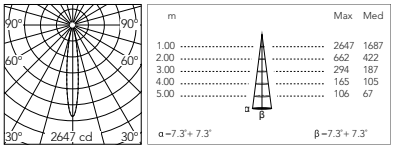
Fuente LED incluida. Fuente de alimentación eléctrica remota 24V dc ON/OFF que se debe pedir por separado. Conexión en paralelo. Dotado de una sección de cable de neopreno que sobresale 2000 mm y kit con conectores crimpables y fundas termoretráctiles adhesivas que garantizan la estanqueidad de la conexión. Brida de fijación incluida. Vidrio transparente extraclaro.
Clavo metálico para instalación en suelos que se debe pedir por separado.

2200K disponible bajo pedido.

### Optic Spot 10º

**Power Led:** 4,5W - 431 lm ≠ OUTPUT 359 lm - 2700K/CRI 80 - 24Vdc / 4,5W - 466 lm ≠ OUTPUT 389 lm - 3000K/CRI 80 - 24Vdc / 4,5W - 484 lm ≠ OUTPUT 404 lm - 4000K/CRI 80 - 24Vdc

| 2700K | 3000K | 4000K |
|---|---|---|
| FA105562201 | FA105561201 | FA1051721201 |
| FA105562206 | FA105561206 | FA1051721206 |
| FA105562212 | FA105561212 | FA1051721212 |
| FA105562218 | FA105561218 | FA1051721218 |
| FA105562230 | FA105561230 | FA1051721230 |
| FA105562233 | FA105561233 | FA1051721233 |
| FA105562270 | FA105561270 | FA1051721270 |

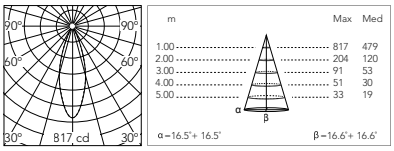



@ 3000K

### Optic Medium 30º

**Power Led:** 4,5W - 431 lm ≠ OUTPUT 364 lm - 2700K/CRI 80 - 24Vdc / 4,5W - 466 lm ≠ OUTPUT 395 lm - 3000K/CRI 80 - 24Vdc / 4,5W - 484 lm ≠ OUTPUT 410 lm - 4000K/CRI 80 - 24Vdc

| 2700K | 3000K | 4000K |
|---|---|---|
| FA105562101 | FA105561101 | FA1051721101 |
| FA105562106 | FA105561106 | FA1051721106 |
| FA105562112 | FA105561112 | FA1051721112 |
| FA105562118 | FA105561118 | FA1051721118 |
| FA105562130 | FA105561130 | FA1051721130 |
| FA105562133 | FA105561133 | FA1051721133 |
| FA105562170 | FA105561170 | FA1051721170 |

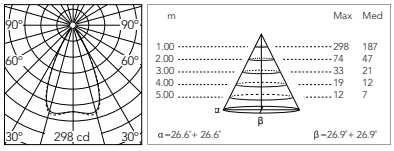



@ 3000K

### Optic Flood 50º

**Power Led:** 4,5W - 431 lm ≠ OUTPUT 329 lm - 2700K/CRI 80 - 24Vdc / 4,5W - 466 lm ≠ OUTPUT 357 lm - 3000K/CRI 80 - 24Vdc / 4,5W - 484 lm ≠ OUTPUT 371 lm - 4000K/CRI 80 - 24Vdc

| 2700K | 3000K | 4000K |
|---|---|---|
| FA105562001 | FA105560001 | FA1051720001 |
| FA105562006 | FA105560006 | FA1051720006 |
| FA105562012 | FA105560012 | FA1051720012 |
| FA105562018 | FA105560018 | FA1051720018 |
| FA105562030 | FA105560030 | FA1051720030 |
| FA105562033 | FA105560033 | FA1051720033 |
| FA105562070 | FA105560070 | FA1051720070 |



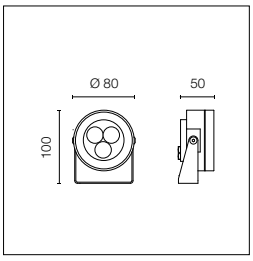

@ 3000K

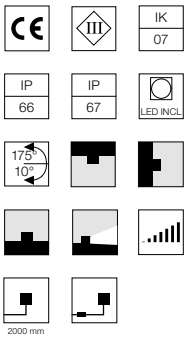
* Maximum number of luminaires per power supply / Número máximo de luminarias por fuente de alimentación.

Maximum number of luminaires per power supply. (220÷240 V). These data must be checked taking into account the specific installation conditions.

Número máximo de luminarias por fuente de alimentación (220÷240 V). Estos datos deben ser comprobados teniendo en cuenta las condiciones específicas de instalación.

| | | | |
|---|---|---|---|
| Acc. RF25754 | 1 | Acc. RF25752 | 3 |
| Acc. RF25748 | 1 | Acc. F990B28A000 | 7 |
| Acc. RF25747 | 2 | Acc. F990B27A000 | 14 |
| Acc. RF25757 | 2 | | |




LED source included. Remote power supply 350/500 mA ON/OFF and dimmable 1-10V or DALI. Must be ordered separately. Serial connection. Equipped with a 2000 mm protruding section of neoprene cable and a kit with crimpable connectors and adhesive heat-shrinkable sleeves that guarantee the tightness of the connection. Extraclear transparent glass.
The metal nail for ground installation needs to be ordered separately.

2200K available on request.

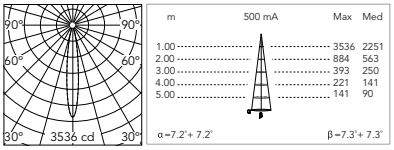
Fuente LED incluida. Fuente de alimentación eléctrica remota 350/500 mA ON/OFF e intensidad regulable entre 1 y 10V o DALI que se debe pedir por separado. Conexión en serie. Dotado de una sección de cable de neopreno que sobresale 2000 mm y kit con conectores crimpables y fundas termoretráctiles adhesivas que garantizan la estanqueidad de la conexión. Vidrio transparente extraclaro.
Clavo metálico para instalación en suelos que se debe pedir por separado.

2200K disponible bajo pedido.

### Optic Spot 10º

**Power Led:** 3,3W@350mA - 331@350mA lm ≠ OUTPUT 270@350mA lm / 5,1W@500mA - 431@500mA lm ≠ OUTPUT 359@500mA lm - 2700K/CRI 80
3,3W@350mA - 359@350mA lm ≠ OUTPUT 293@350mA lm - 5,1W@500mA - 466@500mA lm ≠ OUTPUT 389@500mA lm - 3000K/CRI 80
3,3W@350mA - 373@350mA lm ≠ OUTPUT 304@350mA lm - 5,1W@500mA - 484@500mA lm ≠ OUTPUT 404@500mA lm - 4000K/CRI 80

| 2700K | 3000K | 4000K |
|---|---|---|
| FA1051072201 | FA1051071201 | FA1051901201 |
| FA1051072206 | FA1051071206 | FA1051901206 |
| FA1051072212 | FA1051071212 | FA1051901212 |
| FA1051072218 | FA1051071218 | FA1051901218 |
| FA1051072230 | FA1051071230 | FA1051901230 |
| FA1051072233 | FA1051071233 | FA1051901233 |
| FA1051072270 | FA1051071270 | FA1051901270 |

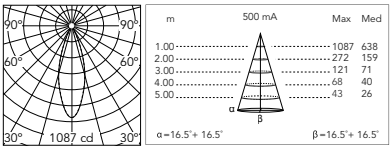



@ 3000K

### Optic Medium 30º

**Power Led:** 3,3W@350mA - 331@350mA lm ≠ OUTPUT 274@350mA lm / 5,1W@500mA - 431@500mA lm ≠ OUTPUT 364@500mA lm - 2700K/CRI 80
3,3W@350mA - 359@350mA lm ≠ OUTPUT 297@350mA lm - 5,1W@500mA - 466@500mA lm ≠ OUTPUT 395@500mA lm - 3000K/CRI 80
3,3W@350mA - 373@350mA lm ≠ OUTPUT 308@350mA lm - 5,1W@500mA - 484@500mA lm ≠ OUTPUT 410@500mA lm - 4000K/CRI 80

| 2700K | 3000K | 4000K |
|---|---|---|
| FA1051072101 | FA1051071101 | FA1051901101 |
| FA1051072106 | FA1051071106 | FA1051901106 |
| FA1051072112 | FA1051071112 | FA1051901112 |
| FA1051072118 | FA1051071118 | FA1051901118 |
| FA1051072130 | FA1051071130 | FA1051901130 |
| FA1051072133 | FA1051071133 | FA1051901133 |
| FA1051072170 | FA1051071170 | FA1051901170 |

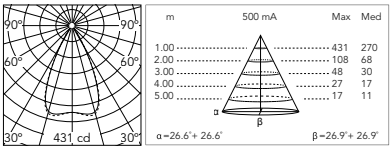



@ 3000K

### Optic Flood 50º

**Power Led:** 3,3W@350mA - 331@350mA lm ≠ OUTPUT 247@350mA lm / 5,1W@500mA - 431@500mA lm ≠ OUTPUT 329@500mA lm - 2700K/CRI 80
3,3W@350mA - 359@350mA lm ≠ OUTPUT 267@350mA lm - 5,1W@500mA - 466@500mA lm ≠ OUTPUT 357@500mA lm - 3000K/CRI 80
3,3W@350mA - 373@350mA lm ≠ OUTPUT 278@350mA lm - 5,1W@500mA - 484@500mA lm ≠ OUTPUT 371@500mA lm - 4000K/CRI 80

| 2700K | 3000K | 4000K |
|---|---|---|
| FA1051072001 | FA1051070001 | FA1051900001 |
| FA1051072006 | FA1051070006 | FA1051900006 |
| FA1051072012 | FA1051070012 | FA1051900012 |
| FA1051072018 | FA1051070018 | FA1051900018 |
| FA1051072030 | FA1051070030 | FA1051900030 |
| FA1051072033 | FA1051070033 | FA1051900033 |
| FA1051072070 | FA1051070070 | FA1051900070 |




@ 3000K

* Maximum number of luminaires per power supply / Número máximo de luminarias por fuente de alimentación.

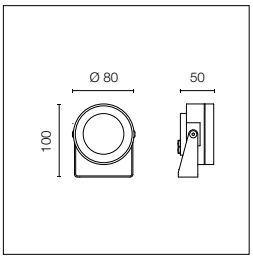
Maximum number of luminaires per power supply. (220÷240 V). These data must be checked taking into account the specific installation conditions.

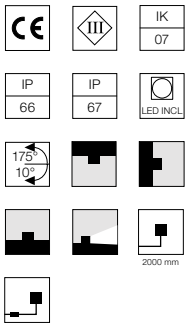
Número máximo de luminarias por fuente de alimentación (220÷240 V). Estos datos deben ser comprobados teniendo en cuenta las condiciones específicas de instalación.

| | |
|---|---|
| Acc. RF25754 | 2 |
| Acc. RF25748 | 2 |
| Acc. FA68 | 3 |
| Acc. FA129 | **5 |
| Acc. FA184 | **5 |
| Acc. FA135 | **2 |
| Acc. FA218 | **2 |
| Acc. FA238.A | **3 |
| Acc. FA239.A | **3 |

**The voltage at the end of the system depends on the number of fixtures connected in series, please comply with CEI 64-8 standards.

**La tensión en los extremos del sistema depende del número de luminarias conectadas en serie, atenerse a la normativa CEI 64-8.




RGB LED source included.
Remote electrical power supply with DMX 3chx350mA interface to be ordered separately. Serial connection. Equipped with a 2000 mm protruding section of neoprene cable and a kit with crimpable connectors and adhesive heat-shrinkable sleeves that guarantee the tightness of the connection.
Transparent screen-printed glass.
The metal nail for ground installation needs to be ordered separately.

**Wiring diagram and installation scheme RGB.**

Max 10 luminaires Aimer 3 RGB for each code F990B22A000.

See Wiring Diagram n.5
Page 878.

Fuente LED RGB incluida.
Fuente de alimentación eléctrica remota con interfaz DMX 3chx350mA que se debe pedir por separado. Conexión en serie. Dotado de una sección de cable de neopreno que sobresale 2000 mm y kit con conectores crimpables y fundas termoretráctiles adhesivas que garantizan la estanqueidad de la conexión. Vidrio transparente serigrafiado.
Clavo metálico par la instalación en suelos que se debe pedir por separado.

**Esquema eléctrico e instalación sistema RGB.**

Máximo 10 luminaires Aimer 3 RGB para cada código F990B22A000.

Ver Esquema Eléctrico n.5
Página 878.

**Optic Spot 10º**

**Power Led:** 3,4W - 3CH x 350mA

**RGB**

- FA1051741201
- FA1051741206
- FA1051741212
- FA1051741218
- FA1051741230
- FA1051741233
- FA1051741270

**Optic Medium 35º**

**Power Led:** 3,4W - 3CH x 350mA

**RGB**

- FA1051740001
- FA1051740006
- FA1051740012
- FA1051740018
- FA1051740030
- FA1051740033
- FA1051740070

Photometric data on request.

* Maximum number of luminaires per power supply / Número máximo de luminarias por fuente de alimentación.

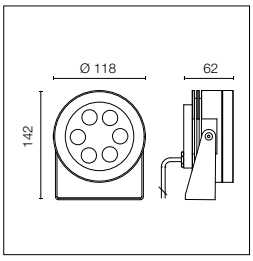
Maximum number of luminaires per power supply. (220÷240 V). These data must be checked taking into account the specific installation conditions.

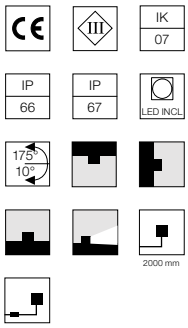
Número máximo de luminarias por fuente de alimentación (220÷240 V). Estos datos deben ser comprobados teniendo en cuenta las condiciones específicas de instalación.

Acc. F990B22A000 **10

**The voltage at the end of the system depends on the number of fixtures connected in series, please comply with CEI 64-8 standards.

**La tensión en los extremos del sistema depende del número de luminarias conectadas en serie, atenerse a la normativa CEI 64-8.




LED source included. Remote electrical power supply 24V dc ON/OFF to be ordered separately. Parallel connection. Equipped with a 2000 mm protruding section of neoprene cable and a kit with crimpable connectors and adhesive heat-shrinkable sleeves that guarantee the tightness of the connection. Fixing bracket included.
Extraclear transparent glass.
The metal nail for ground installation needs to be ordered separately.

2200K available on request.

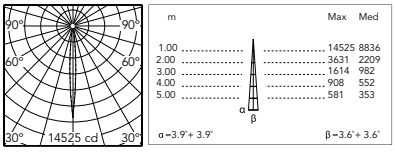
Fuente LED incluida. Fuente de alimentación eléctrica remota 24V dc ON/OFF que se debe pedir por separado. Conexión en paralelo. Dotado de una sección de cable de neopreno que sobresale 2000 mm y kit con conectores crimpables y fundas termoretráctiles adhesivas que garantizan la estanqueidad de la conexión. Brida de fijación incluida. Vidrio transparente extraclaro.
Clavo metálico para instalación en suelos que se debe pedir por separado.

2200K disponible bajo pedido.

### Optic Spot 8º

**Power Led:** 10W - 776 lm ≠ OUTPUT 498 lm - 2700K/CRI 80 - 24Vdc / 10W - 834 lm ≠ OUTPUT 535 lm - 3000K/CRI 80 - 24Vdc / 10W - 889 lm ≠ OUTPUT 570 lm - 4000K/CRI 80 - 24Vdc

| 2700K | 3000K | 4000K |
|---|---|---|
| ○ FA1052552201 | ○ FA1052551201 | ○ FA1052541201 |
| ● FA1052552206 | ● FA1052551206 | ● FA1052541206 |
| ● FA1052552212 | ● FA1052551212 | ● FA1052541212 |
| ● FA1052552218 | ● FA1052551218 | ● FA1052541218 |
| ● FA1052552230 | ● FA1052551230 | ● FA1052541230 |
| ● FA1052552233 | ● FA1052551233 | ● FA1052541233 |
| ● FA1052552270 | ● FA1052551270 | ● FA1052541270 |

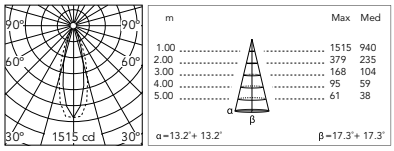



@ 4000K

### Optic Medium 26º

**Power Led:** 10W - 776 lm ≠ OUTPUT 486 lm - 2700K/CRI 80 - 24Vdc / 10W - 834 lm ≠ OUTPUT 523 lm - 3000K/CRI 80 - 24Vdc / 10W - 889 lm ≠ OUTPUT 558 lm - 4000K/CRI 80 - 24Vdc

| 2700K | 3000K | 4000K |
|---|---|---|
| ○ FA1052552001 | ○ FA1052550001 | ○ FA1052540001 |
| ● FA1052552006 | ● FA1052550006 | ● FA1052540006 |
| ● FA1052552012 | ● FA1052550012 | ● FA1052540012 |
| ● FA1052552018 | ● FA1052550018 | ● FA1052540018 |
| ● FA1052552030 | ● FA1052550030 | ● FA1052540030 |
| ● FA1052552033 | ● FA1052550033 | ● FA1052540033 |
| ● FA1052552070 | ● FA1052550070 | ● FA1052540070 |




@ 4000K

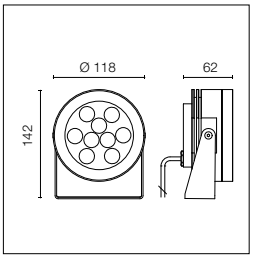
* Maximum number of luminaires per power supply / Número máximo de luminarias por fuente de alimentación.

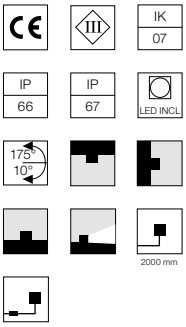
Maximum number of luminaires per power supply. (220÷240 V). These data must be checked taking into account the specific installation conditions.

Número máximo de luminarias por fuente de alimentación (220÷240 V). Estos datos deben ser comprobados teniendo en cuenta las condiciones específicas de instalación.

| | |
|---|---|
| Acc. RF25752 | 1 |
| Acc. F990B28A000 | 2 |
| Acc. F990B27A000 | 5 |

## Aimer 5 Constant Voltage




LED source included. Remote electrical power supply 24V dc ON/OFF to be ordered separately. Parallel connection. Equipped with a 2000 mm protruding section of neoprene cable and a kit with crimpable connectors and adhesive heat-shrinkable sleeves that guarantee the tightness of the connection. Fixing bracket included.
Extraclear transparent glass.
The metal nail for ground installation needs to be ordered separately.

2200K available on request.

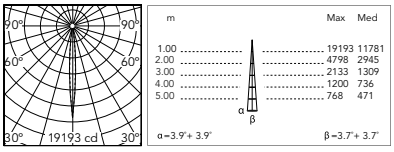
Fuente LED incluida. Fuente de alimentación eléctrica remota 24V dc ON/OFF que se debe pedir por separado. Conexión en paralelo. Dotado de una sección de cable de neopreno que sobresale 2000 mm y kit con conectores crimpables y fundas termoretráctiles adhesivas que garantizan la estanqueidad de la conexión. Brida de fijación incluida. Vidrio transparente extraclaro.
Clavo metálico para instalación en suelos que se debe pedir por separado.

2200K disponible bajo pedido.

### Optic Spot 8º

**Power Led:** 14W - 1164 lm ≠ OUTPUT 747 lm - 2700K/CRI 80 - 24Vdc / 14W - 1252 lm ≠ OUTPUT 803 lm - 3000K/CRI 80 - 24Vdc / 14W - 1333 lm ≠ OUTPUT 855 lm - 4000K/CRI 80 - 24Vdc

| 2700K | 3000K | 4000K |
|---|---|---|
| FA1052522201 | FA1052521201 | FA1052511201 |
| FA1052522206 | FA1052521206 | FA1052511206 |
| FA1052522212 | FA1052521212 | FA1052511212 |
| FA1052522218 | FA1052521218 | FA1052511218 |
| FA1052522230 | FA1052521230 | FA1052511230 |
| FA1052522233 | FA1052521233 | FA1052511233 |
| FA1052522270 | FA1052521270 | FA1052511270 |

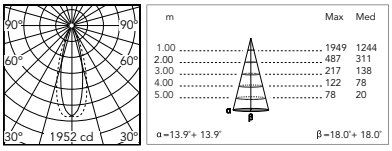



@ 3000K

### Optic Medium 28º

**Power Led:** 14W - 1164 lm ≠ OUTPUT 730 lm - 2700K/CRI 80 - 24Vdc / 14W - 1252 lm ≠ OUTPUT 785 lm - 3000K/CRI 80 - 24Vdc / 14W - 1333 lm ≠ OUTPUT 836 lm - 4000K/CRI 80 - 24Vdc

| 2700K | 3000K | 4000K |
|---|---|---|
| FA1052522001 | FA1052520001 | FA1052510001 |
| FA1052522006 | FA1052520006 | FA1052510006 |
| FA1052522012 | FA1052520012 | FA1052510012 |
| FA1052522018 | FA1052520018 | FA1052510018 |
| FA1052522030 | FA1052520030 | FA1052510030 |
| FA1052522033 | FA1052520033 | FA1052510033 |
| FA1052522070 | FA1052520070 | FA1052510070 |



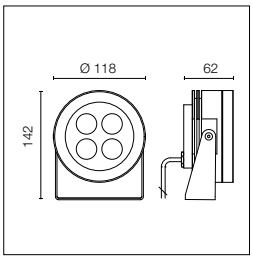

@ 3000K

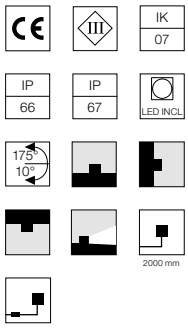
* Maximum number of luminaires per power supply / Número máximo de luminarias por fuente de alimentación.

Maximum number of luminaires per power supply. (220÷240 V). These data must be checked taking into account the specific installation conditions.

Número máximo de luminarias por fuente de alimentación (220÷240 V). Estos datos deben ser comprobados teniendo en cuenta las condiciones específicas de instalación.

| | |
|---|---|
| Acc.F990B28A000 | 1 |
| Acc. F990B27A000 | 3 |




RGB LED source included. Remote electrical power supply with DMX 3chx350mA interface to be ordered separately. Serial connection. Equipped with a 2000 mm protruding section of neoprene cable and a kit with crimpable connectors and adhesive heat-shrinkable sleeves that guarantee the tightness of the connection. Transparent screen-printed glass.
The metal nail for ground installation needs to be ordered separately.

**Wiring diagram and installation scheme RGB.**

Max 2 luminaires Aimer 5 RGB for each code F990B22A000.

See Wiring Diagram n.5 Page 878.

Fuente LED RGB incluida. Fuente de alimentación eléctrica remota con interfaz DMX 3chx350mA que se debe pedir por separado. Conexión en serie. Dotado de una sección de cable de neopreno que sobresale 2000 mm y kit con conectores crimpables y fundas termoretráctiles adhesivas que garantizan la estanqueidad de la conexión. Vidrio transparente serigrafiado.
Clavo metálico par la instalación en suelos que se debe pedir por separado.

**Esquema eléctrico e instalación sistema RGB.**

Máximo 2 luminaires Aimer 5 RGB para cada código F990B22A000.

Ver Esquema Eléctrico n.5 Página 878.

**Optic Spot 10º**

**RGB Power Led:** 13,6W - 3CH x 350mA

**RGB**

- FA1052561201
- FA1052561206
- FA1052561212
- FA1052561218
- FA1052561230
- FA1052561233
- FA1052561270

**Optic Medium 35º**

**RGB Power Led:** 13,6W - 3CH x 350mA

**RGB**

- FA1052560001
- FA1052560006
- FA1052560012
- FA1052560018
- FA1052560030
- FA1052560033
- FA1052560070

Photometric data on request.

* Maximum number of luminaires per power supply / Número máximo de luminarias por fuente de alimentación.

Maximum number of luminaires per power supply. (220÷240 V). These data must be checked taking into account the specific installation conditions.

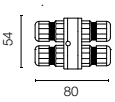
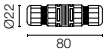
Número máximo de luminarias por fuente de alimentación (220÷240 V). Estos datos deben ser comprobados teniendo en cuenta las condiciones específicas de instalación.

Acc. F990B22A000

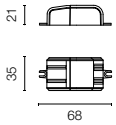
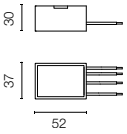
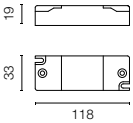
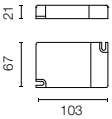
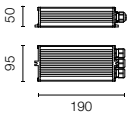
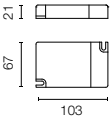
**The voltage at the end of the system depends on the number of fixtures connected in series, please comply with CEI 64-8 standards.

**La tensión en los extremos del sistema depende del número de luminarias conectadas en serie, atenerse a la normativa CEI 64-8.

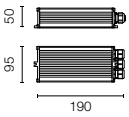
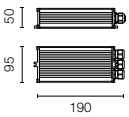
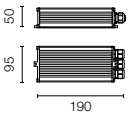
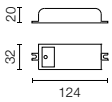
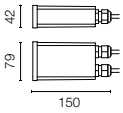
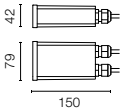
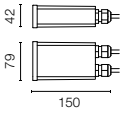
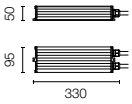
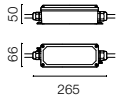
## Aimer: Accessories / Accesorios

| | | | | |
|---|---|---|---|---|
| Visor Aimer 1. | Visor Aimer 1. | Aimer 1<br>FA5230 | | |
| Visor Aimer 3. | Visor Aimer 3. | Aimer 3<br>FA5130 | | |
| Ground spike. | Clavo metálico para instalación en suelos. | Aimer 1 / 3 / 4 / 5<br>FA136 | | |
| 3/4 way terminal block 4 poles IP68 H2O Stop. (ø5,5÷12mm cable). | Bloque de terminales IP68 H2O Stop anticondensación con 3/4 vías y 4 polos. (Cable ø5,5÷12 mm). | Aimer 3 / 4 / 5<br>F990C010000 | |  |
| 2 way terminal block 4 poles IP68 H2O Stop. (ø5,5÷12mm cable). | Bloque de terminales IP68 H2O Stop anticondensación con 2 vías y 4 polos. (Cable ø5,5÷12 mm). | Aimer 3 / 4 / 5<br>F990C00A000 | |  |

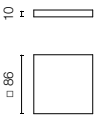
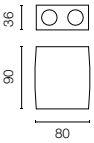
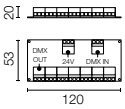
## Aimer: Drivers / Equipos

| | | | | |
|---|---|---|---|---|
| Power supply dual function Vout 24Vdc: 8W/100÷240V Iout 350ma: 6x1W/100÷240V IP20 Class II Selv Eq. | Fuente de alimentación con función dual Vout 24Vdc: 8W/100÷240V Iout 350ma: 6x1W/100÷240V IP20 Clase II Selv Eq. | Aimer 1 / 3<br>*RF25754 | |  |
| Power supply 24V 8W / 110-240V IP65 Class II selv. | Transformador 24V 8W / 110-240V IP65 Clase II selv. | Aimer 1 / 3<br>*RF25748 | |  |
| Power supply 10 x 1W/ 100÷265V - Iout 350mA (7x1W/110V) IP40 Class II Selv Eq. | Fuente de alimentaición 10 x 1W/ 100÷265V - Iout 350mA (7x1W/110V) IP40 clase II Selv Eq. | Aimer 1 / 3<br>*FA68 | |  |
| Power supply 16 x 1W/ 110÷240V - Iout 350mA (12x1W@110V) IP20 Class II Selv Eq. | Fuente de alimentaición 16 x 1W/ 110÷240V - Iout 350mA (12x1W@110V) IP20 Clase II Selv Eq. | Aimer 1 / 3<br>*FA129<br>Dimmable Push-Dim Or 1-10V<br>See Wiring Diagram n.3. Page 876 | |  |
| Power supply 16 x 1W/ 110÷240V - Iout 350mA (12x1W@110V) IP67 Class II Selv. | Fuente de alimentaición 16 x 1W/ 110÷240V - Iout 350mA (12x1W@110V) IP67 Clase II Selv Eq. | Aimer 1 / 3<br>*FA184<br>Dimmable Push-Dim Or 1-10V<br>See Wiring Diagram n.3. Page 876 | |  |
| Power supply 13 x 2W/ 110÷240V - Iout 500mA (7x2W@110V) IP20 Class II Selv. Eq. | Fuente de alimentaición 13 x 2W/ 110÷240V - Iout 500mA (7x2W@110V) IP20 Clase II Selv Eq. | Aimer 1 / 3<br>*FA135<br>Dimmable Push-Dim Or 1-10V<br>See Wiring Diagram n.3. Page 876 | |  |

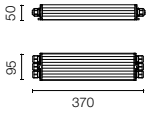
## Aimer: Drivers / Equipos

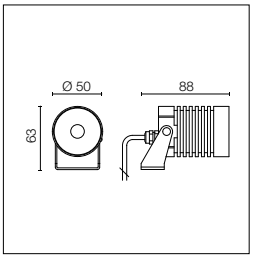
| | | | | |
|---|---|---|---|---|
| Power supply13 x 2W/ 110÷240V - Iout 500mA (7x2W@110V) IP67 Class II Selv. | Fuente de alimentaición 13 x 2W/ 110÷240V - Iout 500mA (7x2W@110V) IP67 Clase II Selv | Aimer 1 / 3<br>*FA218<br>Dimmable Push-Dim Or 1-10V<br>See Wiring Diagram n.3. Page Page 876 | |  |
| Power supply 18W/ 110÷240V - Iout 350mA (15W@110V) IP67 Class II Selv. C. | Fuente de alimentaición 18W/ 110÷240V - Iout 350mA (15W@110V) IP67Clase II Selv C | Aimer 1 / 3<br>*FA238.A<br>Dimmable DALI<br>See Wiring Diagram n.3. Page Page 876 | |  |
| Power supply 24W/ 110÷240V - Iout 500mA (15W@110V) IP67 Class II Selv. | Fuente de alimentaición 24W/ 110÷240V - Iout 500mA (15W@110V) IP67 Clase II Selv Eq. | Aimer 1 / 3<br>*FA239.A<br>Dimmable DALI<br>See Wiring Diagram n.3. Page Page 876 | |  |
| Power supply 24V 10W /110-240V IP20 Class II selv. | Transformador 24V 10W / 110-240V IP20 Clase II selv. | Aimer 3<br>*RF25747 | |  |
| Power supply 24V 10W / 110-240V IP67 Class II selv. | Transformador 24V 10W / 110-240V IP67 Clase II selv. | Aimer 3<br>*RF25757 | |  |
| Power supply for remote installation 24Vdc 20W / 220-240V IP67 Class II selv. | Transformador para instalación remota 24Vdc 20W / 220-240V IP67 Clase II selv. | Aimer 3 / 4 / 5<br>*RF25752 | |  |
| Power supply 24Vdc 35W / 120-270V IP67 Class II selv. | Fuente de alimentación 24Vdc 35W / 120-270V IP67 Clase II selv. | F990B23AZ00 | |  |
| Power supply for remote installation 24Vdc 50W / 120-240V IP67 Class II selv. | Transformador para instalación remota 24Vdc 50W / 120-240V IP67 Clase II selv. | Aimer 3 / 4 / 5<br>*F990B28A000 | |  |
| Power supply for remote installation 24Vdc 70W / 220-240V IP67 Class II selv. | Transformador para instalación remota 24Vdc 70W / 220-240V IP67 Clase II selv. | Aimer 3 / 4 / 5<br>*F990B27A000 | |  |

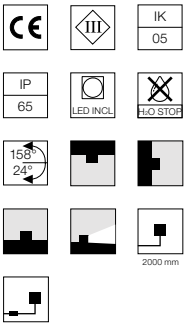
## Aimer RGB: Accessories / Accesorios

| | | | | |
|---|---|---|---|---|
| Visor Aimer 1. | Visor Aimer 1. | Aimer 1 RGB<br>FA5230 | | |
| Visor Aimer 3. | Visor Aimer 3. | Aimer 3 RGB<br>FA5130 | | |
| Ground spike. | Clavo metálico para instalación en suelo. | Aimer 1 / 3 / 4 / 5 RGB<br>FA136 | | |
| DMX controller;<br>dimmer switch for recessed box (60mm hole centres). | Controlador DMX para cajas empotrables. (60 mm distancia entre agujeros). | F990B10A000 | |  |
| DMX controller;<br>stand-alone/PC interface. | Controlador DMX. Interfaz stand/alone PC. | F990B11A000 | |  |
| DMX splitter 512 - electronic device to regenerate the monodirectional DMX signal 1 Input and 7 output, 12-24Vdc. Power supply not included. | DMX splitter 512- dispositivo electrónico para regenerar la señal DMX monodireccional. 1 entrada y 7 salidas , 12-24 Vdc. Fuente de alimentación no incluida. | F990B13A000 | |  |
| DMX cable - shielded twisted pair with 110 Ohm constant impedance. | Cable DMX apantallado con impedancia constante de 110 Ohm. | F990B12A000 | | |

## Aimer RGB: Drivers / Equipos

| | | | | |
|---|---|---|---|---|
| Power supply with DMX interface for RGB fixtures 36W/220÷240v-3CH x 350mA (3CH x 10 x 1W) DMX control allowed IP67 Class I Selv Eq. | Fuente de alimentación con interfaz dmx para luminarias RGB 36w/220÷240v-3ch x 350ma (3ch x 10 x 1w) ajuste previo dmx ip67 Clase I Selv Eq. | *F990B22A000 | |  |




LED source included. Remote electrical power supply 24V dc ON/OFF to be ordered separately. Equipped with a 2000 mm protruding section of neoprene cable and a kit with crimpable connectors and adhesive heat-shrinkable sleeves that guarantee the tightness of the connection. Fixing bracket included. Extraclear transparent glass. The metal nail for ground installation needs to be ordered separately. Dimmable version available upon request.

2200K available on request.

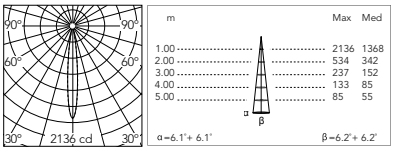
Fuente LED incluida. Fuente de alimentación eléctrica remota 24V dc ON/OFF que se debe pedir por separado. Dotado de una sección de cable de neopreno que sobresale 2000 mm y kit con conectores crimpables y fundas termoretráctiles adhesivas que garantizan la estanqueidad de la conexión. Brida de fijación incluida. Vidrio transparente extraclaro.
Clavo metálico para instalación en suelos que se debe pedir por separado. Versión con intensidad regulable disponible bajo pedido.

2200K disponible bajo pedido.

**Optic Spot 10º**

**Power Led:** 3,4W - 199 lm ≠ OUTPUT 138 lm - 2700K/CRI 80 - 24Vdc / 3,4W - 215 lm ≠ OUTPUT 149 lm - 3000K/CRI 80 - 24Vdc / 3,4W - 224 lm ≠ OUTPUT 155 lm - 4000K/CRI 80 - 24Vdc

| 2700K | 3000K | 4000K |
|---|---|---|
| ○ FA51308001 | ○ FA51300301 | ○ FA51300201 |
| ● FA51308006 | ● FA51300306 | ● FA51300206 |
| ● FA51308012 | ● FA51300312 | ● FA51300212 |
| ● FA51308018 | ● FA51300318 | ● FA51300218 |
| ● FA51308030 | ● FA51300330 | ● FA51300230 |
| ● FA51308033 | ● FA51300333 | ● FA51300233 |

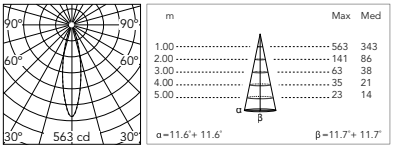



@3000K

**Optic Medium 30º**

**Power Led:** 3,4W - 199 lm ≠ OUTPUT 121 lm - 2700K/CRI 80 - 24Vdc / 3,4W - 215 lm ≠ OUTPUT 131 lm - 3000K/CRI 80 - 24Vdc / 3,4W - 224 lm ≠ OUTPUT 136 lm - 4000K/CRI 80 - 24Vdc

| 2700K | 3000K | 4000K |
|---|---|---|
| ○ FA51308201 | ○ FA51301301 | ○ FA51301201 |
| ● FA51308206 | ● FA51301306 | ● FA51301206 |
| ● FA51308212 | ● FA51301312 | ● FA51301212 |
| ● FA51308218 | ● FA51301318 | ● FA51301218 |
| ● FA51308230 | ● FA51301330 | ● FA51301230 |
| ● FA51308233 | ● FA51301333 | ● FA51301233 |



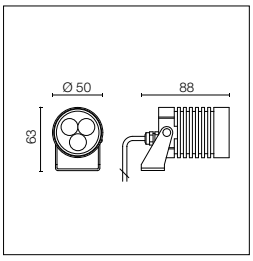

@3000K

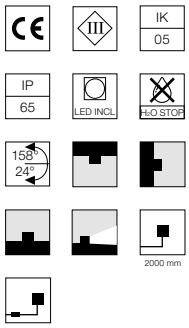
* Maximum number of luminaires per power supply / Número máximo de luminarias por fuente de alimentación.

Maximum number of luminaires per power supply. (220÷240 V). These data must be checked taking into account the specific installation conditions.

Número máximo de luminarias por fuente de alimentación (220÷240 V). Estos datos deben ser comprobados teniendo en cuenta las condiciones específicas de instalación.

| | |
|---|---|
| Acc. RF25754 | 1 |
| Acc. RF25748 | 1 |
| Acc. RF25747 | 2 |
| Acc. RF25757 | 2 |
| Acc. RF25752 | 3 |
| Acc.F990B28A000 | 9 |
| Acc. F990B27A000 | 17 |




LED source included. Remote electrical power supply 24V dc ON/OFF to be ordered separately. Equipped with a 2000 mm protruding section of neoprene cable and a kit with crimpable connectors and adhesive heat-shrinkable sleeves that guarantee the tightness of the connection. Fixing bracket included. Extraclear transparent glass. The metal nail for ground installation needs to be ordered separately. Dimmable version available upon request.

2200K available on request.

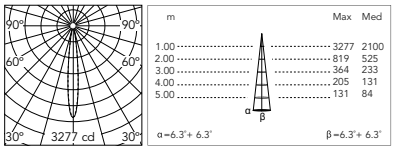
Fuente LED incluida. Fuente de alimentación eléctrica remota 24V dc ON/OFF que se debe pedir por separado. Dotado de una sección de cable de neopreno que sobresale 2000 mm y kit con conectores crimpables y fundas termoretráctiles adhesivas que garantizan la estanqueidad de la conexión. Brida de fijación incluida. Vidrio transparente extraclaro.
Clavo metálico para instalación en suelos que se debe pedir por separado. Versión con intensidad regulable disponible bajo pedido.

2200K disponible bajo pedido.

**Optic Spot 10º**

**Power Led:** 4,5W - 331 lm ≠ OUTPUT 246 lm - 2700K/CRI 80 - 24Vdc / 4,5W - 359 lm ≠ OUTPUT 267 lm - 3000K/CRI 80 - 24Vdc / 4,5W - 373 lm ≠ OUTPUT 277 lm - 4000K/CRI 80 - 24Vdc

| 2700K | 3000K | 4000K |
|---|---|---|
| FA51308401 | FA51302301 | FA51302201 |
| FA51308406 | FA51302306 | FA51302206 |
| FA51308412 | FA51302312 | FA51302212 |
| FA51308418 | FA51302318 | FA51302218 |
| FA51308430 | FA51302330 | FA51302230 |
| FA51308433 | FA51302333 | FA51302233 |

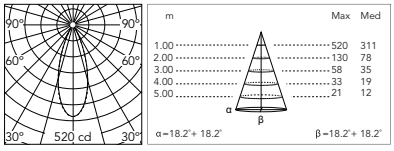



@3000K

**Optic Medium 30º**

**Power Led:** 4,5W - 331 lm ≠ OUTPUT 218 lm - 2700K/CRI 80 - 24Vdc / 4,5W - 359 lm ≠ OUTPUT 236 lm - 3000K/CRI 80 - 24Vdc / 4,5W - 373 lm ≠ OUTPUT 245 lm - 4000K/CRI 80 - 24Vdc

| 2700K | 3000K | 4000K |
|---|---|---|
| FA51308601 | FA51303301 | FA51303201 |
| FA51308606 | FA51303306 | FA51303206 |
| FA51308612 | FA51303312 | FA51303212 |
| FA51308618 | FA51303318 | FA51303218 |
| FA51308630 | FA51303330 | FA51303230 |
| FA51308633 | FA51303333 | FA51303233 |




@3000K

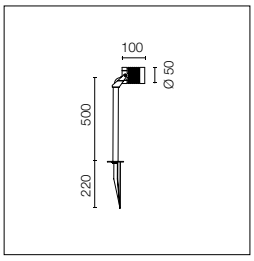
* Maximum number of luminaires per power supply / Número máximo de luminarias por fuente de alimentación.

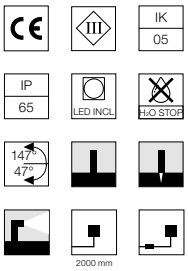
Maximum number of luminaires per power supply. (220÷240 V). These data must be checked taking into account the specific installation conditions.

Número máximo de luminarias por fuente de alimentación (220÷240 V). Estos datos deben ser comprobados teniendo en cuenta las condiciones específicas de instalación.

| | | | |
|---|---|---|---|
| Acc. RF25754 | 1 | Acc. RF25757 | 2 |
| Acc. RF25748 | 1 | Acc.F990B28A000 | 9 |
| Acc. RF25747 | 2 | Acc. F990B27A000 | 17 |

## Aimer 2 Pole 500




LED source included. Remote electrical power supply 24V dc ON/OFF to be ordered separately. Equipped with a 2000 mm protruding section of neoprene cable and a 2-pole and 3-way connection box with H2O STOP system that guarantee the tightness of the connection. Extraclear transparent glass.
Metal nail for ground installation included. Dimmable version available upon request.

2200K available on request.

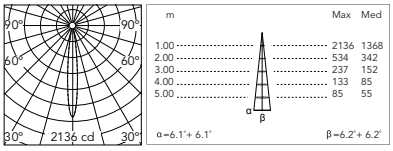
Fuente LED incluida. Fuente de alimentación eléctrica remota 24V dc ON/OFF que se debe pedir por separado. Dotado de una sección de cable de neopreno que sobresale 2000 mm y caja de conexiones a 2 polos y 3 vías con sistema H2O STOP que garantiza la estanqueidad de la conexión. Vidrio transparente extraclaro. Clavo metálico para instalación en suelos incluido.
Versión con intensidad regulable disponible bajo pedido.

2200K disponible bajo pedido.

### Optic Spot 10º

**Power Led:** 3,4W - 199 lm ≠ OUTPUT 138 lm - 2700K/CRI 80 - 24Vdc / 3,4W - 215 lm ≠ OUTPUT 149 lm - 3000K/CRI 80 - 24Vdc / 3,4W - 224 lm ≠ OUTPUT 155 lm - 4000K/CRI 80 - 24Vdc

| 2700K | 3000K | 4000K |
|---|---|---|
| ○ FA51308801 | ○ FA51303601 | ○ FA51303501 |
| ● FA51308806 | ● FA51303606 | ● FA51303506 |
| ● FA51308812 | ● FA51303612 | ● FA51303512 |
| ● FA51308818 | ● FA51303618 | ● FA51303518 |
| ● FA51308830 | ● FA51303630 | ● FA51303530 |
| ● FA51308833 | ● FA51303633 | ● FA51303533 |

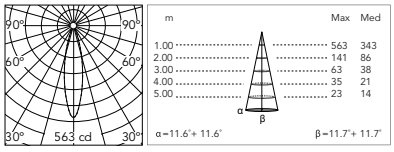



@3000K

### Optic Medium 30º

**Power Led:** 3,4W - 199 lm ≠ OUTPUT 121 lm - 2700K/CRI 80 - 24Vdc / 3,4W - 215 lm ≠ OUTPUT 131 lm - 3000K/CRI 80 - 24Vdc / 3,4W - 224 lm ≠ OUTPUT 136 lm - 4000K/CRI 80 - 24Vdc

| 2700K | 3000K | 4000K |
|---|---|---|
| ○ FA51309001 | ○ FA51303901 | ○ FA51303801 |
| ● FA51309006 | ● FA51303906 | ● FA51303806 |
| ● FA51309012 | ● FA51303912 | ● FA51303812 |
| ● FA51309018 | ● FA51303918 | ● FA51303818 |
| ● FA51309030 | ● FA51303930 | ● FA51303830 |
| ● FA51309033 | ● FA51303933 | ● FA51303833 |



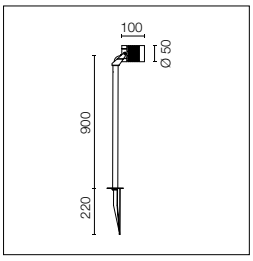

@3000K

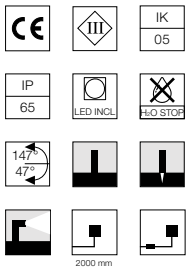
* Maximum number of luminaires per power supply / Número máximo de luminarias por fuente de alimentación.

Maximum number of luminaires per power supply. (220÷240 V). These data must be checked taking into account the specific installation conditions.

Número máximo de luminarias por fuente de alimentación (220÷240 V). Estos datos deben ser comprobados teniendo en cuenta las condiciones específicas de instalación.

| | | | |
|---|---|---|---|
| Acc. RF25754 | 1 | Acc. RF25757 | 2 |
| Acc. RF25748 | 1 | Acc. RF25752 | 3 |
| Acc. FA235 | 1 | Acc. F990B28A000 | 9 |
| Acc. RF25747 | 2 | Acc. F990B27A000 | 17 |




LED source included. Remote electrical power supply 24V dc ON/OFF to be ordered separately. Equipped with a 2000 mm protruding section of neoprene cable and a 2-pole and 3-way connection box with H2O STOP system that guarantee the tightness of the connection. Extraclear transparent glass.
Metal nail for ground installation included. Dimmable version available upon request.

2200K available on request.

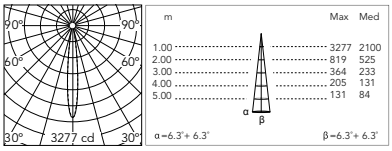
Fuente LED incluida. Fuente de alimentación eléctrica remota 24V dc ON/OFF que se debe pedir por separado. Dotado de una sección de cable de neopreno que sobresale 2000 mm y caja de conexiones a 2 polos y 3 vías con sistema H2O STOP que garantiza la estanqueidad de la conexión. Vidrio transparente extraclaro. Clavo metálico para instalación en suelos incluido.
Versión con intensidad regulable disponible bajo pedido.

2200K disponible bajo pedido.

### Optic Spot 10º

**Power Led:** 3,4W - 199 lm ≠ OUTPUT 138 lm - 2700K/CRI 80 - 24Vdc / 3,4W - 215 lm ≠ OUTPUT 149 lm - 3000K/CRI 80 - 24Vdc / 3,4W - 224 lm ≠ OUTPUT 155 lm - 4000K/CRI 80 - 24Vdc

| 2700K | 3000K | 4000K |
|---|---|---|
| ○ FA51309201 | ○ FA51304801 | ○ FA51304701 |
| ● FA51309206 | ● FA51304806 | ● FA51304706 |
| ● FA51309212 | ● FA51304812 | ● FA51304712 |
| ● FA51309218 | ● FA51304818 | ● FA51304718 |
| ● FA51309230 | ● FA51304830 | ● FA51304730 |
| ● FA51309233 | ● FA51304833 | ● FA51304733 |

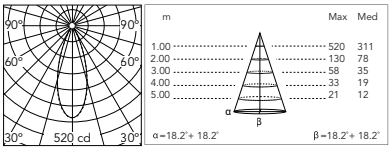



@3000K

### Optic Medium 30º

**Power Led:** 3,4W - 199 lm ≠ OUTPUT 121 lm - 2700K/CRI 80 - 24Vdc / 3,4W - 215 lm ≠ OUTPUT 131 lm - 3000K/CRI 80 - 24Vdc / 3,4W - 224 lm ≠ OUTPUT 136 lm - 4000K/CRI 80 - 24Vdc

| 2700K | 3000K | 4000K |
|---|---|---|
| ○ FA51309401 | ○ FA51305101 | ○ FA51305001 |
| ● FA51309406 | ● FA51305106 | ● FA51305006 |
| ● FA51309412 | ● FA51305112 | ● FA51305012 |
| ● FA51309418 | ● FA51305118 | ● FA51305018 |
| ● FA51309430 | ● FA51305130 | ● FA51305030 |
| ● FA51309433 | ● FA51305133 | ● FA51305033 |




@3000K

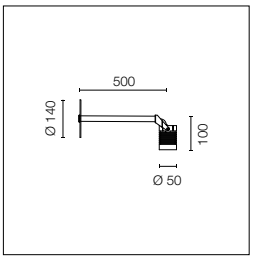
* Maximum number of luminaires per power supply / Número máximo de luminarias por fuente de alimentación.

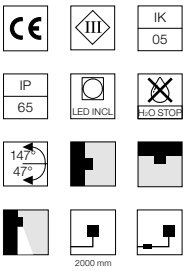
Maximum number of luminaires per power supply. (220÷240 V). These data must be checked taking into account the specific installation conditions.

Número máximo de luminarias por fuente de alimentación (220÷240 V). Estos datos deben ser comprobados teniendo en cuenta las condiciones específicas de instalación.

| | | | |
|---|---|---|---|
| Acc. RF25754 | 1 | Acc. RF25757 | 2 |
| Acc. RF25748 | 1 | Acc. RF25752 | 3 |
| Acc. FA235 | 1 | Acc. F990B28A000 | 9 |
| Acc. RF25747 | 2 | Acc. F990B27A000 | 17 |

## Aimer 2 Wall 500




LED source included. Remote electrical power supply 24V dc ON/OFF to be ordered separately. Equipped with a 2000 mm protruding section of neoprene cable and a 2-pole and 3-way connection box with H2O STOP system that guarantee the tightness of the connection. Extraclear transparent glass.
Metal nail for ground installation included. Dimmable version available upon request.

2200K available on request.

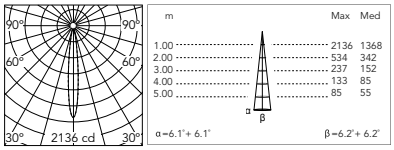
Fuente LED incluida. Fuente de alimentación eléctrica remota 24V dc ON/OFF que se debe pedir por separado. Dotado de una sección de cable de neopreno que sobresale 2000 mm y caja de conexiones a 2 polos y 3 vías con sistema H2O STOP que garantiza la estanqueidad de la conexión. Vidrio transparente extraclaro. Clavo metálico para instalación en suelos incluido.
Versión con intensidad regulable disponible bajo pedido.

2200K disponible bajo pedido.

### Optic Spot 10º

**Power Led:** 3,4W - 199 lm ≠ OUTPUT 138 lm - 2700K/CRI 80 - 24Vdc / 3,4W - 215 lm ≠ OUTPUT 149 lm - 3000K/CRI 80 - 24Vdc / 3,4W - 224 lm ≠ OUTPUT 155 lm - 4000K/CRI 80 - 24Vdc

| 2700K | 3000K | 4000K |
|---|---|---|
| ○ FA51309601 | ○ FA51306001 | ○ FA51305901 |
| ● FA51309606 | ● FA51306006 | ● FA51305906 |
| ● FA51309612 | ● FA51306012 | ● FA51305912 |
| ● FA51309618 | ● FA51306018 | ● FA51305918 |
| ● FA51309630 | ● FA51306030 | ● FA51305930 |
| ● FA51309633 | ● FA51306033 | ● FA51305933 |

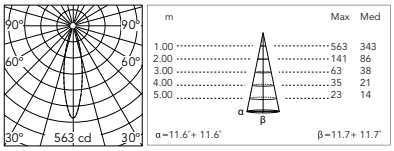



@3000K

### Optic Medium 30º

**Power Led:** 3,4W - 199 lm ≠ OUTPUT 121 lm - 2700K/CRI 80 - 24Vdc / 3,4W - 215 lm ≠ OUTPUT 131 lm - 3000K/CRI 80 - 24Vdc / 3,4W - 224 lm ≠ OUTPUT 136 lm - 4000K/CRI 80 - 24Vdc

| 2700K | 3000K | 4000K |
|---|---|---|
| ○ FA51309801 | ○ FA51306301 | ○ FA51306201 |
| ● FA51309806 | ● FA51306306 | ● FA51306206 |
| ● FA51309812 | ● FA51306312 | ● FA51306212 |
| ● FA51309818 | ● FA51306318 | ● FA51306218 |
| ● FA51309830 | ● FA51306330 | ● FA51306230 |
| ● FA51309833 | ● FA51306333 | ● FA51306233 |



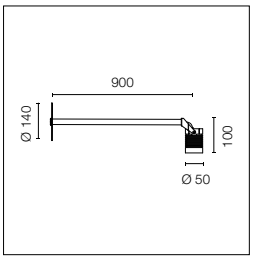

@3000K

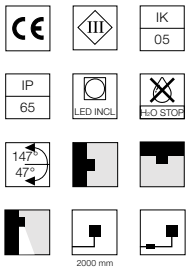
* Maximum number of luminaires per power supply / Número máximo de luminarias por fuente de alimentación.

Maximum number of luminaires per power supply. (220÷240 V). These data must be checked taking into account the specific installation conditions.

Número máximo de luminarias por fuente de alimentación (220÷240 V). Estos datos deben ser comprobados teniendo en cuenta las condiciones específicas de instalación.

| | | | |
|---|---|---|---|
| Acc. RF25754 | 1 | Acc. F990B28A000 | 9 |
| Acc. RF25748 | 1 | Acc. F990B27A000 | 17 |
| Acc. RF25752 | 3 | | |




LED source included. Remote electrical power supply 24V dc ON/OFF to be ordered separately. Equipped with a 2000 mm protruding section of neoprene cable and a 2-pole and 3-way connection box with H2O STOP system that guarantee the tightness of the connection. Extraclear transparent glass.
Metal nail for ground installation included. Dimmable version available upon request.

2200K available on request.

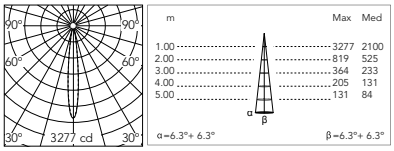
Fuente LED incluida. Fuente de alimentación eléctrica remota 24V dc ON/OFF que se debe pedir por separado. Dotado de una sección de cable de neopreno que sobresale 2000 mm y caja de conexiones a 2 polos y 3 vías con sistema H2O STOP que garantiza la estanqueidad de la conexión. Vidrio transparente extraclaro. Clavo metálico para instalación en suelos incluido.
Versión con intensidad regulable disponible bajo pedido.

2200K disponible bajo pedido.

**Optic Spot 10º**

**Power Led:** 3,4W - 199 lm ≠ OUTPUT 138 lm - 2700K/CRI 80 - 24Vdc / 3,4W - 215 lm ≠ OUTPUT 149 lm - 3000K/CRI 80 - 24Vdc / 3,4W - 224 lm ≠ OUTPUT 155 lm - 4000K/CRI 80 - 24Vdc

| 2700K | 3000K | 4000K |
|---|---|---|
| ○ FA51310001 | ○ FA51306601 | ○ FA51306501 |
| ● FA51310006 | ● FA51306606 | ● FA51306506 |
| ● FA51310012 | ● FA51306612 | ● FA51306512 |
| ● FA51310018 | ● FA51306618 | ● FA51306518 |
| ● FA51310030 | ● FA51306630 | ● FA51306530 |
| ● FA51310033 | ● FA51306633 | ● FA51306533 |

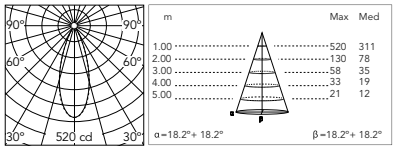



@3000K

**Optic Medium 30º**

**Power Led:** 3,4W - 199 lm ≠ OUTPUT 121 lm - 2700K/CRI 80 - 24Vdc / 3,4W - 215 lm ≠ OUTPUT 131 lm - 3000K/CRI 80 - 24Vdc / 3,4W - 224 lm ≠ OUTPUT 136 lm - 4000K/CRI 80 - 24Vdc

| 2700K | 3000K | 4000K |
|---|---|---|
| ○ FA51310201 | ○ FA51306901 | ○ FA51306801 |
| ● FA51310206 | ● FA51306906 | ● FA51306806 |
| ● FA51310212 | ● FA51306912 | ● FA51306812 |
| ● FA51310218 | ● FA51306918 | ● FA51306818 |
| ● FA51310230 | ● FA51306930 | ● FA51306830 |
| ● FA51310233 | ● FA51306933 | ● FA51306833 |




@3000K

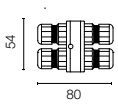
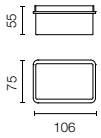
* Maximum number of luminaires per power supply / Número máximo de luminarias por fuente de alimentación.

Maximum number of luminaires per power supply. (220÷240 V). These data must be checked taking into account the specific installation conditions.

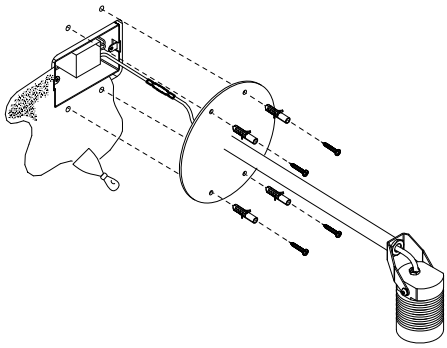
Número máximo de luminarias por fuente de alimentación (220÷240 V). Estos datos deben ser comprobados teniendo en cuenta las condiciones específicas de instalación.

| | | | |
|---|---|---|---|
| Acc. RF25754 | 1 | Acc. F990B28A000 | 9 |
| Acc. RF25748 | 1 | Acc. F990B27A000 | 17 |
| Acc. RF25752 | 3 | | |

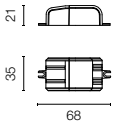
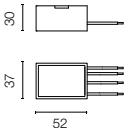
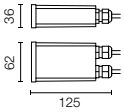
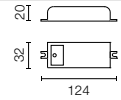
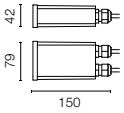
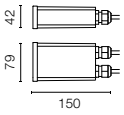
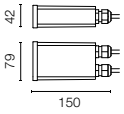
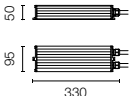
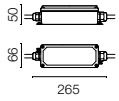
## Aimer 2: Accessories / Accesorios

| | | | | |
|---|---|---|---|---|
| Ground spike. | Clavo metálico para instalación en suelo. | **Spot / Pole**<br>FA136 | | |
| 3/4 way terminal block 4 poles IP68 H2O Stop. (ø5,5÷12mm cable). | Bloque de terminales IP68 H2O Stop anticondensación con 3/4 vías y 4 polos. (Cable ø5,5÷12 mm). | **Pole**<br>F990C010000 | |  |
| Recessed 3-module junction box (model 503) | Caja de conexiones para empotrar 3 módulos (modelo 503) | **Wall**<br>F990H010000 | |  |

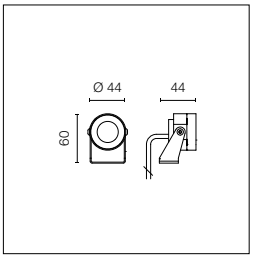
**Aimer 2 Wall Bracket with box cod. F990H010000**

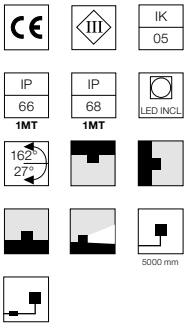


## Aimer 2: Drivers / Equipos

| | | | | |
|---|---|---|---|---|
| Power supply dual function Vout 24Vdc: 8W/100÷240V Iout 350ma: 6x1W/100÷240V IP20 Class II Selv Eq. | Fuente de alimentación con función dual Vout 24Vdc: 8W/100÷240V Iout 350ma: 6x1W/100÷240V IP20 Clase II Selv Eq. | *RF25754 | |   |
| Power supply 24V 8W / 110-240V IP65 Class II selv. | Transformador 24V 8W / 110-240V IP65 Clase II selv. | *RF25748 | |   |
| Power supply 8W/110÷240V - 24Vdc IP67 Class II selv. Eq. | Transformador 8W/110÷240V - 24Vdc IP67 Clase II selv.Eq. | **Pole** *FA235 | |   |
| Power supply 24V 10W /110-240V IP20 Class II selv. | Transformador 24V 10W / 110-240V IP20 Clase II selv. | **Spot / Pole** *RF25747 | |   |
| Power supply 24V 10W / 110-240V IP67 Class II selv. | Transformador 24V 10W / 110-240V IP67 Clase II selv. | **Spot / Pole** *RF25757 | |   |
| Power supply for remote installation 24Vdc 20W / 220-240V IP67 Class II selv. | Transformador para instalación remota 24Vdc 20W / 220-240V IP67 Clase II selv. | **Pole / Wall** *RF25752 | |   |
| Power supply 24Vdc 35W / 120-270V IP67 Class II selv. | Fuente de alimentación 24Vdc 35W / 120-270V IP67 Clase II selv. | F990B23AZ00 | |   |
| Power supply for remote installation 24Vdc 50W / 120-240V IP67 Class II selv. | Transformador para instalación remota 24Vdc 50W / 120-240V IP67 Clase II selv. | *F990B28A000 | |   |
| Power supply for remote installation 24Vdc 70W / 220-240V IP67 Class II selv. | Transformador para instalación remota 24Vdc 70W / 220-240V IP67 Clase II selv. | *F990B27A000 | |   |

## Aimer 1 Aqua




LED source. 316L stainless steel body and bracket, suitable for submersion. Remote power supply 350 mA ON/OFF and dimmable 1-10V or DALI. Must be ordered separately. Serial connection. Equipped with a 5000 mm protruding section of neoprene cable and a kit with crimpable connectors and adhesive heat-shrinkable sleeves that guarantee the tightness of the connection. Extraclear transparent glass. The metal nail for ground installation needs to be ordered separately. 2700K and 3000K models available upon request.

2200K available on request.

Fuente LED. Cuerpo y brida de acero inoxidable 316L, aptos para la inmersión. Fuente de alimentación eléctrica remota 350 mA ON/OFF e intensidad regulable entre 1 y 10V o DALI que se debe pedir por separado. Conexión en serie. Dotado de una sección de cable de neopreno que sobresale 5000 mm y kit con conectores crimpables y fundas termoretráctiles adhesivas que garantizan la estanqueidad de la conexión. Vidrio transparente extraclaro. Clavo metálico para instalación en suelos que se debe pedir por separado. Modelos 2700K y 3000K disponibles bajo pedido.

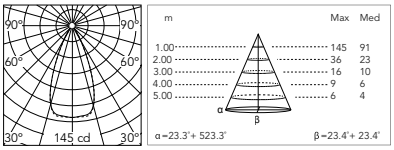
2200K disponible bajo pedido.

**Optic Medium 30º**

**Power Led:** 1,1W - LED 120 lm ≠ OUTPUT 99 lm - 3000K/CRI 80 - 350 mA / 1,1W - 124 lm ≠ OUTPUT 103 lm - 4000K/CRI 80 - 350 mA

**3000K**
- FA10517114557.A

**4000K**
- FA10517114357.A




@ 4000K

* Maximum number of luminaires per power supply / Número máximo de luminarias por fuente de alimentación.

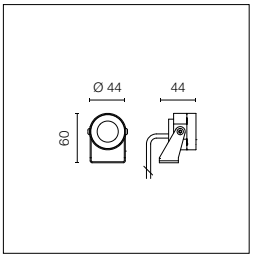
Maximum number of luminaires per power supply. (220÷240 V). These data must be checked taking into account the specific installation conditions.

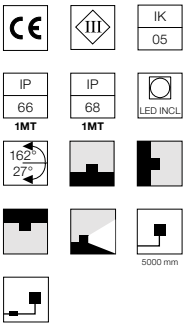
Número máximo de luminarias por fuente de alimentación (220÷240 V). Estos datos deben ser comprobados teniendo en cuenta las condiciones específicas de instalación.

| | |
|---|---|
| Acc. RF25748 | 6 |
| Acc. FA184 | **16 |
| Acc. FA238.A | **9 |

**La tensión en los extremos del sistema depende del número de luminarias conectadas en serie, atenerse a la normativa CEI 64-8.

## Aimer 1 Aqua RGB




RGB LED source included. 316L stainless steel body and bracket, suitable for submersion. Remote electrical power supply with DMX 3CHx350mA interface to be ordered separately. Serial connection. Equipped with a 5000 mm protruding section of neoprene cable and a kit with crimpable connectors and adhesive heat-shrinkable sleeves that guarantee the tightness of the connection. Sandblasted screen-printed glass. Fixing bracket included. The metal nail for ground installation needs to be ordered separately.

**Wiring diagram and installation scheme RGB.**

Max 10 luminaires Aimer 1 Aqua RGB for each code F990B22A000.

See Wiring Diagram n.5 Page 878.

Fuente LED RGB incluida. Cuerpo y brida de acero inoxidable 316L, aptos para la inmersión. Fuente de alimentación eléctrica remota con interfaz DMX 3CHx350mA que se debe pedir por separado. Conexión en serie. Dotado de una sección de cable de neopreno que sobresale 5000 mm y kit con conectores crimpables y fundas termoretráctiles adhesivas que garantizan la estanqueidad de la conexión. Brida de fijación incluida. Vidrio serigrafiado arenado. Clavo metálico para instalación en suelos que se debe pedir por separado.

**Esquema eléctrico e instalación sistema RGB.**

Máximo 10 luminaires Aimer 1 Aqua RGB para cada código F990B22A000.

Ver Esquema Eléctrico n.5 Página 878.

**RGB Power Led:** 3,4W - 3CH x 350mA

**RGB**
- FA10517314357.A

Photometric data on request.

* Maximum number of luminaires per power supply / Número máximo de luminarias por fuente de alimentación.

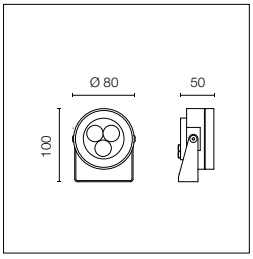
Maximum number of luminaires per power supply. (220÷240 V). These data must be checked taking into account the specific installation conditions.

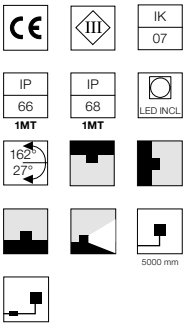
Número máximo de luminarias por fuente de alimentación (220÷240 V). Estos datos deben ser comprobados teniendo en cuenta las condiciones específicas de instalación.

Acc. F990B22A000 **10

**La tensión en los extremos del sistema depende del número de luminarias conectadas en serie, atenerse a la normativa CEI 64-8.

## Aimer 3 Aqua




LED source included. 316L stainless steel body and bracket, suitable for submersion. Remote electrical power supply 24V dc ON/OFF to be ordered separately. Parallel connection. Equipped with a 5000 mm protruding section of neoprene cable and a kit with crimpable connectors and adhesive heat-shrinkable sleeves that guarantee the tightness of the connection. Fixing bracket included. Extraclear transparent glass. The metal nail for ground installation needs to be ordered separately. 2700K and 3000K models available upon request.

2200K available on request.

Fuente LED incluida. Cuerpo y brida de acero inoxidable 316L, aptos para la inmersión. Fuente de alimentación eléctrica remota 24V dc ON/OFF que se debe pedir por separado. Conexión en paralelo. Dotado de una sección de cable de neopreno que sobresale 5000 mm y kit con conectores crimpables y fundas termoretráctiles adhesivas que garantizan la estanqueidad de la conexión. Brida de fijación incluida. Vidrio transparente extraclaro. Clavo metálico para instalación en suelos que se debe pedir por separado.Modelos 2700K y 3000K disponibles bajo pedido.

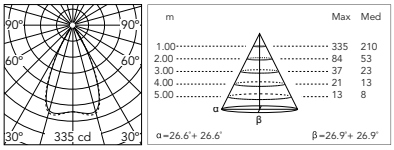
2200K disponible bajo pedido.

**Optic Medium 50º**

**Power Led:** 3,3W - 359 lm ≠ OUTPUT 267 lm - 3000K/CRI 80 - 24Vdc / 3,3W - 373 lm ≠ OUTPUT 278 lm - 4000K/CRI 80 - 24Vdc

**3000K**
- FA10517214657

**4000K**
- FA10517214457

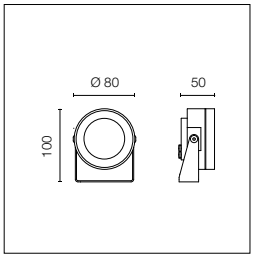


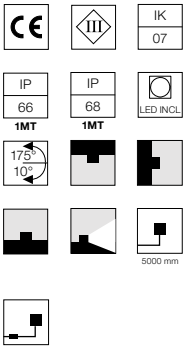

@ 4000K

* Maximum number of luminaires per power supply / Número máximo de luminarias por fuente de alimentación.

| | | | | | |
|---|---|---|---|---|---|
| Maximum number of luminaires per power supply. (220÷240 V). These data must be checked taking into account the specific installation conditions. | Número máximo de luminarias por fuente de alimentación (220÷240 V). Estos datos deben ser comprobados teniendo en cuenta las condiciones específicas de instalación. | Acc. RF25748 | 1 | Acc. F990B28A000 | 7 |
| | | Acc. RF25757 | 2 | Acc. F990B27A000 | 14 |
| | | Acc. RF25752 | 3 | | |

## Aimer 3 Aqua RGB




RGB LED source included. 316L stainless steel body and bracket, suitable for submersion. Remote electrical power supply with DMX 3CHx350mA interface to be ordered separately. Serial connection. Equipped with a 5000 mm protruding section of neoprene cable and a kit with crimpable connectors and adhesive heat-shrinkable sleeves that guarantee the tightness of the connection. Transparent screen-printed glass. Fixing bracket included. The metal nail for ground installation needs to be ordered separately.

**Wiring diagram and installation scheme RGB.**

Max 10 luminaires Aimer 3 Aqua RGB for each code F990B22A000.

See Wiring Diagram n.5 Page 878.

Fuente LED RGB incluida. Cuerpo y brida de acero inoxidable 316L, aptos para la inmersión. Fuente de alimentación eléctrica remota con interfaz DMX 3CHx350mA que se debe pedir por separado. Conexión en serie. Dotado de una sección de cable de neopreno que sobresale 5000 mm y kit con conectores crimpables y fundas termoretráctiles adhesivas que garantizan la estanqueidad de la conexión. Brida de fijación incluida. Vidrio transparente serigrafiado. Clavo metálico para instalación en suelos que se debe pedir por separado.

**Esquema eléctrico e instalación sistema RGB.**

Máximo 10 luminaires Aimer 3 Aqua RGB para cada código F990B22A000.

Ver Esquema Eléctrico n.5 Página 878.

**Optic Medium 35º**

**RGB Power Led:** 3,4W - 3CH x 350mA

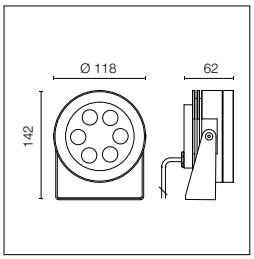
**RGB**
- FA10517414457

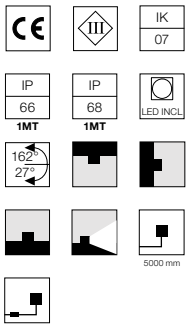
Photometric data on request.

* Maximum number of luminaires per power supply / Número máximo de luminarias por fuente de alimentación.

| | | | | |
|---|---|---|---|---|
| Maximum number of luminaires per power supply. (220÷240 V). These data must be checked taking into account the specific installation conditions. | Número máximo de luminarias por fuente de alimentación (220÷240 V). Estos datos deben ser comprobados teniendo en cuenta las condiciones específicas de instalación. | Acc. F990B22A000 | **10 | **La tensión en los extremos del sistema depende del número de luminarias conectadas en serie, atenerse a la normativa CEI 64-8. |

## Aimer 4 Aqua




LED source included. 316L stainless steel body and bracket, suitable for submersion. Remote electrical power supply 24V dc ON/OFF to be ordered separately. Parallel connection. Equipped with a 5000 mm protruding section of neoprene cable and a kit with crimpable connectors and adhesive heat-shrinkable sleeves that guarantee the tightness of the connection. Fixing bracket included. Extraclear transparent glass. The metal nail for ground installation needs to be ordered separately. 2700K and 3000K models available upon request.

2200K available on request.

Fuente LED incluida. Cuerpo y brida de acero inoxidable 316L, aptos para la inmersión. Fuente de alimentación eléctrica remota 24V dc ON/OFF que se debe pedir por separado. Conexión en paralelo. Dotado de una sección de cable de neopreno que sobresale 5000 mm y kit con conectores crimpables y fundas termoretráctiles adhesivas que garantizan la estanqueidad de la conexión. Brida de fijación incluida. Vidrio transparente extraclaro. Clavo metálico para instalación en suelos que se debe pedir por separado.Modelos 2700K y 3000K disponibles bajo pedido.

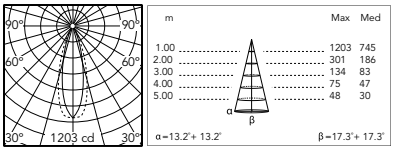
2200K disponible bajo pedido.

**Optic Medium 26º**

**Power Led:** 8W - 646 lm ≠ OUTPUT 409 lm - 3000K/CRI 80 - 24Vdc / 8W - 687 lm ≠ OUTPUT 435 lm - 4000K/CRI 80 - 24Vdc

**3000K**
- FA10526614757

**4000K**
- FA10526614557




@ 4000K

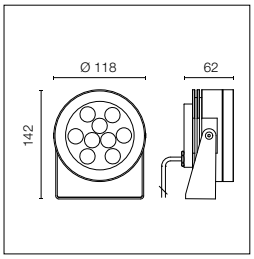
* Maximum number of luminaires per power supply / Número máximo de luminarias por fuente de alimentación.

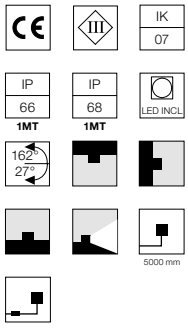
Maximum number of luminaires per power supply. (220÷240 V). These data must be checked taking into account the specific installation conditions.

Número máximo de luminarias por fuente de alimentación (220÷240 V). Estos datos deben ser comprobados teniendo en cuenta las condiciones específicas de instalación.

| | |
|---|---|
| Acc. F990B28A000 | 3 |
| Acc. F990B27A000 | 6 |

## Aimer 5 Aqua




LED source included. 316L stainless steel body and bracket, suitable for submersion. Remote electrical power supply 24V dc ON/OFF to be ordered separately. Parallel connection. Equipped with a 5000 mm protruding section of neoprene cable and a kit with crimpable connectors and adhesive heat-shrinkable sleeves that guarantee the tightness of the connection. Fixing bracket included. Extraclear transparent glass. The metal nail for ground installation needs to be ordered separately. 2700K and 3000K models available upon request.

2200K available on request.

Fuente LED incluida. Cuerpo y brida de acero inoxidable 316L, aptos para la inmersión. Fuente de alimentación eléctrica remota 24V dc ON/OFF que se debe pedir por separado. Conexión en paralelo. Dotado de una sección de cable de neopreno que sobresale 5000 mm y kit con conectores crimpables y fundas termoretráctiles adhesivas que garantizan la estanqueidad de la conexión. Brida de fijación incluida. Vidrio transparente extraclaro. Clavo metálico para instalación en suelos que se debe pedir por separado.Modelos 2700K y 3000K disponibles bajo pedido.

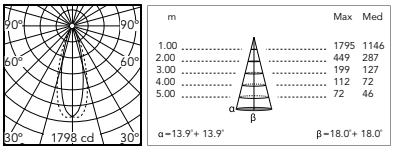
2200K disponible bajo pedido.

**Optic Medium 28º**

**Power Led:** 11W - 969 lm ≠ OUTPUT 680 lm - 3000K/CRI 80 - 24Vdc / 11W - 1031 lm ≠ OUTPUT 723 lm - 4000K/CRI 80 - 24Vdc

**3000K**
- FA10521114757

**4000K**
- FA10521114557



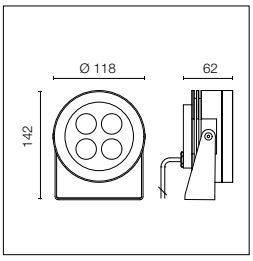

@ 4000K

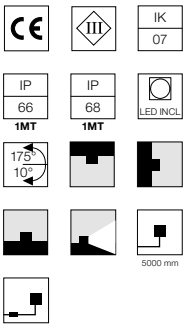
* Maximum number of luminaires per power supply / Número máximo de luminarias por fuente de alimentación.

Maximum number of luminaires per power supply. (220÷240 V). These data must be checked taking into account the specific installation conditions.

Número máximo de luminarias por fuente de alimentación (220÷240 V). Estos datos deben ser comprobados teniendo en cuenta las condiciones específicas de instalación.

| | |
|---|---|
| Acc. F990B28A000 | 3 |
| Acc. F990B27A000 | 7 |
| Acc. FA184 | 1 |




RGB LED source included. 316L stainless steel body and bracket, suitable for submersion. Remote electrical power supply with DMX 3CHx350mA interface to be ordered separately. Serial connection. Equipped with a 5000 mm protruding section of neoprene cable and a kit with crimpable connectors and adhesive heat-shrinkable sleeves that guarantee the tightness of the connection. Transparent screen-printed glass. Fixing bracket included. The metal nail for ground installation needs to be ordered separately.

Fuente LED RGB incluida. Cuerpo y brida de acero inoxidable 316L, aptos para la inmersión. Fuente de alimentación eléctrica remota con interfaz DMX 3CHx350mA que se debe pedir por separado. Conexión en serie. Dotado de una sección de cable de neopreno que sobresale 5000 mm y kit con conectores crimpables y fundas termoretráctiles adhesivas que garantizan la estanqueidad de la conexión. Brida de fijación incluida. Vidrio transparente serigrafiado.
Clavo metálico para instalación en suelos que se debe pedir por separado.

**Wiring diagram and installation scheme RGB.**

Max 2 luminaires Aimer 5 Aqua RGB for each code F990B22A000.

See Wiring Diagram n.5 Page 878.

**Esquema eléctrico e instalación sistema RGB.**

Máximo 2 luminaires Aimer 5 Aqua RGB para cada código F990B22A000.

Ver Esquema Eléctrico n.5 Página 878.

**Optic Medium 50º**

**RGB Power Led:** 13,6W - 3CH x 350mA

**RGB**

FA10525614557

Photometric data on request.

* Maximum number of luminaires per power supply / Número máximo de luminarias por fuente de alimentación.

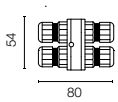
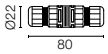
Maximum number of luminaires per power supply. (220÷240 V). These data must be checked taking into account the specific installation conditions.

Número máximo de luminarias por fuente de alimentación (220÷240 V). Estos datos deben ser comprobados teniendo en cuenta las condiciones específicas de instalación.

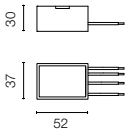
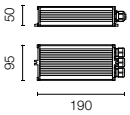
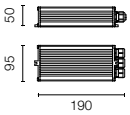
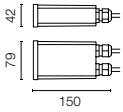
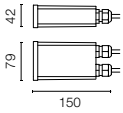
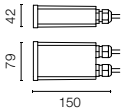
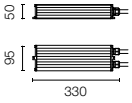
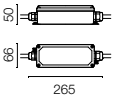
Acc. *F990B22A000 **2

**La tensión en los extremos del sistema depende del número de luminarias conectadas en serie, atenerse a la normativa CEI 64-8.

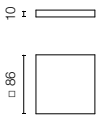
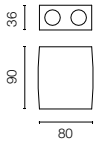
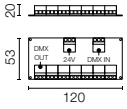
## Aimer Aqua: Accessories / Accesorios

| | | | | |
|---|---|---|---|---|
| Ground spike. | Clavo metálico para instalación en suelo. | Aqua Aimer 1 / 3 / 4 / 5<br>FA136 | | |
| 3/4 way terminal block 4 poles IP68 H2O Stop. (ø5,5÷12mm cable). | Bloque de terminales IP68 H2O Stop anticondensación con 3/4 vías y 4 polos. (Cable ø5,5÷12 mm). | Aqua Aimer 3 / 4 / 5<br>F990C010000 | |  |
| 2 way terminal block 4 poles IP68 H2O Stop. (ø5,5÷12mm cable). | Bloque de terminales IP68 H2O Stop anticondensación con 2 vías y 4 polos. (Cable ø5,5÷12 mm). | Aqua Aimer 3 / 4 / 5<br>F990C00A000 | |  |

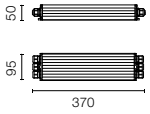
## Aimer Aqua: Drivers / Equipos

| | | | | |
|---|---|---|---|---|
| Power supply 24V 8W / 110-240V IP65 Class II selv. | Transformador 24V 8W / 110-240V IP65 Clase II selv. | Aqua Aimer 1 / 3<br>*RF25748 | |  |
| Power supply 16 x 1W/ 110÷240V - Iout 350mA (12x1W@110V) IP67 Class II Selv. | Fuente de alimentaición 16 x 1W/ 110÷240V - Iout 350mA (12x1W@110V) IP67 Clase II Selv Eq. | Aqua Aimer 1 / 5<br>*FA184<br>Dimmable Push-Dim Or 1-10V<br>See Wiring Diagram n.3.Page 876 | |  |
| Power supply 18W/ 110÷240V - Iout 350mA (15W@110V) IP67 Class II Selv. C. | Fuente de alimentaición 18W/ 110÷240V - Iout 350mA (15W@110V) IP67Clase II Selv C | Aqua Aimer 1 / 3<br>*FA238.A<br>Dimmable DALI<br>See Wiring Diagram n.3.Page 876 | |  |
| Power supply 24V 10W / 110-240V IP67 Class II selv. | Transformador 24V 10W / 110-240V IP67 Clase II selv. | Aqua Aimer 3 / 4 / 5<br>*RF25757 | |  |
| Power supply for remote installation 24Vdc 20W / 220-240V IP67 Class II selv. | Transformador para instalación remota 24Vdc 20W / 220-240V IP67 Clase II selv. | Aqua Aimer 3 / 4 / 5<br>*RF25752 | |  |
| Power supply 24Vdc 35W / 120-270V IP67 Class II selv. | Fuente de alimentación 24Vdc 35W / 120-270V IP67 Clase II selv. | F990B23AZ00 | |  |
| Power supply for remote installation 24Vdc 50W / 120-240V IP67 Class II selv. | Transformador para instalación remota 24Vdc 50W / 120-240V IP67 Clase II selv. | Aqua Aimer 3 / 4 / 5<br>*F990B28A000 | |  |
| Power supply for remote installation 24Vdc 70W / 220-240V IP67 Class II selv. | Transformador para instalación remota 24Vdc 70W / 220-240V IP67 Clase II selv. | Aqua Aimer 3 / 4 / 5<br>*F990B27A000 | |  |

## Aimer Aqua RGB: Accessories / Accesorios

| | | | | |
|---|---|---|---|---|
| Ground spike. | Clavo metálico para instalación en suelo. | Aqua Aimer 1 / 3 / 4 / 5 RGB<br>FA136 | | |
| DMX controller;<br>dimmer switch for recessed box (60mm hole centres). | Controlador DMX para cajas empotrables. (60 mm distancia entre agujeros). | F990B10A000 | |  |
| DMX controller;<br>stand-alone/PC interface. | Controlador DMX. Interfaz stand/alone PC. | F990B11A000 | |  |
| DMX splitter 512 - electronic device to regenerate the monodirectional DMX signal 1 Input and 7 output, 12-24Vdc. Power supply not included. | DMX splitter 512- dispositivo electrónico para regenerar la señal DMX monodireccional. 1 entrada y 7 salidas , 12-24 Vdc. Fuente de alimentación no incluida. | F990B13A000 | |  |
| DMX cable - shielded twisted pair with 110 Ohm constant impedance. | Cable DMX apantallado con impedancia constante de 110 Ohm. | F990B12A000 | | |

## Aimer Aqua RGB: Drivers / Equipos

| | | | | |
|---|---|---|---|---|
| Power supply with DMX interface for RGB fixtures 36W/220÷240v-3CH x 350mA (3CH x 10 x 1W) DMX control allowed IP67 Class I Selv Eq. | Fuente de alimentación con interfaz dmx para luminarias RGB 36w/220÷240v-3ch x 350ma (3ch x 10 x 1w) ajuste previo dmx ip67 Clase I Selv Eq. | *F990B22A000 | |  |

## Franco

Franco

## Family / Familia

Franco 1

**CoB Led**
up to 24W
up to 1920 lm - 2700K/CRI 80
up to 2065 lm - 3000K/CRI 80
up to 2166 lm - 4000K/CRI 80

**Power Led**
up to 20W
up to 1506 lm - 2700K/CRI 80
up to 1619 lm - 3000K/CRI 80
up to 1698 lm - 4000K/CRI 80

2200K available on request.

Franco 2

**CoB Led**
up to 43W
up to 3143 lm - 2700K/CRI 80
up to 3380 lm - 3000K/CRI 80
up to 3465 lm - 4000K/CRI 80

Franco 3

**CoB Led**
up to 52W
up to 3757 lm - 2700K/CRI 80
up to 4040 lm - 3000K/CRI 80
up to 4142 lm - 4000K/CRI 80

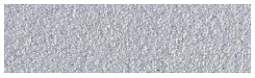
**Power Led**
up to 43W
up to 3676 lm - 2700K/CRI 80
up to 3939 lm - 3000K/CRI 80
up to 4070 lm - 4000K/CRI 80

2200K available on request.

## Colours / Colores



01 White



06 Grey

12 Forest Green

18 Deep Brown

30 Black

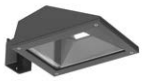
33 Anthracite

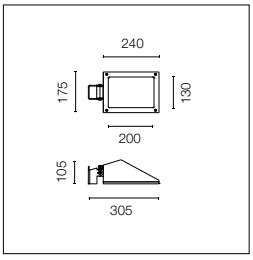
## Description / Descripción

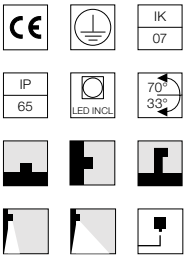
Family of tiltable projection luminaires with LED source for wall and post mounting. Available in three dimensions and with different light beams for every dimension, including optics for urban uses. Die cast aluminum body EN AB-47100 (with low copper content) and super pure aluminum reflector. Extraclear glass diffuser with silkscreen edge, attached to the frame with a robotic gluing system. Available in different finishes, with double-layered powder coating and chemical conversion surface treatment to ensure high corrosion resistance. AISI 316L stainless steel fixing bracket, graduated to guarantee precision in the adjustment of the emission unit and a tilting of approx. 120º on the vertical axis. Completed with a metal cable guide. To ensure the tightness of the cable guide it's recommended to use flexible electric cables suitable for exterior use. Completed with a series of cylinder posts in different diameters and heights that can be ground recessed or fixed with an anchor plate and lag screws. The MiniFranco version is equipped with a protruding arm for wall mounting and sign lighting.

Familia de luminarias de proyección orientable con fuente LED, diseñadas para la instalación en pared y con soporte mástil. Disponibles en tres dimensiones y con diferentes haces luminosos para cada dimensión, incluyendo las ópticas para uso en contextos urbanos. Cuerpo de aluminio fundido a presión EN AB-47100 (con bajo contenido en cobre) y reflector de aluminio superpuro. Difusor de vidrio extraclaro con borde serigrafiado, fijado al marco mediante un sistema de encolado robótico. Disponibles en diferentes acabados, con recubrimiento de polvo de doble capa y tratamiento superficial de conversión química para garantizar una elevada resistencia ante la corrosión. Brida de fijación de acero inoxidable AISI 316L, graduada para garantizar una regulación precisa de la unidad emisora y una orientación de aproximadamente 120º sobre el eje vertical. Se completan con un pasacable de metal. Para garantizar la estanqueidad del pasacable se aconseja usar cables eléctricos flexibles y específicos para exteriores. Se completan con toda una serie de postes cilíndricos de diferentes diámetros y alturas, que se pueden empotrar en el suelo o fijar mediante plaqueta de anclaje y tirafondos. La versión MiniFranco está dotada con un brazo saliente para fijación a pared e iluminación saliente de rótulos.

## Franco 1 CoB Led





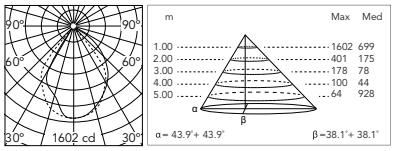

LED source included. Integrated electrical power supply 220-240V ON/OFF. Fixing bracket included. Equipped with a M16x1.5 cable guide (for 4.5mm<ø<10mm cables) and IP68 connector. To ensure the tightness of the cable guide it's recommended to use flexible electric cables suitable for exterior use. Optional accessories: posts; mounts and arms to install as a mast; protruding arm for wall mounting.

Fuente LED incluida. Fuente de alimentación eléctrica 220-240V ON/OFF integrada. Brida de fijación incluida. Dotada de pasacable de metal M16x1,5 (para cables 4,5mm<ø<10mm) y conector IP68. Para garantizar la estanqueidad del pasacable se aconseja usar cables eléctricos flexibles y específicos para exteriores. Accesorios opcionales: postes; soportes y brazos para instalación como mástil; brazo saliente de pared.

### Symmetric Optic

**CoB Led:** 24W - 2856 lm ≠ OUTPUT 1920 lm - 2700K/CRI 80 - 220-240V / 24W - 3071 lm ≠ OUTPUT 2065 lm - 3000K/CRI 80 - 220-240V / 24W - 3221 lm ≠ OUTPUT 2166 lm - 4000K/CRI 80 - 220-240V

| 2700K | 3000K | 4000K |
|---|---|---|
| ○ FA162812301.A | ○ FA162811301.A | ○ FA162801301.A |
| ● FA162812306.A | ● FA162811306.A | ● FA162801306.A |
| ● FA162812312.A | ● FA162811312.A | ● FA162801312.A |
| ● FA162812318.A | ● FA162811318.A | ● FA162801318.A |
| ● FA162812330.A | ● FA162811330.A | ● FA162801330.A |
| ● FA162812333.A | ● FA162811333.A | ● FA162801333.A |

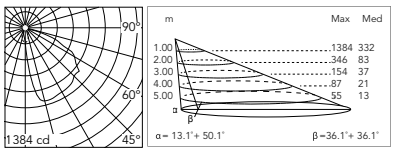



@ 3000K

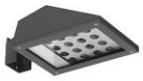
### Asymmetric Optic

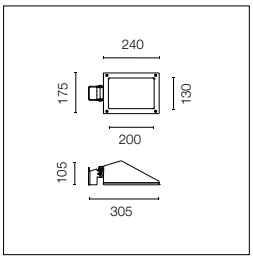
**CoB Led:** 24W - 2856 lm ≠ OUTPUT 1506 lm - 2700K/CRI 80 - 220-240V / 24W - 3071 lm ≠ OUTPUT 1619 lm - 3000K/CRI 80 - 220-240V / 24W - 3221 lm ≠ OUTPUT 1698 lm - 4000K/CRI 80 - 220-240V

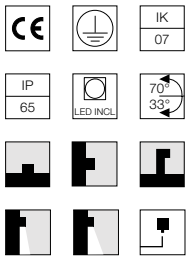
| 2700K | 3000K | 4000K |
|---|---|---|
| ○ FA162812401.A | ○ FA162811401.A | ○ FA162801401.A |
| ● FA162812406.A | ● FA162811406.A | ● FA162801406.A |
| ● FA162812412.A | ● FA162811412.A | ● FA162801412.A |
| ● FA162812418.A | ● FA162811418.A | ● FA162801418.A |
| ● FA162812430.A | ● FA162811430.A | ● FA162801430.A |
| ● FA162812433.A | ● FA162811433.A | ● FA162801433.A |




@ 3000K






LED source included. Integrated electrical power supply 220-240V ON- OFF. Fixing bracket included. Equipped with a M16x1.5 cable guide (for 4.5mm<ø<10mm cables) and IP68 connector. To ensure the tightness of the cable guide it's recommended to use flexible electric cables suitable for exterior use. Optional accessories: posts; mounts and arms to install as a mast; protruding arm for wall mounting.

2200K available on request.

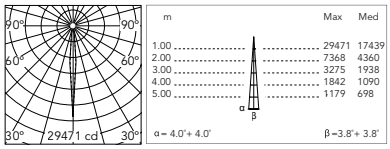
Fuente LED incluida. Fuente de alimentación eléctrica 220-240V ON-OFF integrada. Brida de fijación incluida. Dispone de un pasacable en metal M16x1,5 (para cables 4,5mm<ø<10mm). Para garantizar la estanqueidad del pasacable se aconseja usar cables eléctricos flexibles y específicos para exteriores. Accesorios opcionales: postes; soportes y brazos para instalación como mástil; brazo saliente de pared.

2200K disponible bajo pedido.

### Optic Spot 10º

**Power Led:** 20W - 1776 lm ≠ OUTPUT 1371 lm - 2700K/CRI 80 - 220÷240V / 20W - 1914 lm ≠ OUTPUT 1486 lm - 3000K/CRI 80 - 220÷240V / 20W - 1987 lm ≠ OUTPUT 1543 lm - 4000K/CRI 80 - 220÷240V

| 2700K | 3000K | 4000K |
|---|---|---|
| ○ FA161012201 | ○ FA161011201 | ○ FA162241201 |
| ● FA161012206 | ● FA161011206 | ● FA162241206 |
| ● FA161012212 | ● FA161011212 | ● FA162241212 |
| ● FA161012218 | ● FA161011218 | ● FA162241218 |
| ● FA161012230 | ● FA161011230 | ● FA162241230 |
| ● FA161012233 | ● FA161011233 | ● FA162241233 |

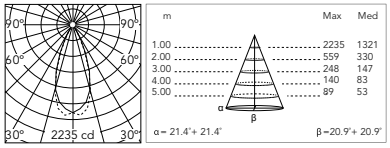



@ 3000K

### Optic Medium 40º

**Power Led:** 20W - 1776 lm ≠ OUTPUT 1281 lm - 2700K/CRI 80 - 220÷240V / 20W - 1914 lm ≠ OUTPUT 1388 lm - 3000K/CRI 80 - 220÷240V / 20W - 1987 lm ≠ OUTPUT 1442 lm - 4000K/CRI 80 - 220÷240V

| 2700K | 3000K | 4000K |
|---|---|---|
| ○ FA161012301 | ○ FA161011301 | ○ FA162241301 |
| ● FA161012306 | ● FA161011306 | ● FA162241306 |
| ● FA161012312 | ● FA161011312 | ● FA162241312 |
| ● FA161012318 | ● FA161011318 | ● FA162241318 |
| ● FA161012330 | ● FA161011330 | ● FA162241330 |
| ● FA161012333 | ● FA161011333 | ● FA162241333 |




@ 3000K

## Franco 1 / Ø 60mm - Poles

With Base
With fixed pole head hooking. Non-adjustable projector

Con base.
Se completa con anclaje fijo en la parte superior del cuerpo.
Proyector no orientable.

**H 500mm**

- FA100501
- FA100506
- FA100512
- FA100518
- FA100530
- FA100533

**H 900mm**

- FA100901
- FA100906
- FA100912
- FA100918
- FA100930
- FA100933

**H 2000mm**

- FA11701
- FA11706
- FA11712
- FA11718
- FA11730
- FA11733

In-Ground (+300 mm Root)

Empotrable (+300 mm por debajo del nivel del suelo)

**H 500mm**

- FA110501
- FA110506
- FA110512
- FA110518
- FA110530
- FA110533

**H 900mm**

- FA110901
- FA110906
- FA110912
- FA110918
- FA110930
- FA110933

## Franco 1 / Ø 76mm - Poles

With Base and Access Door.
With Terminal Block 4x1,5-16mmq.

Con base y con caja de conexión registrable.
With Terminal Block 4x1,5-16mmq.

**H 3500mm**

- FA24806
- FA24833

**H 4500mm**

- FA24906
- FA24933

In-Ground (+500 mm Root) With Access Door
With Terminal Block 4x1,5-16mmq

Empotrable (+500 mm por debajo del nivel del suelo) With Access Door
With Terminal Block 4x1,5-16mmq

**H 3500mm**

- FA25006
- FA25033

**H 4500mm**

- FA25106
- FA25133

## Franco 1 / Ø 102mm - Poles

With Base and Access Door.
With Terminal Block 4x1,5-16mmq.

Con base y con caja de conexión registrable.
With Terminal Block 4x1,5-16mmq.

**H 4000mm**

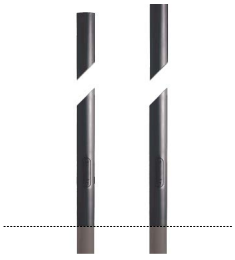
- FA414006
- FA414033

**H 5000mm**

- FA415006
- FA415033

In-Ground (+500 mm Root) With Access Door
With Terminal Block 4x1,5-16mmq

Empotrable (+500 mm por debajo del nivel del suelo) With Access Door
With Terminal Block 4x1,5-16mmq



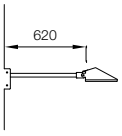
**H 4000mm**

- FA414506
- FA414533

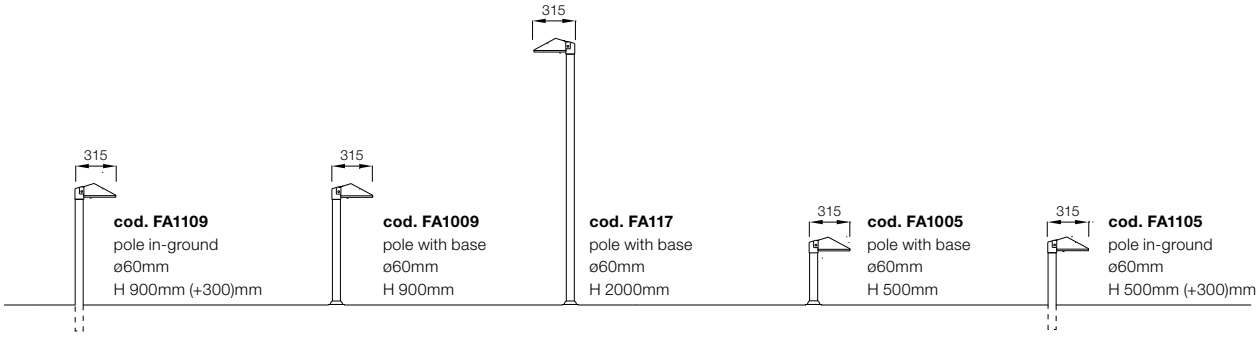
**H 5000mm**

- FA415506
- FA415533

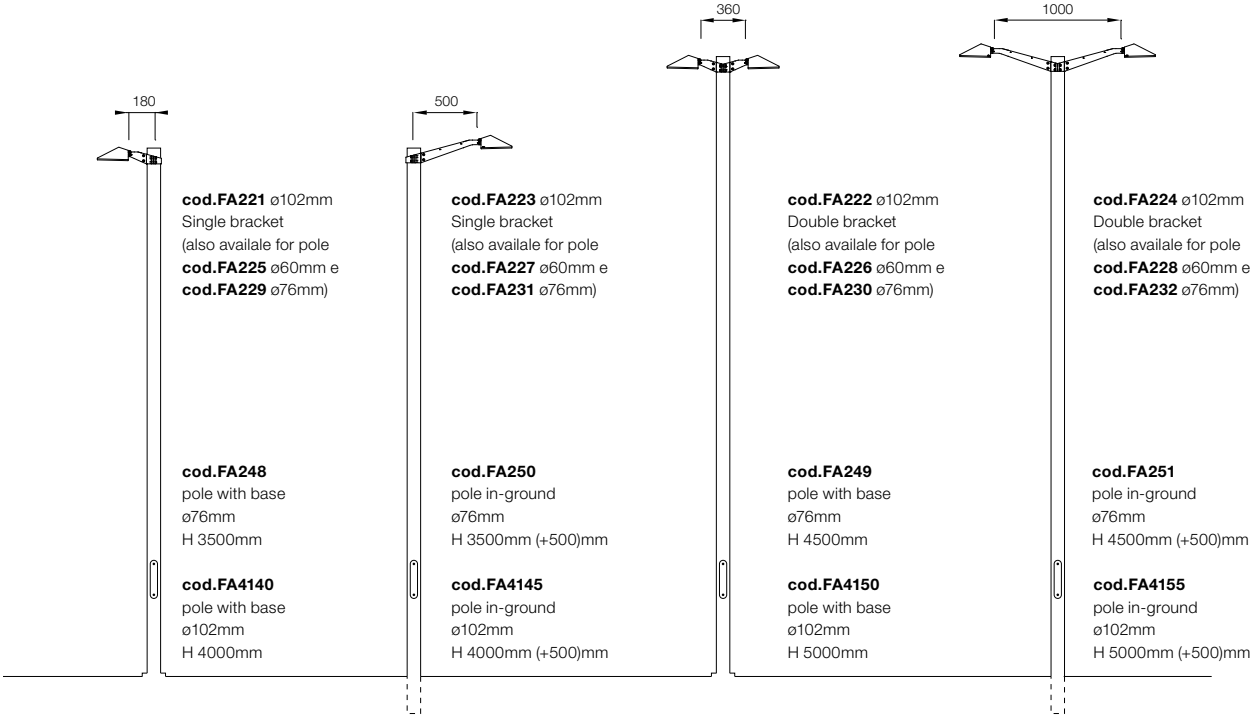
## Adjustable Projector on Wall / Proyector orientable de pared.



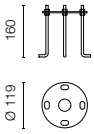
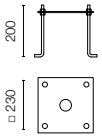
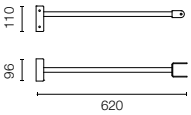
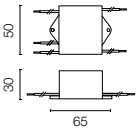

## Non-Adjustable Projector on Pole / Proyector con soporte fijo no orientable.



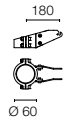
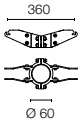
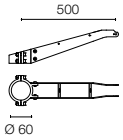
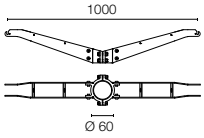

## Adjustable Projector on Pole / Proyector orientable para soporte.



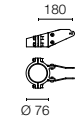
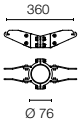
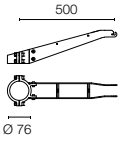
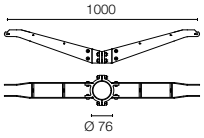
## Franco 1: Accessories / Accesorios

| | | | | |
|---|---|---|---|---|
| Base plate with bolt. | Placa con tirafondos. | H: 500 / 900 / 2000mm<br>FA243 | |  |
| Base plate with bolt. | Placa con tirafondos. | H: 3500 / 4500mm with base<br>FA116 | |  |
| Wall bracket 620mm. | Brazo 620 mm. | ○ FA8801<br>● FA8806<br>● FA8812<br>● FA8818<br>● FA8830<br>● FA8833 | |  |
| Surge protection device. 275Vac. Maximum discharge current 10KA (8/20µs). Maximum operating current 5A. Suitable for series connection. IP66. | Dispositivo de protección contra sobrecargas. 275 Vac. Corriente de descarga máxima 10KA (8/20µs). Corriente máxima de funcionamiento 5A. Apta para conexión en serie. IP66. | F990E00A000 | |  |

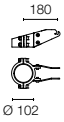
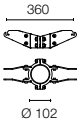
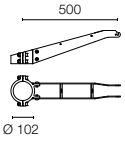
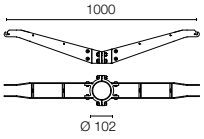
## Franco 1 Ø 60mm

| | | | | |
|---|---|---|---|---|
| Single bracket 180mm.<br>For pole Ø 60mm. | Brazo individual 180 mm.<br>Para soporte Ø 60mm. | ● FA22506<br>● FA22533 | |  |
| Double bracket 180mm.<br>For pole Ø 60mm. | Brazo doble 180 mm.<br>Para soporte Ø 60mm. | ● FA22606<br>● FA22633 | |  |
| Single bracket 500mm.<br>For pole Ø 60mm. | Brazo individual 500mm.<br>Para soporte Ø 60mm. | ● FA22706<br>● FA22733 | |  |
| Double bracket 500mm.<br>For pole Ø 60mm. | Brazo doble 500mm.<br>Para soporte Ø 60mm. | ● FA22806<br>● FA22833 | |  |

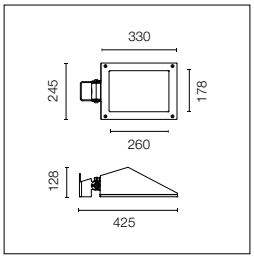
## Franco 1 Ø 76mm

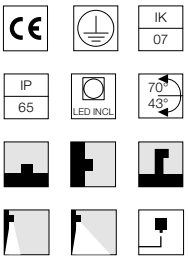
| | | | | |
|---|---|---|---|---|
| Single bracket 180mm.<br>For pole Ø 76mm. | Brazo individual 180 mm.<br>Para soporte Ø 76mm. | ● FA22906<br>● FA22933 | |  |
| Double bracket 180mm.<br>For pole Ø 76mm. | Brazo doble 180 mm.<br>Para soporte Ø 76mm. | ● FA23006<br>● FA23033 | |  |
| Single bracket 500mm.<br>For pole Ø 76mm. | Brazo individual 500mm.<br>Para soporte Ø 76mm. | ● FA23106<br>● FA23133 | |  |
| Double bracket 500mm.<br>For pole Ø 76mm. | Brazo doble 500mm.<br>Para soporte Ø 76mm. | ● FA23206<br>● FA23233 | |  |

## Franco 1 Ø 102mm

| | | | | |
|---|---|---|---|---|
| Single bracket 180mm.<br>For pole Ø 102mm. | Brazo individual 180 mm.<br>Para soporte Ø 102mm. | ● FA22106<br>● FA22133 | |  |
| Double bracket 180mm.<br>For pole Ø 102mm. | Brazo doble 180 mm.<br>Para soporte Ø 102mm. | ● FA22206<br>● FA22233 | |  |
| Single bracket 500mm.<br>For pole Ø 102mm. | Brazo individual 500mm.<br>Para soporte Ø 102mm. | ● FA22306<br>● FA22333 | |  |
| Double bracket 500mm.<br>For pole Ø 102mm. | Brazo doble 500mm.<br>Para soporte Ø 102mm. | ● FA22406<br>● FA22433 | |  |

## Franco 2 CoB Led



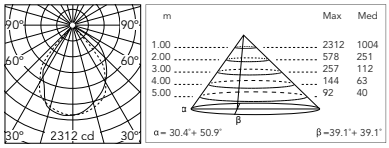

LED source included. Integrated electrical power supply 220-240V ON/OFF. Graduated fixing bracket included. Equipped with a M20x1.5 cable guide (for 7mm<ø<13mm cables) and IP68 connector. To ensure the tightness of the cable guide it's recommended to use flexible electric cables suitable for exterior use. Optional accessories: posts and arms for mast mounting.

Fuente Led incluida. Fuente de alimentación eléctrica 220-240V ON/OFF integrada. Brida de fijación graduada incluida. Dispone de un pasacable de metal M20x1,5 (para cables 7mm<ø<13mm) y conector IP68. Para garantizar la estanqueidad del pasacable se aconseja usar cables eléctricos flexibles y específicos para exteriores. Accesorios opcionales: postes y relativos brazos para instalación como mástil.

### Symmetric Optic

**CoB Led:** 43W - 5043 lm ≠ OUTPUT 3143 lm - 2700K/CRI 80 - 220÷240V / 43W - 5423 lm ≠ OUTPUT 3380 lm - 3000K/CRI 80 - 220÷240V / 43W - 5560 lm ≠ OUTPUT 3465 lm - 4000K/CRI 80 - 220÷240V

| 2700K | 3000K | 4000K |
|---|---|---|
| ○ FA962832301.A | ○ FA962831301.A | ○ FA962821301.A |
| ● FA962832306.A | ● FA962831306.A | ● FA962821306.A |
| ● FA962832312.A | ● FA962831312.A | ● FA962821312.A |
| ● FA962832318.A | ● FA962831318.A | ● FA962821318.A |
| ● FA962832330.A | ● FA962831330.A | ● FA962821330.A |
| ● FA962832333.A | ● FA962831333.A | ● FA962821333.A |

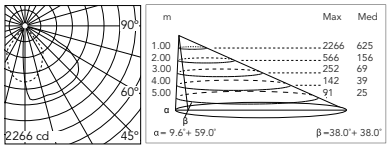



@ 3000K

### Asymmetric Optic

**CoB Led:** 43W - 5043 lm ≠ OUTPUT 2648 lm - 2700K/CRI 80 - 220÷240V / 43W - 5423 lm ≠ OUTPUT 2847 lm - 3000K/CRI 80 - 220÷240V / 43W - 5560 lm ≠ OUTPUT 2919 lm - 4000K/CRI 80 - 220÷240V

| 2700K | 3000K | 4000K |
|---|---|---|
| ○ FA962832401.A | ○ FA962831401.A | ○ FA962821401.A |
| ● FA962832406.A | ● FA962831406.A | ● FA962821406.A |
| ● FA962832412.A | ● FA962831412.A | ● FA962821412.A |
| ● FA962832418.A | ● FA962831418.A | ● FA962821418.A |
| ● FA962832430.A | ● FA962831430.A | ● FA962821430.A |
| ● FA962832433.A | ● FA962831433.A | ● FA962821433.A |




@ 3000K

## Franco 2 / Ø 76mm - Poles

With Base and Access Door.
With Terminal Block 4x1,5-16mmq.

Con base y con caja de conexión registrable.
With Terminal Block 4x1,5-16mmq.

**H 3500mm**

- FA24806
- FA24833

**H 4500mm**

- FA24906
- FA24933

In-Ground (+500 mm Root) With Access Door
With Terminal Block 4x1,5-16mmq

Empotrable (+500 mm por debajo del nivel del suelo) With Access Door
With Terminal Block 4x1,5-16mmq

**H 3500mm**

- FA25006
- FA25033

**H 4500mm**

- FA25106
- FA25133

## Franco 2 / Ø 102mm - Poles

With Base and Access Door.
With Terminal Block 4x1,5-16mmq.

Con base y con caja de conexión registrable.
With Terminal Block 4x1,5-16mmq.

**H 4000mm**

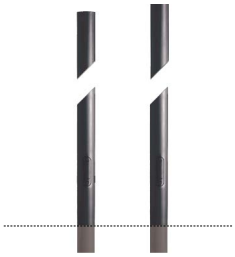
- FA414006
- FA414033

**H 5000mm**

- FA415006
- FA415033

In-Ground (+500 mm Root) With Access Door
With Terminal Block 4x1,5-16mmq

Empotrable (+500 mm por debajo del nivel del suelo) With Access Door
With Terminal Block 4x1,5-16mmq



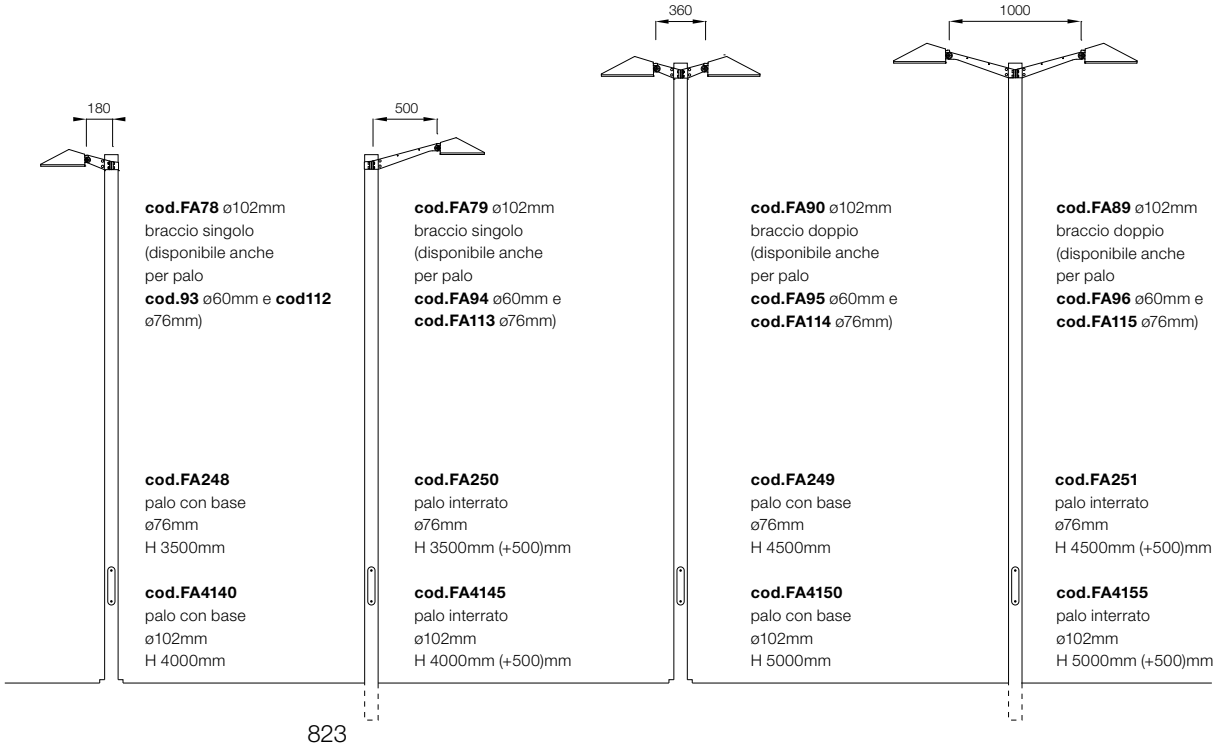
**H 4000mm**

- FA414506
- FA414533

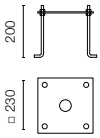
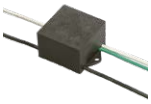
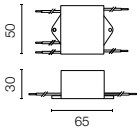
**H 5000mm**

- FA415506
- FA415533

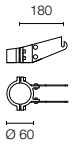
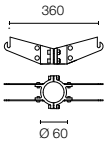
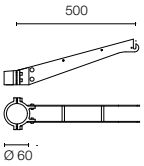
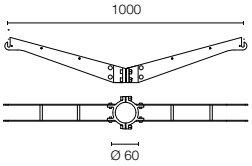
## Installation scheme: Franco 2



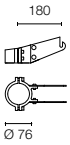
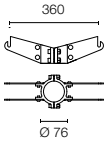
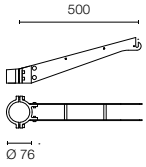
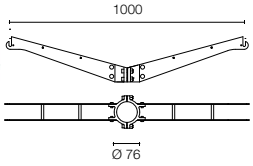
## Franco 2: Accessories / Accesorios

| | | | | |
|---|---|---|---|---|
| Base plate with bolt. | Placa con tirafondos. | FA116 | |   |
| Surge protection device. 275Vac. Maximum discharge current 10KA (8/20µs). Maximum operating current 5A. Suitable for series connection. IP66. | Dispositivo de protección contra sobrecargas. 275 Vac. Corriente de descarga máxima 10KA (8/20µs). Corriente máxima de funcionamiento 5A. Apta para conexión en serie. IP66. | CoB LED<br>F990E00A000 |  |   |

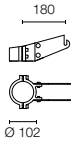
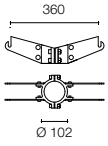
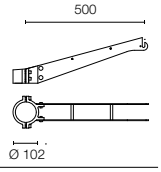
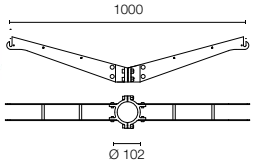
## Franco 2 Ø 60mm

| | | | | |
|---|---|---|---|---|
| Single bracket 180mm.<br>For pole Ø 60mm. | Brazo individual 180 mm.<br>Para soporte Ø 60mm. | ● FA9306<br>● FA9333 | |   |
| Double bracket 180mm.<br>For pole Ø 60mm. | Brazo doble 180 mm.<br>Para soporte Ø 60mm. | ● FA9506<br>● FA9533 | |   |
| Single bracket 500mm.<br>For pole Ø 60mm. | Brazo individual 500mm.<br>Para soporte Ø 60mm. | ● FA9406<br>● FA9433 | |   |
| Double bracket 500mm.<br>For pole Ø 60mm. | Brazo doble 500mm.<br>Para soporte Ø 60mm. | ● FA9606<br>● FA9633 | |   |

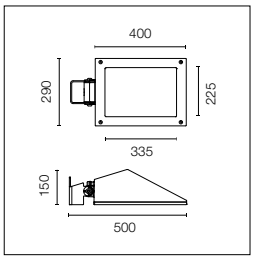
## Franco 2 Ø 76mm

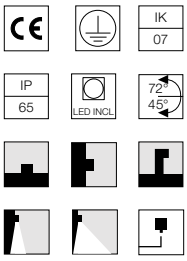
| | | | | |
|---|---|---|---|---|
| Single bracket 180mm.<br>For pole Ø 76mm. | Brazo individual 180 mm.<br>Para soporte Ø 76mm. | ● FA11206<br>● FA11233 | |  |
| Double bracket 180mm.<br>For pole Ø 76mm. | Brazo doble 180 mm.<br>Para soporte Ø 76mm. | ● FA11406<br>● FA11433 | |  |
| Single bracket 500mm.<br>For pole Ø 76mm. | Brazo individual 500mm.<br>Para soporte Ø 76mm. | ● FA11306<br>● FA11333 | |  |
| Double bracket 500mm.<br>For pole Ø 76mm. | Brazo doble 500mm.<br>Para soporte Ø 76mm. | ● FA11506<br>● FA11533 | |  |

## Franco 2 Ø 102mm

| | | | | |
|---|---|---|---|---|
| Single bracket 180mm.<br>For pole Ø 102mm. | Brazo individual 180 mm.<br>Para soporte Ø 102mm. | ● FA7806<br>● FA7833 | |  |
| Double bracket 180mm.<br>For pole Ø 102mm. | Brazo doble 180 mm.<br>Para soporte Ø 102mm. | ● FA9006<br>● FA9033 | |  |
| Single bracket 500mm.<br>For pole Ø 102mm. | Brazo individual 500mm.<br>Para soporte Ø 102mm. | ● FA7906<br>● FA7933 | |  |
| Double bracket 500mm.<br>For pole Ø 102mm. | Brazo doble 500mm.<br>Para soporte Ø 102mm. | ● FA8906<br>● FA8933 | |  |

# Franco 3 CoB Led



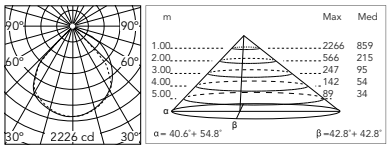

LED source included. Integrated electrical power supply 220-240V ON/OFF. Graduated fixing bracket included. Equipped with a M20x1.5 cable guide (for 7mm<ø<13mm cables) and IP68 connector. To ensure the tightness of the cable guide it's recommended to use flexible electric cables suitable for exterior use. Optional accessories: posts and arms for mast mounting.

Fuente Led incluida. Fuente de alimentación eléctrica 220-240V ON/OFF integrada. Brida de fijación graduada incluida. Dispone de un pasacable de metal M20x1,5 (para cables 7mm<ø<13mm) y conector IP68. Para garantizar la estanqueidad del pasacable se aconseja usar cables eléctricos flexibles y específicos para exteriores. Accesorios opcionales: postes y relativos brazos para instalación como mástil.

**Symmetric Optic**

**CoB Led:** 52W - 5847 lm ≠ OUTPUT 3757 lm - 2700K/CRI 80 - 220÷240V / 52W - 6287 lm ≠ OUTPUT 4040 lm - 3000K/CRI 80 - 220÷240V / 52W - 6446 lm ≠ OUTPUT 4142 lm - 4000K/CRI 80 - 220÷240V

| 2700K | 3000K | 4000K |
|---|---|---|
| ○ FA972842301.A | ○ FA972851301.A | ○ FA972841301.A |
| ● FA972842306.A | ● FA972851306.A | ● FA972841306.A |
| ● FA972842312.A | ● FA972851312.A | ● FA972841312.A |
| ● FA972842318.A | ● FA972851318.A | ● FA972841318.A |
| ● FA972842330.A | ● FA972851330.A | ● FA972841330.A |
| ● FA972842333.A | ● FA972851333.A | ● FA972841333.A |

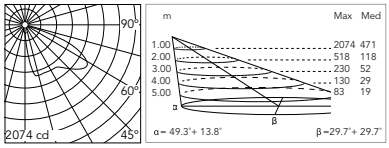



@ 3000K

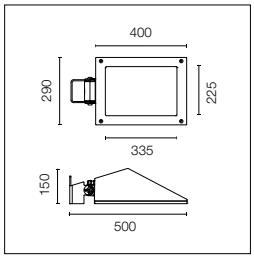
**Asymmetric Optic**

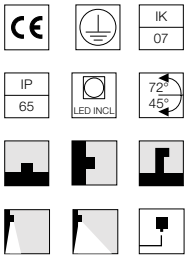
**CoB Led:** 52W - 5847 lm ≠ OUTPUT 3072 lm - 2700K/CRI 80 - 220÷240V / 52W - 6287 lm ≠ OUTPUT 3303 lm - 3000K/CRI 80 - 220÷240V / 52W - 6446 lm ≠ OUTPUT 3386 lm - 4000K/CRI 80 - 220÷240V

| 2700K | 3000K | 4000K |
|---|---|---|
| ○ FA942842401.A | ○ FA942851401.A | ○ FA972841401.A |
| ● FA942842406.A | ● FA942851406.A | ● FA972841406.A |
| ● FA942842412.A | ● FA942851412.A | ● FA972841412.A |
| ● FA942842418.A | ● FA942851418.A | ● FA972841418.A |
| ● FA942842430.A | ● FA942851430.A | ● FA972841430.A |
| ● FA942842433.A | ● FA942851433.A | ● FA972841433.A |




@ 3000K




LED source included. Integrated electrical power supply 220-240V ON/OFF. Graduated fixing bracket included. Equipped with a M20x1.5 cable guide (for 7mm<ø<13mm cables) and IP68 connector. To ensure the tightness of the cable guide it's recommended to use flexible electric cables suitable for exterior use. Optional accessories: posts and arms for mast mounting.

Fuente Led incluida. Fuente de alimentación eléctrica 220-240V ON/OFF integrada. Brida de fijación graduada incluida. Dispone de un pasacable de metal M20x1,5 (para cables 7mm<ø<13mm) y conector IP68. Para garantizar la estanqueidad del pasacable se aconseja usar cables eléctricos flexibles y específicos para exteriores. Accesorios opcionales: postes y relativos brazos para instalación como mástil.

### Asymmetric Optic

**Power Led:** 43W - 5775 lm ≠ OUTPUT 3676 lm - 2700K/CRI 80 - 220÷240V / 43W - 5589 lm ≠ OUTPUT 3939 lm - 3000K/CRI 80 - 220÷240V / 43W - 5216 lm ≠ OUTPUT 4070 lm - 4000K/CRI 80 - 220÷240V

**2700K**

Non Dimmable
- FA972472301
- FA972472306
- FA972472312
- FA972472318
- FA972472330
- FA972472333

1-10V
- FA972472301-310
- FA972472306-310
- FA972472312-310
- FA972472318-310
- FA972472330-310
- FA972472333-310

Dali
- FA972472301-300
- FA972472306-300
- FA972472312-300
- FA972472318-300
- FA972472330-300
- FA972472333-300

**3000K**

Non Dimmable
- FA972481301
- FA972481306
- FA972481312
- FA972481318
- FA972481330
- FA972481333

1-10V
- FA972481301-310
- FA972481306-310
- FA972481312-310
- FA972481318-310
- FA972481330-310
- FA972481333-310

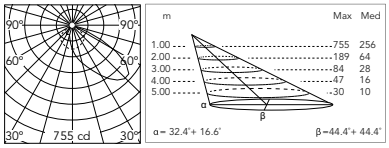
Dali
- FA972481301-300
- FA972481306-300
- FA972481312-300
- FA972481318-300
- FA972481330-300
- FA972481333-300

**4000K**

Non Dimmable
- FA972471301
- FA972471306
- FA972471312
- FA972471318
- FA972471330
- FA972471333

1-10V
- FA972471301-310
- FA972471306-310
- FA972471312-310
- FA972471318-310
- FA972471330-310
- FA972471333-310

Dali
- FA972471301-300
- FA972471306-300
- FA972471312-300
- FA972471318-300
- FA972471330-300
- FA972471333-300




@ 3000K

### Street Light Optic

**Power Led:** 43W - 5775 lm ≠ OUTPUT 3130 lm - 2700K/CRI 80 - 220÷240V / 43W - 5589 lm ≠ OUTPUT 3354 lm - 3000K/CRI 80 - 220÷240V / 43W - 5216 lm ≠ OUTPUT 3466 lm - 4000K/CRI 80 - 220÷240V

**2700K**

Non Dimmable
- FA972472401
- FA972472406
- FA972472412
- FA972472418
- FA972472430
- FA972472433

1-10V
- FA972472401-310
- FA972472406-310
- FA972472412-310
- FA972472418-310
- FA972472430-310
- FA972472433-310

Dali
- FA972472401-300
- FA972472406-300
- FA972472412-300
- FA972472418-300
- FA972472430-300
- FA972472433-300

**3000K**

Non Dimmable
- FA972481401
- FA972481406
- FA972481412
- FA972481418
- FA972481430
- FA972481433

1-10V
- FA972481401-310
- FA972481406-310
- FA972481412-310
- FA972481418-310
- FA972481430-310
- FA972481433-310

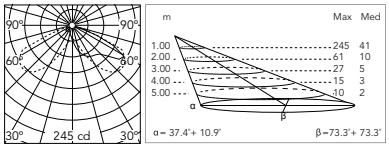
Dali
- FA972481401-300
- FA972481406-300
- FA972481412-300
- FA972481418-300
- FA972481430-300
- FA972481433-300

**4000K**

Non Dimmable
- FA972471401
- FA972471406
- FA972471412
- FA972471418
- FA972471430
- FA972471433

1-10V
- FA972471401-310
- FA972471406-310
- FA972471412-310
- FA972471418-310
- FA972471430-310
- FA972471433-310

Dali
- FA972471401-300
- FA972471406-300
- FA972471412-300
- FA972471418-300
- FA972471430-300
- FA972471433-300




@ 3000K

## Franco 3 / Ø 76mm - Poles

With Base and Access Door.
With Terminal Block 4x1,5-16mmq.

Con base y con caja de conexión registrable.
With Terminal Block 4x1,5-16mmq.

**H 3500mm**

- FA24806
- FA24833

**H 4500mm**

- FA24906
- FA24933

In-Ground (+500 mm Root) With Access Door
With Terminal Block 4x1,5-16mmq

Empotrable (+500 mm por debajo del nivel del suelo) With Access Door
With Terminal Block 4x1,5-16mmq

**H 3500mm**

- FA25006
- FA25033

**H 4500mm**

- FA25106
- FA25133

## Franco 3 / Ø 102mm - Poles

With Base and Access Door.
With Terminal Block 4x1,5-16mmq.

Con base y con caja de conexión registrable.
With Terminal Block 4x1,5-16mmq.

**H 4000mm**

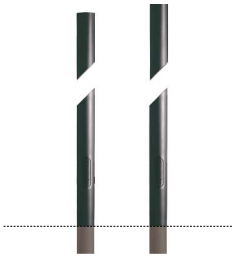
- FA414006
- FA414033

**H 5000mm**

- FA415006
- FA415033

In-Ground (+500 mm Root) With Access Door
With Terminal Block 4x1,5-16mmq

Empotrable (+500 mm por debajo del nivel del suelo) With Access Door
With Terminal Block 4x1,5-16mmq

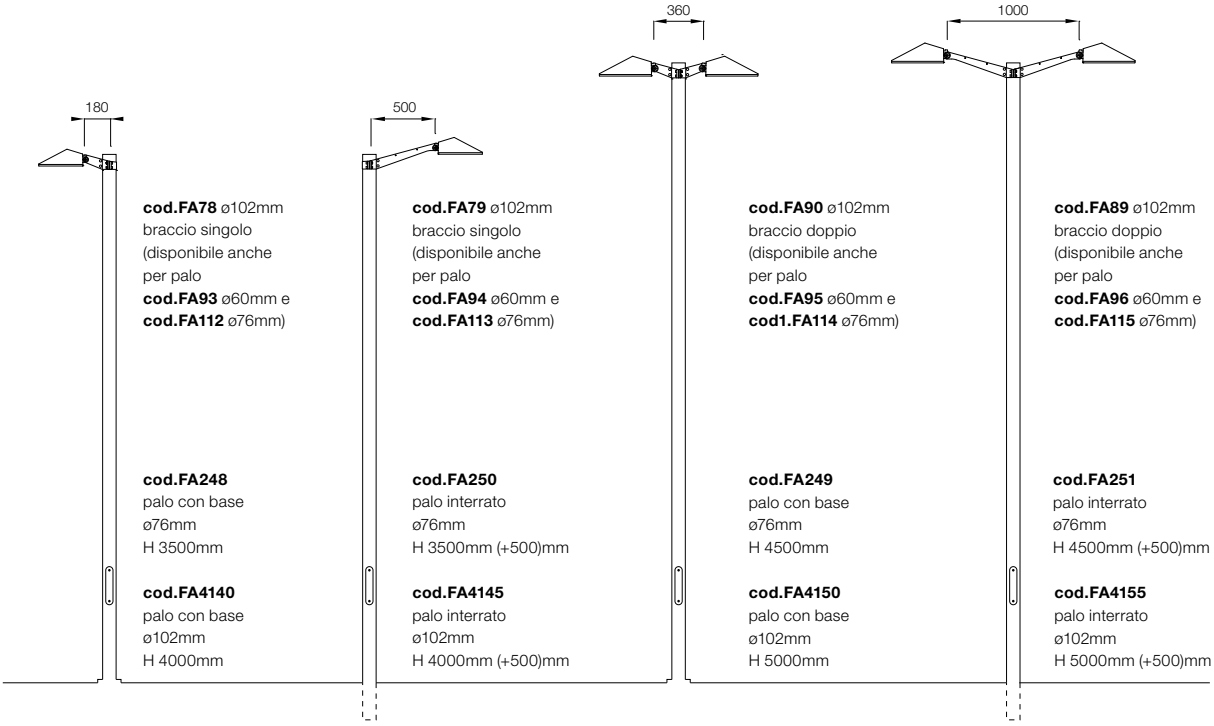


**H 4000mm**

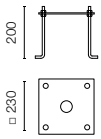
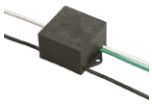
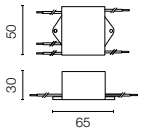
- FA414506
- FA414533

**H 5000mm**

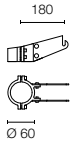
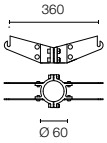
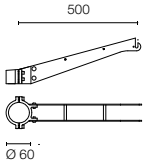
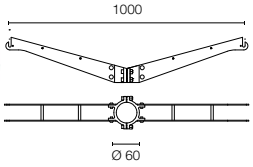
- FA415506
- FA415533


180
500
360
1000
**cod.FA78** ø102mm
braccio singolo
(disponibile anche
per palo
**cod.FA93** ø60mm e
**cod.FA112** ø76mm)
**cod.FA79** ø102mm
braccio singolo
(disponibile anche
per palo
**cod.FA94** ø60mm e
**cod.FA113** ø76mm)
**cod.FA90** ø102mm
braccio doppio
(disponibile anche
per palo
**cod.FA95** ø60mm e
**cod1.FA114** ø76mm)
**cod.FA89** ø102mm
braccio doppio
(disponibile anche
per palo
**cod.FA96** ø60mm e
**cod.FA115** ø76mm)
**cod.FA248**
palo con base
ø76mm
H 3500mm
**cod.FA250**
palo interrato
ø76mm
H 3500mm (+500)mm
**cod.FA249**
palo con base
ø76mm
H 4500mm
**cod.FA251**
palo interrato
ø76mm
H 4500mm (+500)mm
**cod.FA4140**
palo con base
ø102mm
H 4000mm
**cod.FA4145**
palo interrato
ø102mm
H 4000mm (+500)mm
**cod.FA4150**
palo con base
ø102mm
H 5000mm
**cod.FA4155**
palo interrato
ø102mm
H 5000mm (+500)mm

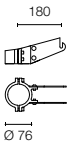
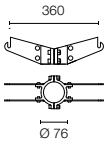
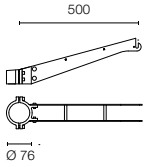
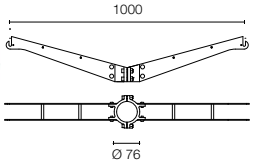
## Franco 3: Accessories / Accesorios

| | | | | |
|---|---|---|---|---|
| Base plate with bolt. | Placa con tirafondos. | FA116 | |   |
| Surge protection device. 275Vac. Maximum discharge current 10KA (8/20µs). Maximum operating current 5A. Suitable for series connection. IP66. | Dispositivo de protección contra sobrecargas. 275 Vac. Corriente de descarga máxima 10KA (8/20µs). Corriente máxima de funcionamiento 5A. Apta para conexión en serie. IP66. | CoB LED / Power LED<br>F990E00A000 |  |   |

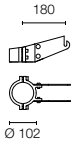
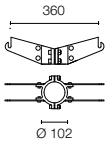
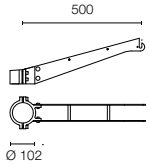
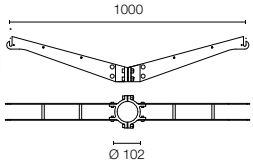
## Franco 3 Ø 60mm

| | | | | |
|---|---|---|---|---|
| Single bracket 180mm.<br>For pole Ø 60mm. | Brazo individual 180 mm.<br>Para soporte Ø 60mm. | ● FA9306<br>● FA9333 | |   |
| Double bracket 180mm.<br>For pole Ø 60mm. | Brazo doble 180 mm.<br>Para soporte Ø 60mm. | ● FA9506<br>● FA9533 | |   |
| Single bracket 500mm.<br>For pole Ø 60mm. | Brazo individual 500mm.<br>Para soporte Ø 60mm. | ● FA9406<br>● FA9433 | |   |
| Double bracket 500mm.<br>For pole Ø 60mm. | Brazo doble 500mm.<br>Para soporte Ø 60mm. | ● FA9606<br>● FA9633 | |   |

## Franco 3 Ø 76mm

| | | | | |
|---|---|---|---|---|
| Single bracket 180mm.<br>For pole Ø 76mm. | Brazo individual 180 mm.<br>Para soporte Ø 76mm. | ● FA11206<br>● FA11233 | |  |
| Double bracket 180mm.<br>For pole Ø 76mm. | Brazo doble 180 mm.<br>Para soporte Ø 76mm. | ● FA11406<br>● FA11433 | |  |
| Single bracket 500mm.<br>For pole Ø 76mm. | Brazo individual 500mm.<br>Para soporte Ø 76mm. | ● FA11306<br>● FA11333 | |  |
| Double bracket 500mm.<br>For pole Ø 76mm. | Brazo doble 500mm.<br>Para soporte Ø 76mm. | ● FA11506<br>● FA11533 | |  |

## Franco 3 Ø 102mm

| | | | | |
|---|---|---|---|---|
| Single bracket 180mm.<br>For pole Ø 102mm. | Brazo individual 180 mm.<br>Para soporte Ø 102mm. | ● FA7806<br>● FA7833 | |  |
| Double bracket 180mm.<br>For pole Ø 102mm. | Brazo doble 180 mm.<br>Para soporte Ø 102mm. | ● FA9006<br>● FA9033 | |  |
| Single bracket 500mm.<br>For pole Ø 102mm. | Brazo individual 500mm.<br>Para soporte Ø 102mm. | ● FA7906<br>● FA7933 | |  |
| Double bracket 500mm.<br>For pole Ø 102mm. | Brazo doble 500mm.<br>Para soporte Ø 102mm. | ● FA8906<br>● FA8933 | |  |

## Perseo

Perseo

## Family / Familia

### Perseo 1

**Power Led**
up to 7W
up to 373 lm - 2700K/CRI 80
up to 401 lm - 3000K/CRI 80
up to 427 lm - 4000K/CRI 80
2200K available on request.

**Mid-Power Led**
up to 9W
up to 435 lm - 2700K/CRI 80
up to 468 lm - 3000K/CRI 80
up to 491 lm - 4000K/CRI 80

### Perseo 2

**Power Led**
up to 12W
up to 866 lm - 2700K/CRI 80
up to 963 lm - 3000K/CRI 80
up to 984 lm - 4000K/CRI 80
2200K available on request.

**Mid-Power Led**
up to 11W
up to 580 lm - 2700K/CRI 80
up to 624 lm - 3000K/CRI 80
up to 655 lm - 4000K/CRI 80

### Perseo 3

**Power Led**
up to 20W
up to 1559 lm - 2700K/CRI 80
up to 1732 lm - 3000K/CRI 80
up to 1771 lm - 4000K/CRI 80
2200K available on request.

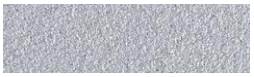
### Perseo 4

**Power Led**
up to 53W
up to 3989 lm - 2700K/CRI 80
up to 4332 lm - 3000K/CRI 80
up to 4533 lm - 4000K/CRI 80
2200K available on request.

**RGB - Power Led**
up to 40W + 220-240V
DMX interface.

## Colours / Colores


01 White


06 Grey

12 Forest Green

18 Deep Brown

30 Black

33 Anthracite

Complete family of tiltable projection luminaires with LED source, designed for wall, post, ceiling and ground mounting with a metal nail that needs to be ordered separately. Available in four dimensions and with different light beams for every dimension, including optics for urban uses. Die cast aluminum body EN AB-47100 (with low copper content) and super pure aluminum reflector. Extraclear or frosted glass diffuser with silkscreen edge, attached to the frame with a robotic gluing system. Available in different finishes, with double-layered powder coating and chemical conversion surface treatment to ensure high corrosion resistance. AISI 316L stainless steel fixing bracket with the same finish as the luminaire body.

**Perseo 1 / Perseo 2**
Tiltable projection luminaires for wall, ceiling, and ground mounting. Three beam angles available: slim, medium (transparent glass) and diffused (frosted glass). Equipped with a protruding section of neoprene cable and a kit with crimpable connectors and adhesive heat-shrinkable sleeves that guarantee the tightness of the connection. The AISI 316L stainless steel fixing bracket allows for a tilting of approx. 180º on the vertical axis. The range is completed with the following optional accessories: ground spike; feet to install the luminaire as a bollard; and protruding arms for sign lighting. The feet and arms include IP68 connectors to guarantee an easy and safe cabling.

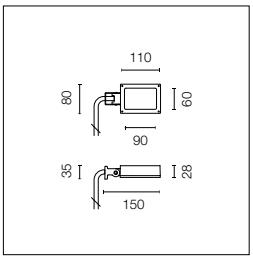
**Perseo 3 / Perseo 4**
Tiltable projection luminaires for wall, post, ceiling, and ground mounting. Four beam angles available: slim, medium, asymmetrical, and urban optics. Equipped with a metal cable guide. To ensure the tightness of the cable guide it's recommended to use flexible electric cables suitable for exterior use. AISI316L stainless steel fixing bracket, graduated to guarantee precision in the adjustment of the emission unit and a tilting of approx. 150º on the vertical axis. The range is completed with the following optional accessories: feet to install the luminaire as a bollard; arms for wall mounting, suitable for sign lighting at a distance (the feet and arms include IP68 connectors for an easy and safe cabling); a complete series of cylinder feet in different diameters and heights to be ground recessed or fixed with anchor plates and lag screws; single and double arms in two lenghts for posts with different diameters, wall-washer visor and anti-vandalism protection lid.
The Perseo 4 model is completed with the RGB version to create sceneries with colored light.

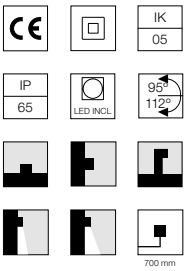
Familia completa de luminarias de proyección orientable, con fuente LED, diseñadas para instalación en pared, soporte para mástil, techo y suelo mediante clavo metálico que se debe pedir por separado. Disponibles en cuatro dimensiones y con diferentes ópticas para cada dimensión, incluidas las ópticas para uso en contextos urbanos. Cuerpo de aluminio fundido a presión EN AB-47100 (con bajo contenido en cobre) y reflector de aluminio superpuro. Difusor de vidrio extraclaro o esmerilado con borde serigrafiado, fijado al marco mediante un sistema de encolado robótico. Disponibles en diferentes acabados, con recubrimiento de polvo de doble capa y tratamiento superficial de conversión química para garantizar una elevada resistencia ante la corrosión. Brida de fijación de acero inoxidable AISI 316L y del mismo acabado que el cuerpo de la luminaria.

**Perseo 1 / Perseo 2**
Luminarias de proyección orientable, diseñadas para instalación en pared, techo y suelo. Disponibles en tres haces de apertura: estrecha, media (vidrio transparente) y difusa (vidrio esmerilado). Dotadas de una sección de cable en neopreno que sobresale y de kit con conectores crimpables y fundas termoretráctiles adhesivas que garantizan la estanqueidad de la conexión. La brida de fijación de acero inoxidable AISI316L permite una orientación de aproximadamente 180º sobre el eje vertical. Completan la gamma los accesorios opcionales: pica para puesta a tierra; pies para su instalación como baliza; y brazos salientes de pared para la iluminación saliente de rótulos. En pies y brazos se incluyen los conectores IP68, que garantizan un cableado fácil y seguro.

**Perseo 3 / Perseo 4**
Luminarias de proyección orientable, diseñadas para instalación en pared, poste como mástil, techo y suelo. Disponibles con cuatro haces de apertura: estrecha, media, asimétrica y ópticas urbanas. Dotadas de un pasacable de metal. Para garantizar la estanqueidad del pasacable se aconseja usar cables eléctricos flexibles y específicos para exteriores. Brida de fijación de acero inoxidable AISI316L, graduada para garantizar una regulación precisa de la unidad emisora y una orientación de aproximadamente 150º sobre el eje vertical. Completan la gama los accesorios opcionales: pies para su instalación como baliza; brazos para pared, idóneos para la iluminación a distancia de rótulos (en los pies y en los brazos se incluyen los conectores IP68 para un cableado fácil y seguro); una serie completa de pies cilíndricos, de diferentes diámetros y alturas, para empotrar en el suelo o fijar con plaquetas de fijación y tirafondos; brazos individuales y dobles, de dos longitudes para postes de diferentes diámetros; visera wall-washer y tapa protectora antivandalismo.
El modelo Perseo 4 está disponible en la versión RGB para la creación de escenografías con luces de colores.

## Perseo 1




LED source included. Integrated electrical power supply 100-240V ON- OFF. Fixing bracket included. Equipped with a 700 mm protruding section of neoprene cable and a kit with crimpable connectors and adhesive heat-shrinkable sleeves that guarantee the tightness of the connection. Optional accessories: ground spike; feet for ground mounting and arms for wall mounting (IP68 connector included). Extraclear transparent glass.

2200K available on request.

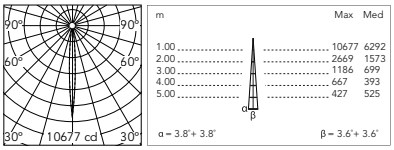
Fuente LED incluida. Fuente de alimentación eléctrica 100-240 V ON-OFF integrada. Brida de fijación incluida. Dotada de sección de cable en neopreno que sobresale 700 mm y kit con conectores crimpables y fundas termoretráctiles adhesivas que garantizan la estanqueidad de la conexión. Accesorios opcionales: pica para la puesta a tierra; pies para instalación sobre suelos y brazos para conexión a paredes (incluido el conector IP68). Vidrio transparente extraclaro.

2200K disponible bajo pedido.

### Optic Narrow Spot 8º

**Power LED:** 7W - 398 lm ≠ OUTPUT 373 lm - 2700K/CRI 80 - 100-240V / 7W - 428 lm ≠ OUTPUT 401 lm - 3000K/CRI 80 - 100-240V / 7W - 456 lm ≠ OUTPUT 427 lm - 4000K/CRI 80 - 100-240V

| 2700K | 3000K | 4000K |
|---|---|---|
| ○ FA52514001.A | ○ FA52501301.A | ○ FA52501201.A |
| ● FA52514006.A | ● FA52501306.A | ● FA52501206.A |
| ● FA52514012.A | ● FA52501312.A | ● FA52501212.A |
| ● FA52514018.A | ● FA52501318.A | ● FA52501218.A |
| ● FA52514030.A | ● FA52501330.A | ● FA52501230.A |
| ● FA52514033.A | ● FA52501333.A | ● FA52501233.A |

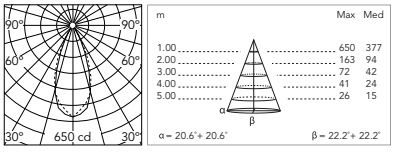



@ 4000K

### Optic Medium 40º

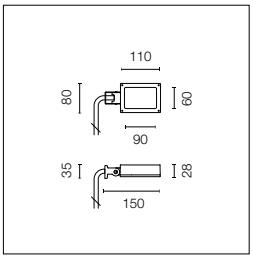
**Power LED:** 7W - 398 lm ≠ OUTPUT 332 lm - 2700K/CRI 80 - 100-240V / 7W - 428 lm ≠ OUTPUT 357 lm - 3000K/CRI 80 - 100-240V / 7W - 456 lm ≠ OUTPUT 381 lm - 4000K/CRI 80 - 100-240V

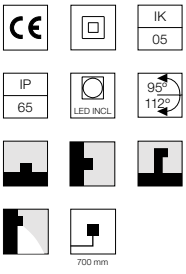
| 2700K | 3000K | 4000K |
|---|---|---|
| ○ FA52514201.A | ○ FA52502301.A | ○ FA52502201.A |
| ● FA52514206.A | ● FA52502306.A | ● FA52502206.A |
| ● FA52514212.A | ● FA52502312.A | ● FA52502212.A |
| ● FA52514218.A | ● FA52502318.A | ● FA52502218.A |
| ● FA52514230.A | ● FA52502330.A | ● FA52502230.A |
| ● FA52514233.A | ● FA52502333.A | ● FA52502233.A |




@ 4000K

## Perseo 1 Opal



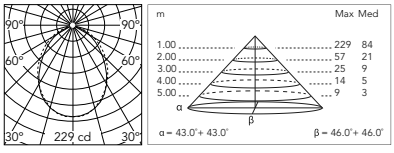

LED source included. Integrated electrical power supply 100-240V ON- OFF. Fixing bracket included. Equipped with a 700 mm protruding section of neoprene cable and a kit with crimpable connectors and adhesive heat-shrinkable sleeves that guarantee the tightness of the connection. Optional accessories: ground spike; feet for ground mounting and arms for wall mounting (IP68 connector included). Frosted glass.

Fuente LED incluida. Fuente de alimentación eléctrica 100-240V ON-OFF integrada. Brida de fijación incluida. Dotada de sección de cable en neopreno que sobresale 700 mm y kit con conectores crimpables y fundas termoretráctiles adhesivas que garantizan la estanqueidad de la conexión. Accesorios opcionales: pica para la puesta a tierra; pies para instalación sobre suelos y brazos para conexión a paredes (incluido el conector IP68). Vidrio esmerilado.

### Diffused Light

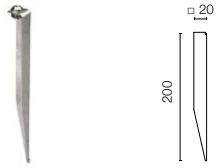
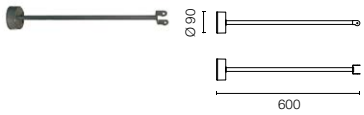
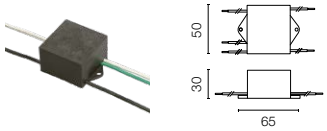
**Mid-Power LED:** 9W - 836 lm ≠ OUTPUT 435 lm - 2700K/CRI 80 - 100-240V / 9W - 899 lm ≠ OUTPUT 468 lm - 3000K/CRI 80 - 100-240V / 9W - 943 lm ≠ OUTPUT 491 lm - 4000K/CRI 80 - 100-240V

| 2700K | 3000K | 4000K |
|---|---|---|
| ○ FA52514401.A | ○ FA52500301.A | ○ FA52500201.A |
| ● FA52514406.A | ● FA52500306.A | ● FA52500206.A |
| ● FA52514412.A | ● FA52500312.A | ● FA52500212.A |
| ● FA52514418.A | ● FA52500318.A | ● FA52500218.A |
| ● FA52514430.A | ● FA52500330.A | ● FA52500230.A |
| ● FA52514433.A | ● FA52500333.A | ● FA52500233.A |

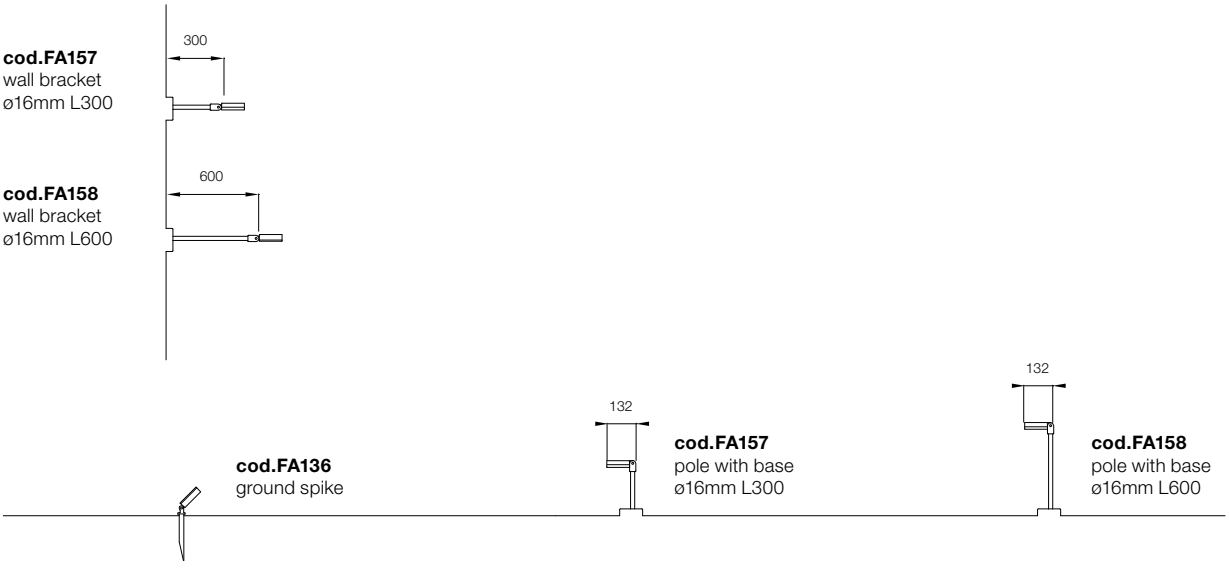



@ 4000K

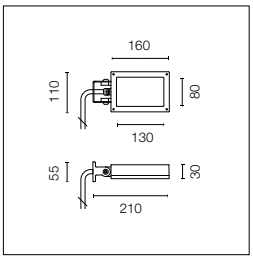
## Perseo 1: Accessories / Accesorios

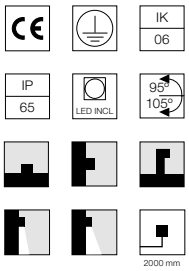
| | | | |
|---|---|---|---|
| Ground spike. | Clavo metálico para instalación en suelo. | FA136 |   |
| Wall bracket / Palo 300mm. | Brazo / Palo 300mm. | ○ FA15701<br>● FA15706<br>● FA15712<br>● FA15718<br>● FA15730<br>● FA15733 | |
| Wall bracket / Palo 600mm. | Brazo / Palo 600mm. | ○ FA15801<br>● FA15806<br>● FA15812<br>● FA15818<br>● FA15830<br>● FA15833 |   |
| Surge protection device. 275Vac. Maximum discharge current 10KA (8/20µs). Maximum operating current 5A. Suitable for series connection. IP66. | Dispositivo de protección contra sobrecargas. 275 Vac. Corriente de descarga máxima 10KA (8/20µs). Corriente máxima de funcionamiento 5A. Apta para conexión en serie. IP66. | F990E00A000 |   |

## Installation scheme: Perseo 1



## Perseo 2




LED source included. Integrated electrical power supply 220-240V ON- OFF. Fixing bracket included. Equipped with a 700 mm protruding section of neoprene cable and a kit with crimpable connectors and adhesive heat-shrinkable sleeves that guarantee the tightness of the connection. Optional accessories: ground spike; feet for ground mounting and arms for wall mounting (IP68 connector included). Extraclear transparent glass.

2200K available on request.

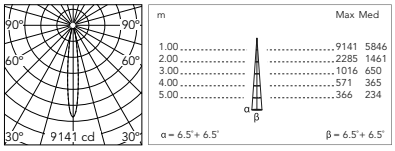
Fuente LED incluida. Fuente de alimentación eléctrica 220-240 V ON-OFF integrada. Brida de fijación incluida. Dotada de sección de cable en neopreno que sobresale 700 mm y kit con conectores crimpables y fundas termoretráctiles adhesivas que garantizan la estanqueidad de la conexión. Accesorios opcionales: pica para la puesta a tierra; pies para instalación sobre suelos y brazos para conexión a paredes (incluido el conector IP68). Vidrio transparente extraclaro.

2200K disponible bajo pedido.

### Optic Spot 13°

**Power Led:** 12W - 1256 lm ≠ OUTPUT 866 lm - 2700K/CRI 80 - 220-240V / 12W - 1395 lm ≠ OUTPUT 963 lm - 3000K/CRI 80 - 220-240V / 12W - 1465 lm ≠ OUTPUT 984 lm - 4000K/CRI 80 - 220÷240V

| 2700K | 3000K | 4000K |
|---|---|---|
| ○ FA52514601 | ○ FA52504301 | ○ FA52504201 |
| ● FA52514606 | ● FA52504306 | ● FA52504206 |
| ● FA52514612 | ● FA52504312 | ● FA52504212 |
| ● FA52514618 | ● FA52504318 | ● FA52504218 |
| ● FA52514630 | ● FA52504330 | ● FA52504230 |
| ● FA52514633 | ● FA52504333 | ● FA52504233 |

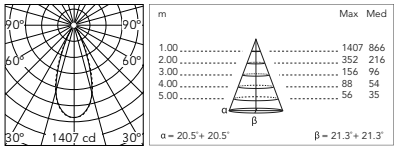



@ 4000K

### Optic Medium 42°

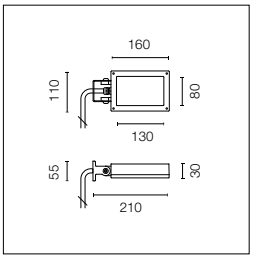
**Power Led:** 12W - 1256 lm ≠ OUTPUT 745 lm - 2700K/CRI 80 - 220-240V / 12W - 1395 lm ≠ OUTPUT 828 lm - 3000K/CRI 80 - 220-240V / 12W - 1465 lm ≠ OUTPUT 846 lm - 4000K/CRI 80 - 220-240V

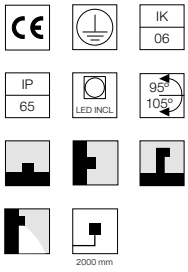
| 2700K | 3000K | 4000K |
|---|---|---|
| ○ FA52514801 | ○ FA52505301 | ○ FA52505201 |
| ● FA52514806 | ● FA52505306 | ● FA52505206 |
| ● FA52514812 | ● FA52505312 | ● FA52505212 |
| ● FA52514818 | ● FA52505318 | ● FA52505218 |
| ● FA52514830 | ● FA52505330 | ● FA52505230 |
| ● FA52514833 | ● FA52505333 | ● FA52505233 |




@ 4000K

## Perseo 2 Opal



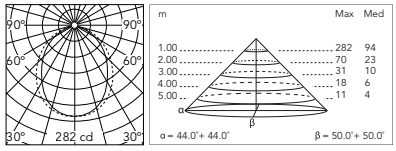

LED source included. Integrated electrical power supply 220-240V ON- OFF. Fixing bracket included. Equipped with a 700 mm protruding section of neoprene cable and a kit with crimpable connectors and adhesive heat-shrinkable sleeves that guarantee the tightness of the connection. Optional accessories: ground spike; feet for ground mounting and arms for wall mounting (IP68 connector included). Frosted glass.

Fuente LED incluida. Fuente de alimentación eléctrica 220-240 V ON-OFF integrada. Brida de fijación incluida. Dotada de sección de cable en neopreno que sobresale 700 mm y kit con conectores crimpables y fundas termoretráctiles adhesivas que garantizan la estanqueidad de la conexión. Accesorios opcionales: pica para la puesta a tierra; pies para instalación sobre suelos y brazos para conexión a paredes (incluido el conector IP68). Vidrio esmerilado.

### Diffused Light

**Mid-Power Led:** 11W - 1114 lm ≠ OUTPUT 580 lm - 2700K/CRI 80 - 220-240V / 11W - 1198 lm ≠ OUTPUT 624 lm - 3000K/CRI 80 - 220-240V / 11W - 1258 lm ≠ OUTPUT 655 lm - 4000K/CRI 80 - 220-240V

| 2700K | 3000K | 4000K |
|---|---|---|
| ○ FA52515001 | ○ FA52503301 | ○ FA52503201 |
| ● FA52515006 | ● FA52503306 | ● FA52503206 |
| ● FA52515012 | ● FA52503312 | ● FA52503212 |
| ● FA52515018 | ● FA52503318 | ● FA52503218 |
| ● FA52515030 | ● FA52503330 | ● FA52503230 |
| ● FA52515033 | ● FA52503333 | ● FA52503233 |

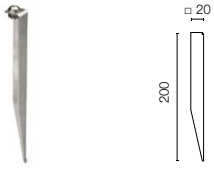
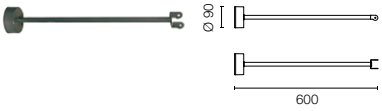
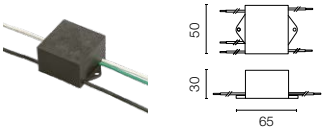



@ 4000K

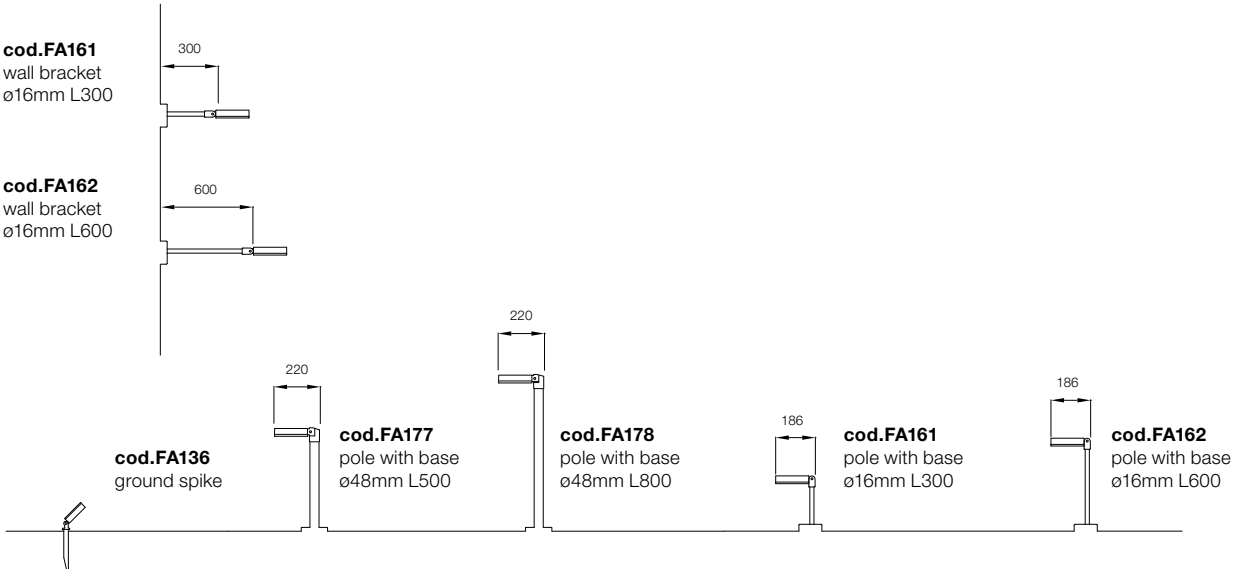
## Perseo 2 / Ø 48mm - Poles With Base

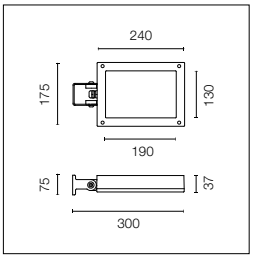
| H 500mm | H 800mm |
|---|---|
| ○ FA17701 | ○ FA17801 |
| ● FA17706 | ● FA17806 |
| ● FA17712 | ● FA17812 |
| ● FA17718 | ● FA17818 |
| ● FA17730 | ● FA17830 |
| ● FA17733 | ● FA17833 |

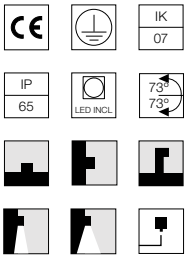
## Perseo 2: Accessories / Accesorios

| | | | |
|---|---|---|---|
| Ground spike. | Clavo metálico para instalación en suelo. | FA136 |   |
| Wall bracket / Palo 300mm. | Brazo / Palo 300mm. | ○ FA16101<br>● FA16106<br>● FA16112<br>● FA16118<br>● FA16130<br>● FA16133 | |
| Wall bracket / Palo 600mm. | Brazo / Palo 600mm. | ○ FA16201<br>● FA16206<br>● FA16212<br>● FA16218<br>● FA16230<br>● FA16233 |   |
| Base plate with bolt. | Placa con tirafondos. | FA182 | |
| Surge protection device. 275Vac. Maximum discharge current 10KA (8/20µs). Maximum operating current 5A. Suitable for series connection. IP66. | Dispositivo de protección contra sobrecargas. 275 Vac. Corriente de descarga máxima 10KA (8/20µs). Corriente máxima de funcionamiento 5A. Apta para conexión en serie. IP66. | F990E00A000 |   |

## Installation scheme: Perseo 2






LED source included. Integrated power supply 220-240V ON/OFF and dimmable 1-10V or DALI. Fixing bracket included. Equipped with a M16x1.5 cable guide (for 4.5mm<ø<10mm cables) and IP68 connector. To ensure the tightness of the cable guide it's recommended to use flexible electric cables suitable for exterior use. Optional accessories: protruding arm for walls; feet and arms to install the luminaire on a mast; wall-washer visor and anti-vandalism protection lid.
Extraclear transparent glass.

2200K available on request.

Fuente LED incluida. Fuente de alimentación eléctrica 220-240V ON/OFF e intensidad regulable entre 1 y 10V o DALI integrada. Brida de fijación incluida. Dotada de pasacable en metal M16x1,5 (para cables 4,5mm<ø<10mm). Para garantizar la estanqueidad del pasacable se aconseja usar cables eléctricos flexibles y específicos para exteriores. Accesorios opcionales: brazo sobresaliente para paredes; pies y brazos para su instalación como mástil; visor wall-washer y tapa protectora antivandalismo. Vidrio transparente extraclaro.

2200K disponible bajo pedido.

**Optic Spot 11º**

**Power Led:** 20W - 2232 lm ≠ OUTPUT 1559 lm - 2700K/CRI 80 - 220-240V / 20W - 2424 lm ≠ OUTPUT 1732 lm - 3000K/CRI 80 - 220-240V / 20W - 2536 lm ≠ OUTPUT 1771 lm - 4000K/CRI 80 - 220-240V

**2700K**

Non Dimmable
- FA52515201
- FA52515206
- FA52515212
- FA52515218
- FA52515230
- FA52515233

1-10V
- FA52515201-310
- FA52515206-310
- FA52515212-310
- FA52515218-310
- FA52515230-310
- FA52515233-310

Dali
- FA52515201-300
- FA52515206-300
- FA52515212-300
- FA52515218-300
- FA52515230-300
- FA52515233-300

**3000K**

Non Dimmable
- FA52509301
- FA52509306
- FA52509312
- FA52509318
- FA52509330
- FA52509333

1-10V
- FA52509301-310
- FA52509306-310
- FA52509312-310
- FA52509318-310
- FA52509330-310
- FA52509333-310

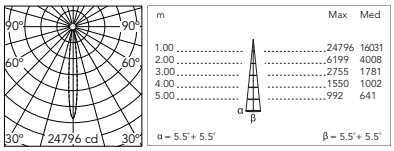
Dali
- FA52509301-300
- FA52509306-300
- FA52509312-300
- FA52509318-300
- FA52509330-300
- FA52509333-300

**4000K**

Non Dimmable
- FA52509201
- FA52509206
- FA52509212
- FA52509218
- FA52509230
- FA52509233

1-10V
- FA52509201-310
- FA52509206-310
- FA52509212-310
- FA52509218-310
- FA52509230-310
- FA52509233-310

Dali
- FA52509201-300
- FA52509206-300
- FA52509212-300
- FA52509218-300
- FA52509230-300
- FA52509233-300




@ 4000K

**Optic Medium 34º**

**Power Led:** 20W - 2232 lm ≠ OUTPUT 1582 lm - 2700K/CRI 80 - 220-240V / 20W - 2424 lm ≠ OUTPUT 1757 lm - 3000K/CRI 80 - 220-240V / 20W - 2536 lm ≠ OUTPUT 1797 lm - 4000K/CRI 80 - 220-240V

**2700K**

Non Dimmable
- FA52515401
- FA52515406
- FA52515412
- FA52515418
- FA52515430
- FA52515433

1-10V
- FA52515401-310
- FA52515406-310
- FA52515412-310
- FA52515418-310
- FA52515430-310
- FA52515433-310

Dali
- FA52515401-300
- FA52515406-300
- FA52515412-300
- FA52515418-300
- FA52515430-300
- FA52515433-300

**3000K**

Non Dimmable
- FA52508301
- FA52508306
- FA52508312
- FA52508318
- FA52508330
- FA52508333

1-10V
- FA52508301-310
- FA52508306-310
- FA52508312-310
- FA52508318-310
- FA52508330-310
- FA52508333-310

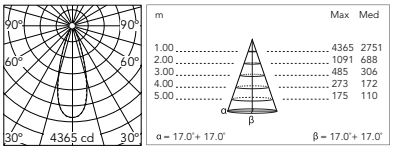
Dali
- FA52508301-300
- FA52508306-300
- FA52508312-300
- FA52508318-300
- FA52508330-300
- FA52508333-300

**4000K**

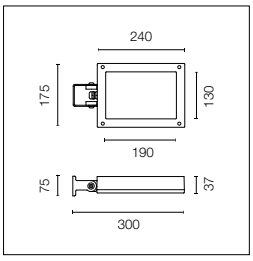
Non Dimmable
- FA52508201
- FA52508206
- FA52508212
- FA52508218
- FA52508230
- FA52508233

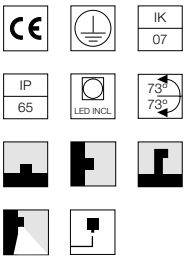
1-10V
- FA52508201-310
- FA52508206-310
- FA52508212-310
- FA52508218-310
- FA52508230-310
- FA52508233-310

Dali
- FA52508201-300
- FA52508206-300
- FA52508212-300
- FA52508218-300
- FA52508230-300
- FA52508233-300




@ 4000K




LED source included. Integrated power supply 220-240V ON/OFF and dimmable 1-10V or DALI. Fixing bracket included. Equipped with a M16x1.5 cable guide (for 4.5mm<ø<10mm cables) and IP68 connector. To ensure the tightness of the cable guide it's recommended to use flexible electric cables suitable for exterior use. Optional accessories: protruding arm for walls; feet and arms to install the luminaire on a mast; wall-washer visor and anti-vandalism protection lid.
Extraclear transparent glass.

2200K available on request.

Fuente LED incluida. Fuente de alimentación eléctrica 220-240V ON/OFF e intensidad regulable entre 1 y 10V o DALI integrada. Brida de fijación incluida. Dotada de pasacable en metal M16x1,5 (para cables 4,5mm<ø<10mm). Para garantizar la estanqueidad del pasacable se aconseja usar cables eléctricos flexibles y específicos para exteriores. Accesorios opcionales: brazo sobresaliente para paredes; pies y brazos para su instalación como mástil; visor wall-washer y tapa protectora antivandalismo. Vidrio transparente extraclaro.

2200K disponible bajo pedido.

### Asymmetric Optic

**Power Led:** 20W - 2232 lm ≠ OUTPUT 1168 lm - 2700K/CRI 80 - 220-240V / 20W- 2424 lm ≠ OUTPUT 1298 lm - 3000K/CRI 80 - 220-240V / 20W - 2536 lm ≠ OUTPUT 1327 lm - 4000K/CRI 80 - 220-240V

**2700K**

Non Dimmable
- FA52515601
- FA52515606
- FA52515612
- FA52515618
- FA52515630
- FA52515633

1-10V
- FA52515601-310
- FA52515606-310
- FA52515612-310
- FA52515618-310
- FA52515630-310
- FA52515633-310

Dali
- FA52515601-300
- FA52515606-300
- FA52515612-300
- FA52515618-300
- FA52515630-300
- FA52515633-300

**3000K**

Non Dimmable
- FA52506301
- FA52506306
- FA52506312
- FA52506318
- FA52506330
- FA52506333

1-10V
- FA52506301-310
- FA52506306-310
- FA52506312-310
- FA52506318-310
- FA52506330-310
- FA52506333-310

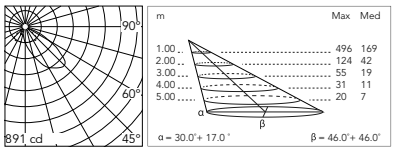
Dali
- FA52506301-300
- FA52506306-300
- FA52506312-300
- FA52506318-300
- FA52506330-300
- FA52506333-300

**4000K**

Non Dimmable
- FA52506201
- FA52506206
- FA52506212
- FA52506218
- FA52506230
- FA52506233

1-10V
- FA52506201-310
- FA52506206-310
- FA52506212-310
- FA52506218-310
- FA52506230-310
- FA52506233-310

Dali
- FA52506201-300
- FA52506206-300
- FA52506212-300
- FA52506218-300
- FA52506230-300
- FA52506233-300




@ 4000K

### Street Light 120°

**Power Led:** 20W - 2232 lm ≠ OUTPUT 972 lm - 2700K/CRI 80 - 220-240V / 20W - 2424 lm ≠ OUTPUT 1080 lm - 3000K/CRI 80 - 220-240V / 20W - 2536 lm ≠ OUTPUT 1105 lm - 4000K/CRI 80 - 220-240V

**2700K**

Non Dimmable
- FA52515801
- FA52515806
- FA52515812
- FA52515818
- FA52515830
- FA52515833

1-10V
- FA52515801-310
- FA52515806-310
- FA52515812-310
- FA52515818-310
- FA52515830-310
- FA52515833-310

Dali
- FA52515801-300
- FA52515806-300
- FA52515812-300
- FA52515818-300
- FA52515830-300
- FA52515833-300

**3000K**

Non Dimmable
- FA52507301
- FA52507306
- FA52507312
- FA52507318
- FA52507330
- FA52507333

1-10V
- FA52507301-310
- FA52507306-310
- FA52507312-310
- FA52507318-310
- FA52507330-310
- FA52507333-310

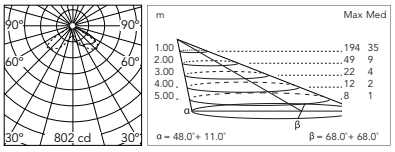
Dali
- FA52507301-300
- FA52507306-300
- FA52507312-300
- FA52507318-300
- FA52507330-300
- FA52507333-300

**4000K**

Non Dimmable
- FA52507201
- FA52507206
- FA52507212
- FA52507218
- FA52507230
- FA52507233

1-10V
- FA52507201-310
- FA52507206-310
- FA52507212-310
- FA52507218-310
- FA52507230-310
- FA52507233-310

Dali
- FA52507201-300
- FA52507206-300
- FA52507212-300
- FA52507218-300
- FA52507230-300
- FA52507233-300




@ 4000K

## Perseo 3 LED / Ø 48mm - Poles

With Base / Con base.

**H 800mm**

- FA17901
- FA17906
- FA17912
- FA17918
- FA17930
- FA17933

In-Ground (+300 mm Root)

Empotrable (+300 mm por debajo del nivel del suelo)

**H 2000mm**

- FA18001
- FA18006
- FA18012
- FA18018
- FA18030
- FA18033

## Perseo 3 LED / Ø 76mm - Poles

With Base and Access Door.
With Terminal Block 4x1,5-16mmq.

Con base y con caja de conexión registrable.
With Terminal Block 4x1,5-16mmq.

**H 3500mm**

- FA24806
- FA24833

**H 4500mm**

- FA24906
- FA24933

In-Ground (+500 mm Root) With Access Door
With Terminal Block 4x1,5-16mmq

Empotrable (+500 mm por debajo del nivel del suelo) With Access Door
With Terminal Block 4x1,5-16mmq

**H 3500mm**

- FA25006
- FA25033

**H 4500mm**

- FA25106
- FA25133

## Perseo 3 LED / Ø 102mm - Poles

With Base and Access Door.
With Terminal Block 4x1,5-16mmq.

Con base y con caja de conexión registrable.
With Terminal Block 4x1,5-16mmq.

**H 4000mm**

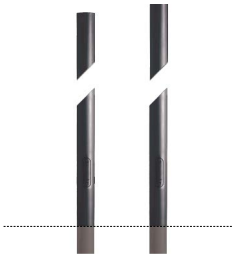
- FA414006
- FA414033

**H 5000mm**

- FA415006
- FA415033

In-Ground (+500 mm Root) With Access Door
With Terminal Block 4x1,5-16mmq

Empotrable (+500 mm por debajo del nivel del suelo) With Access Door
With Terminal Block 4x1,5-16mmq



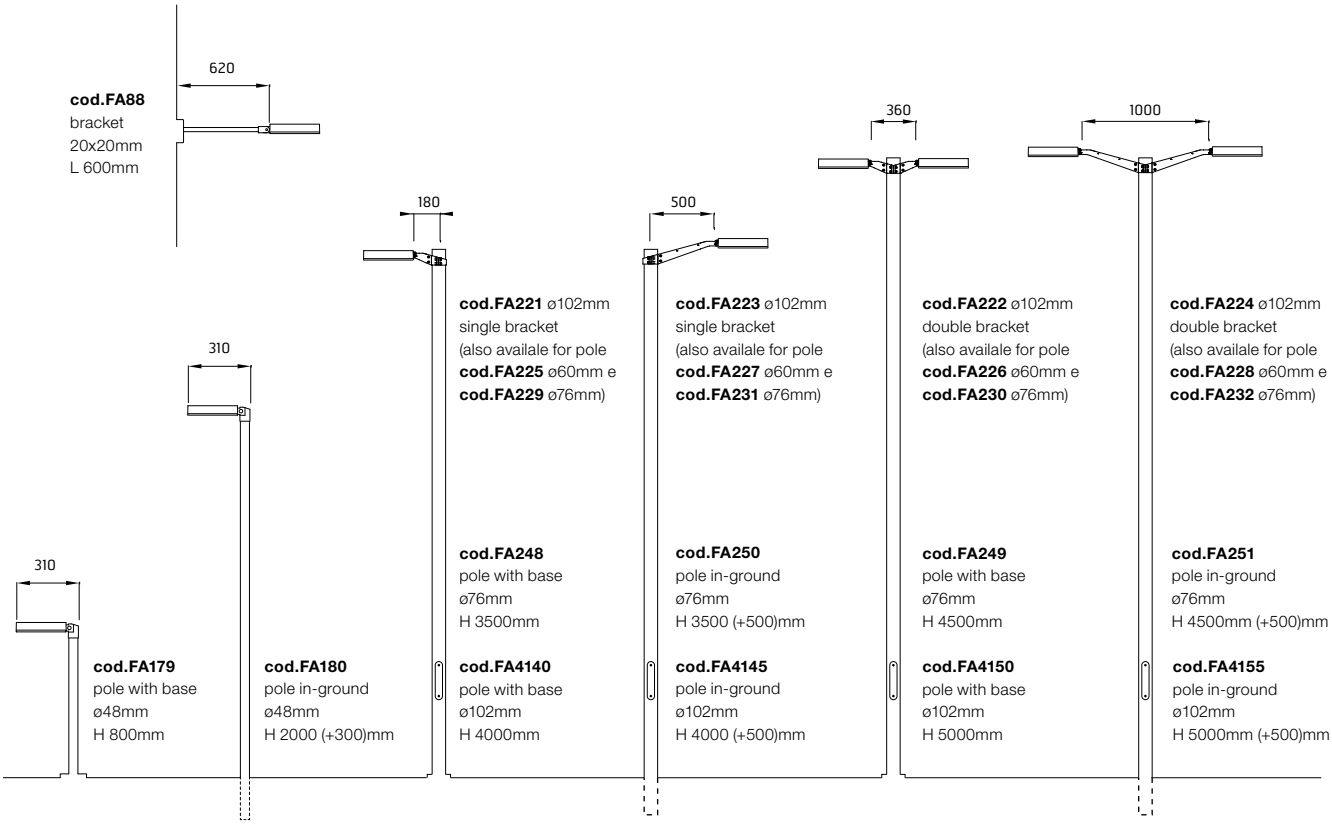
**H 4000mm**

- FA414506
- FA414533

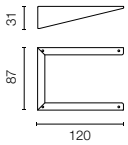
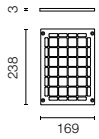
**H 5000mm**

- FA415506
- FA415533

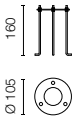
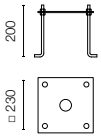
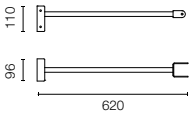
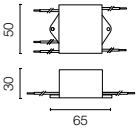
## Installation scheme: Perseo 3



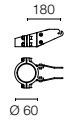
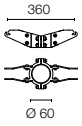
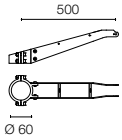
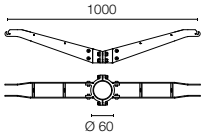

## Perseo 3: Accessories / Accesorios

| | | | | |
|---|---|---|---|---|
| Wall Washer Visor | Reflector Wall Washer | FA16530 | |   |
| Anti vandal louvre | Tapa exterior antivandalismo | FA16630 | |   |

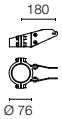
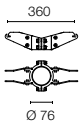
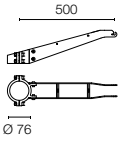
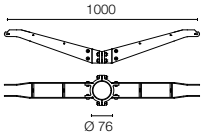
## Perseo 3: Accessories / Accesorios

| | | | | |
|---|---|---|---|---|
| Base plate with bolt. | Placa con tirafondos. | FA182 | |   |
| Base plate with bolt. | Placa con tirafondos. | FA116 | |   |
| Wall bracket 620mm. | Brazo 620 mm. | ○ FA8801<br>● FA8806<br>● FA8812<br>● FA8818<br>● FA8830<br>● FA8833 | |   |
| Surge protection device. 275Vac. Maximum discharge current 10KA (8/20µs). Maximum operating current 5A. Suitable for series connection. IP66. | Dispositivo de protección contra sobrecargas. 275 Vac. Corriente de descarga máxima 10KA (8/20µs). Corriente máxima de funcionamiento 5A. Apta para conexión en serie. IP66. | F990E00A000 | |   |

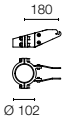
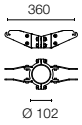
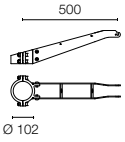
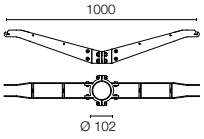
## Perseo 3 Ø 60mm

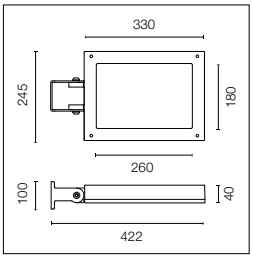
| | | | | |
|---|---|---|---|---|
| Single bracket 180mm.<br>For pole Ø 60mm. | Brazo individual 180 mm.<br>Para soporte Ø 60mm. | ● FA22506<br>● FA22533 | |   |
| Double bracket 180mm.<br>For pole Ø 60mm. | Brazo doble 180 mm.<br>Para soporte Ø 60mm. | ● FA22606<br>● FA22633 | |   |
| Single bracket 500mm.<br>For pole Ø 60mm. | Brazo individual 500mm.<br>Para soporte Ø 60mm. | ● FA22706<br>● FA22733 | |   |
| Double bracket 500mm.<br>For pole Ø 60mm. | Brazo doble 500mm.<br>Para soporte Ø 60mm. | ● FA22806<br>● FA22833 | |   |

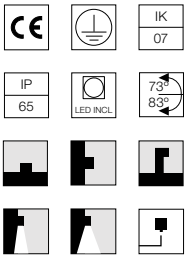
## Perseo 3 Ø 76mm

| | | | | |
|---|---|---|---|---|
| Single bracket 180mm.<br>For pole Ø 76mm. | Brazo individual 180 mm.<br>Para soporte Ø 76mm. | ● FA22906<br>● FA22933 | |  |
| Double bracket 180mm.<br>For pole Ø 76mm. | Brazo doble 180 mm.<br>Para soporte Ø 76mm. | ● FA23006<br>● FA23033 | |  |
| Single bracket 500mm.<br>For pole Ø 76mm. | Brazo individual 500mm.<br>Para soporte Ø 76mm. | ● FA23106<br>● FA23133 | |  |
| Double bracket 500mm.<br>For pole Ø 76mm. | Brazo doble 500mm.<br>Para soporte Ø 76mm. | ● FA23206<br>● FA23233 | |  |

## Perseo 3 Ø 102mm

| | | | | |
|---|---|---|---|---|
| Single bracket 180mm.<br>For pole Ø 102mm. | Brazo individual 180 mm.<br>Para soporte Ø 102mm. | ● FA22106<br>● FA22133 | |  |
| Double bracket 180mm.<br>For pole Ø 102mm. | Brazo doble 180 mm.<br>Para soporte Ø 102mm. | ● FA22206<br>● FA22233 | |  |
| Single bracket 500mm.<br>For pole Ø 102mm. | Brazo individual 500mm.<br>Para soporte Ø 102mm. | ● FA22306<br>● FA22333 | |  |
| Double bracket 500mm.<br>For pole Ø 102mm. | Brazo doble 500mm.<br>Para soporte Ø 102mm. | ● FA22406<br>● FA22433 | |  |




LED source included. Integrated power supply 220-240V. Graduated fixing bracket included. Equipped with a M20x1.5 cable guide (for 7mm<ø<13mm cables) and IP68 connector. To ensure the tightness of the cable guide it's recommended to use flexible electric cables suitable for exterior use. Optional accessories: protruding arm for walls; feet and arms to install the luminaire on a mast; wall-washer visor and anti-vandalism protection lid. Extraclear transparent glass.

2200K available on request.

Fuente LED incluida. Fuente de alimentación eléctrica 220-240V. Brida de fijación graduada incluida. Dotada de pasacable de metal M20x1,5 (para cables 7mm<ø<13mm). Para garantizar la estanqueidad del pasacable se aconseja usar cables eléctricos flexibles y específicos para exteriores. Accesorios opcionales: brazo sobresaliente para paredes; pies y brazos para su instalación como mástil; visor wall-washer y tapa protectora antivandalismo. Vidrio transparente extraclaro.

2200K disponible bajo pedido.

### Optic Spot 11º

**Power Led:** 53W - 5859 lm ≠ OUTPUT 3989 lm - 2700K/CRI 80 - 220-240V / 53W - 6363 lm ≠ OUTPUT 4332 lm - 3000K/CRI 80 - 220-240V / 53W - 6657 lm ≠ OUTPUT 4533 lm - 4000K/CRI 80 - 220-240V

**2700K**

Non Dimmable
- FA52516001
- FA52516006
- FA52516012
- FA52516018
- FA52516030
- FA52516033

1-10V
- FA52516001-310
- FA52516006-310
- FA52516012-310
- FA52516018-310
- FA52516030-310
- FA52516033-310

Dali
- FA52516001-300
- FA52516006-300
- FA52516012-300
- FA52516018-300
- FA52516030-300
- FA52516033-300

**3000K**

Non Dimmable
- FA52513301
- FA52513306
- FA52513312
- FA52513318
- FA52513330
- FA52513333

1-10V
- FA52513301-310
- FA52513306-310
- FA52513312-310
- FA52513318-310
- FA52513330-310
- FA52513333-310

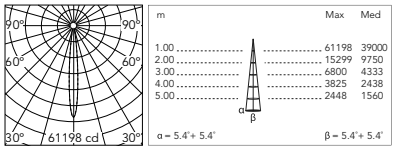
Dali
- FA52513301-300
- FA52513306-300
- FA52513312-300
- FA52513318-300
- FA52513330-300
- FA52513333-300

**4000K**

Non Dimmable
- FA52513201
- FA52513206
- FA52513212
- FA52513218
- FA52513230
- FA52513233

1-10V
- FA52513201-310
- FA52513206-310
- FA52513212-310
- FA52513218-310
- FA52513230-310
- FA52513233-310

Dali
- FA52513201-300
- FA52513206-300
- FA52513212-300
- FA52513218-300
- FA52513230-300
- FA52513233-300




@ 4000K

### Optic Medium 34º

**Power Led:** 53W - 5859 lm ≠ OUTPUT 4056 lm - 2700K/CRI 80 - 220-240V / 53W - 6363 lm ≠ OUTPUT 4405 lm - 3000K/CRI 80 - 220-240V / 53W - 6657 lm ≠ OUTPUT 4609 lm - 4000K/CRI 80 - 220-240V

**2700K**

Non Dimmable
- FA52516201
- FA52516206
- FA52516212
- FA52516218
- FA52516230
- FA52516233

1-10V
- FA52516201-310
- FA52516206-310
- FA52516212-310
- FA52516218-310
- FA52516230-310
- FA52516233-310

Dali
- FA52516201-300
- FA52516206-300
- FA52516212-300
- FA52516218-300
- FA52516230-300
- FA52516233-300

**3000K**

Non Dimmable
- FA52512301
- FA52512306
- FA52512312
- FA52512318
- FA52512330
- FA52512333

1-10V
- FA52512301-310
- FA52512306-310
- FA52512312-310
- FA52512318-310
- FA52512330-310
- FA52512333-310

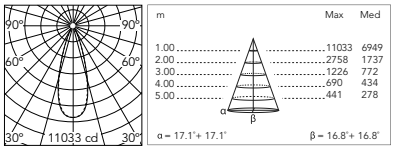
Dali
- FA52512301-300
- FA52512306-300
- FA52512312-300
- FA52512318-300
- FA52512330-300
- FA52512333-300

**4000K**

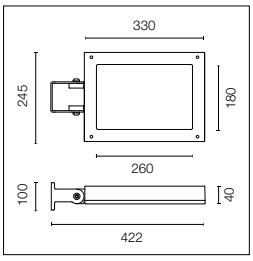
Non Dimmable
- FA52512201
- FA52512206
- FA52512212
- FA52512218
- FA52512230
- FA52512233

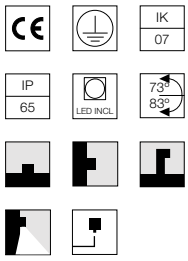
1-10V
- FA52512201-310
- FA52512206-310
- FA52512212-310
- FA52512218-310
- FA52512230-310
- FA52512233-310

Dali
- FA52512201-300
- FA52512206-300
- FA52512212-300
- FA52512218-300
- FA52512230-300
- FA52512233-300




@ 4000K




LED source included. Integrated power supply 220-240V ON-OFF and dimmable 1-10V or DALI. Graduated fixing bracket included. Equipped with a M20x1.5 cable guide (for 7mm<ø<13mm cables) and IP68 connector. To ensure the tightness of the cable guide it's recommended to use flexible electric cables suitable for exterior use. Optional accessories: protruding arm for walls; feet and arms to install the luminaire on a mast; wall-washer visor and anti-vandalism protection lid. Extraclear transparent glass.

2200K available on request.

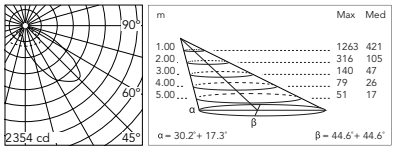
Fuente LED incluida. Fuente de alimentación eléctrica 220-240V ON-OFF e intensidad regulable entre 1 y 10V o DALI integrada. Brida de fijación graduada incluida. Dotada de pasacable de metal M20x1,5 (para cables 7mm<ø<13mm). Para garantizar la estanqueidad del pasacable se aconseja usar cables eléctricos flexibles y específicos para exteriores. Accesorios opcionales: brazo sobresaliente para paredes; pies y brazos para su instalación como mástil; visor wall-washer y tapa protectora antivandalismo. Vidrio transparente extraclaro.

2200K disponible bajo pedido.

### Asymmetric Optic

**Power Led:** 53W - 5859 lm ≠ OUTPUT 3085 lm - 2700K/CRI 80 - 220-240V / 53W - 6363 lm ≠ OUTPUT 3350 lm - 3000K/CRI 80 - 220-240V / 53W - 6657 lm ≠ OUTPUT 3505 lm - 4000K/CRI 80 - 220-240V

| 2700K | 3000K | 4000K |
|---|---|---|
| Non Dimmable | Non Dimmable | Non Dimmable |
| ○ FA52516401 | ○ FA52510301 | ○ FA52510201 |
| ● FA52516406 | ● FA52510306 | ● FA52510206 |
| ● FA52516412 | ● FA52510312 | ● FA52510212 |
| ● FA52516418 | ● FA52510318 | ● FA52510218 |
| ● FA52516430 | ● FA52510330 | ● FA52510230 |
| ● FA52516433 | ● FA52510333 | ● FA52510233 |
| 1-10V | 1-10V | 1-10V |
| ○ FA52516401-310 | ○ FA52510301-310 | ○ FA52510201-310 |
| ● FA52516406-310 | ● FA52510306-310 | ● FA52510206-310 |
| ● FA52516412-310 | ● FA52510312-310 | ● FA52510212-310 |
| ● FA52516418-310 | ● FA52510318-310 | ● FA52510218-310 |
| ● FA52516430-310 | ● FA52510330-310 | ● FA52510230-310 |
| ● FA52516433-310 | ● FA52510333-310 | ● FA52510233-310 |
| Dali | Dali | Dali |
| ○ FA52516401-300 | ○ FA52510301-300 | ○ FA52510201-300 |
| ● FA52516406-300 | ● FA52510306-300 | ● FA52510206-300 |
| ● FA52516412-300 | ● FA52510312-300 | ● FA52510212-300 |
| ● FA52516418-300 | ● FA52510318-300 | ● FA52510218-300 |
| ● FA52516430-300 | ● FA52510330-300 | ● FA52510230-300 |
| ● FA52516433-300 | ● FA52510333-300 | ● FA52510233-300 |

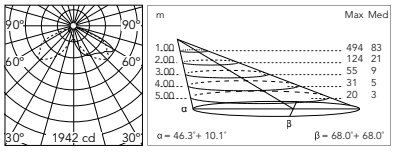



@ 4000K

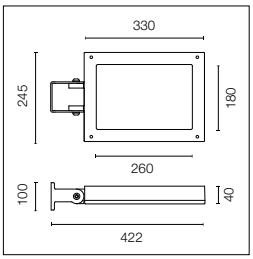
### Street Light 120°

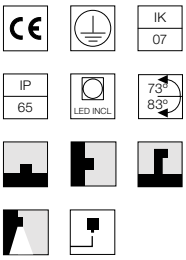
**Power Led:** 53W - 5859 lm ≠ OUTPUT 2609 lm - 2700K/CRI 80 - 220-240V / 53W - 6363 lm ≠ OUTPUT 2834 lm - 3000K/CRI 80 - 220-240V / 53W - 6657 lm ≠ OUTPUT 2965 lm - 4000K/CRI 80 - 220-240V

| 2700K | 3000K | 4000K |
|---|---|---|
| Non Dimmable | Non Dimmable | Non Dimmable |
| ○ FA52516601 | ○ FA52511301 | ○ FA52511201 |
| ● FA52516606 | ● FA52511306 | ● FA52511206 |
| ● FA52516612 | ● FA52511312 | ● FA52511212 |
| ● FA52516618 | ● FA52511318 | ● FA52511218 |
| ● FA52516630 | ● FA52511330 | ● FA52511230 |
| ● FA52516633 | ● FA52511333 | ● FA52511233 |
| 1-10V | 1-10V | 1-10V |
| ○ FA52516601-310 | ○ FA52511301-310 | ○ FA52511201-310 |
| ● FA52516606-310 | ● FA52511306-310 | ● FA52511206-310 |
| ● FA52516612-310 | ● FA52511312-310 | ● FA52511212-310 |
| ● FA52516618-310 | ● FA52511318-310 | ● FA52511218-310 |
| ● FA52516630-310 | ● FA52511330-310 | ● FA52511230-310 |
| ● FA52516633-310 | ● FA52511333-310 | ● FA52511233-310 |
| Dali | Dali | Dali |
| ○ FA52516601-300 | ○ FA52511301-300 | ○ FA52511201-300 |
| ● FA52516606-300 | ● FA52511306-300 | ● FA52511206-300 |
| ● FA52516612-300 | ● FA52511312-300 | ● FA52511212-300 |
| ● FA52516618-300 | ● FA52511318-300 | ● FA52511218-300 |
| ● FA52516630-300 | ● FA52511330-300 | ● FA52511230-300 |
| ● FA52516633-300 | ● FA52511333-300 | ● FA52511233-300 |




@ 4000K




LED source included. Integrated power supply 220-240V. Graduated fixing bracket included. Equipped with a M20x1.5 cable guide (for 7mm<ø<13mm cables) and IP68 connector. To ensure the tightness of the cable guide it's recommended to use flexible electric cables suitable for exterior use. Optional accessories: protruding arm for walls; feet and arms to install the luminaire on a mast; wall-washer visor and anti-vandalism protection lid. Extraclear transparent glass.

Fuente LED incluida. Fuente de alimentación eléctrica 220-240V. Brida de fijación graduada incluida. Dotada de pasacable de metal M20x1,5 (para cables 7mm<ø<13mm). Para garantizar la estanqueidad del pasacable se aconseja usar cables eléctricos flexibles y específicos para exteriores. Accesorios opcionales: brazo sobresaliente para paredes; pies y brazos para su instalación como mástil; visor wall-washer y tapa protectora antivandalismo. Vidrio transparente extraclaro.

**Wiring diagram and installation scheme RGB.**

See Wiring Diagram n.8 Page 879.

**Esquema eléctrico e instalación sistema RGB.**

Ver Esquema Eléctrico n.8 Página 879.

**Optic Medium 40º**

**RGB Power Led:** 35W - 220-240V with DMX interface.

**RGB**

- ○ FA52512401
- ● FA52512406
- ● FA52512412
- ● FA52512418
- ● FA52512430
- ● FA52512433

## Perseo 4 LED / Ø 76mm - Poles

With Base and Access Door.
With Terminal Block 4x1,5-16mmq.

Con base y con caja de conexión registrable.
With Terminal Block 4x1,5-16mmq.

**H 3500mm**

- FA24806
- FA24833

**H 4500mm**

- FA24906
- FA24933

In-Ground (+500 mm Root) With Access Door
With Terminal Block 4x1,5-16mmq

Empotrable (+500 mm por debajo del nivel del suelo) With Access Door
With Terminal Block 4x1,5-16mmq

**H 3500mm**

- FA25006
- FA25033

**H 4500mm**

- FA25106
- FA25133

## Perseo 4 LED / Ø 102mm - Poles

With Base and Access Door.
With Terminal Block 4x1,5-16mmq.

Con base y con caja de conexión registrable.
With Terminal Block 4x1,5-16mmq.

**H 4000mm**

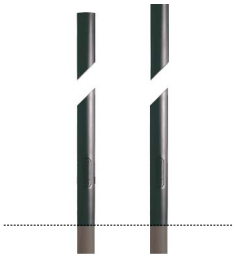
- FA414006
- FA414033

**H 5000mm**

- FA415006
- FA415033

In-Ground (+500 mm Root) With Access Door
With Terminal Block 4x1,5-16mmq

Empotrable (+500 mm por debajo del nivel del suelo) With Access Door
With Terminal Block 4x1,5-16mmq



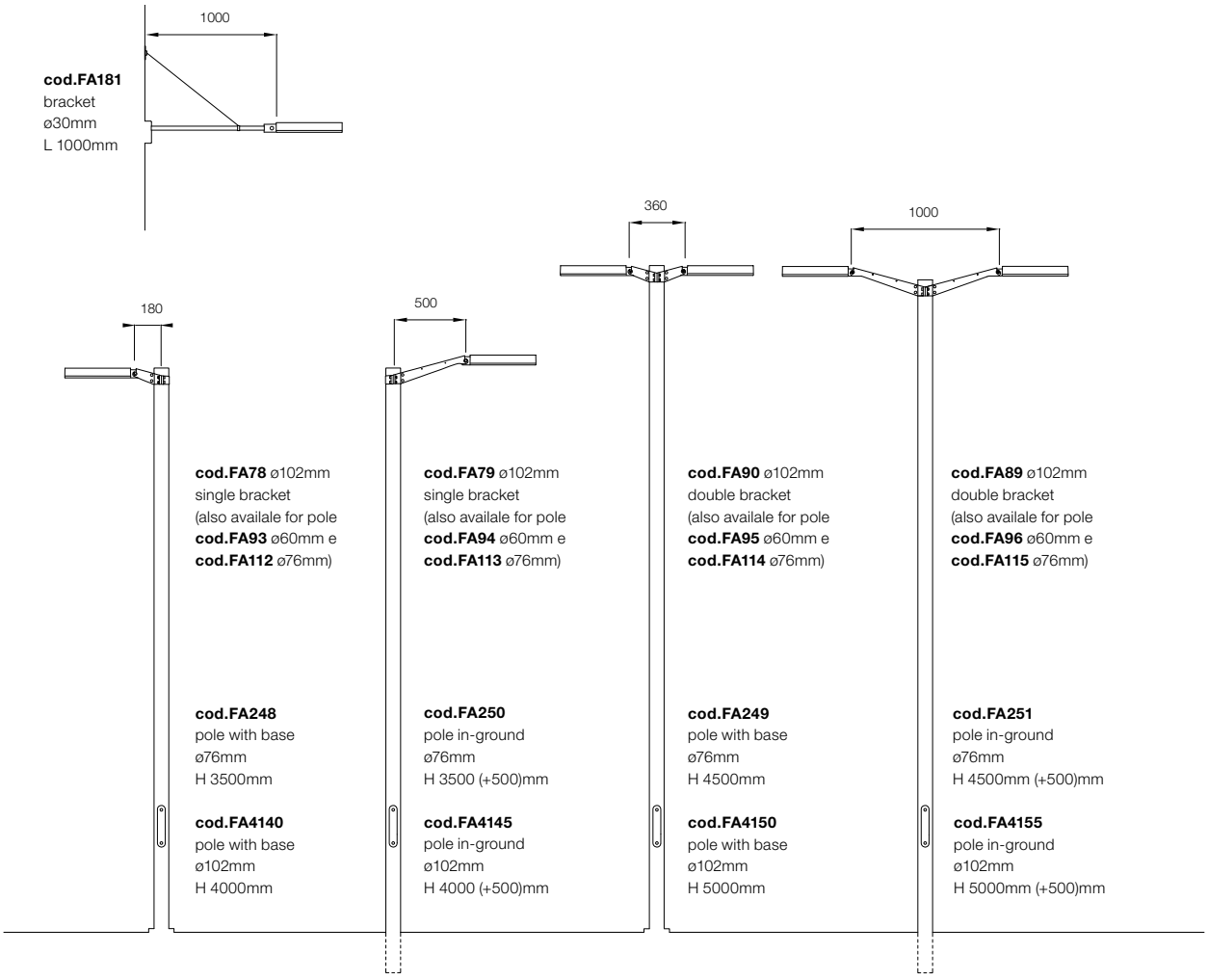
**H 4000mm**

- FA414506
- FA414533

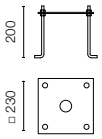
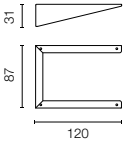
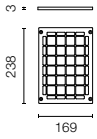
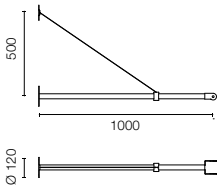
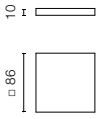
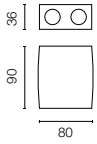
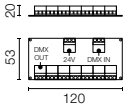
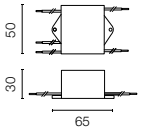
**H 5000mm**

- FA415506
- FA415533

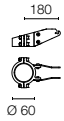
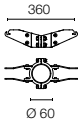
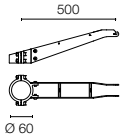
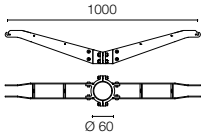
## Installation scheme: Perseo 4



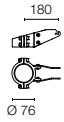
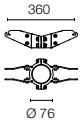
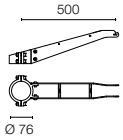
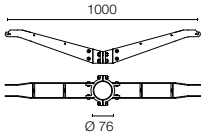
## Perseo 4: Accessories / Accesorios

| | | | | |
|---|---|---|---|---|
| Base plate with bolt. | Placa con tirafondos. | FA116 | |   |
| Wall Washer Visor | Reflector Wall Washer | FA16730 | |   |
| Anti vandal louvre | Tapa exterior antivandalismo | FA16830 | |   |
| Wall Bracket 1000mm. | Brazo1000mm. | ○ FA18101<br>● FA18106<br>● FA18112<br>● FA18118<br>● FA18130<br>● FA18133 | |   |
| DMX controller; dimmer switch for recessed box (60mm hole centres). | Controlador DMX para cajas empotrables. (60 mm distancia entre agujeros). | RGB version<br>F990B10A000 | |   |
| DMX controller; stand-alone/pc interface. | Controlador DMX. Interfaz stand/alone pc.. | RGB version<br>F990B11A000 | |   |
| DMX splitter 512 - electronic device to regenerate the monodirectional DMX signal 1 Input and 7 output, 12-24Vdc. Power supply not included. | DMX splitter 512- dispositivo electrónico para regenerar la señal DMX monodireccional. 1 entrada y 7 salidas , 12-24 Vdc. Fuente de alimentación no incluida. | RGB version<br>F990B13A000 | |   |
| DMX cable - shielded twisted pair with 110 Ohm constant impedance. | Cable DMX apantallado con impedancia constante de 110 Ohm. | RGB version<br>F990B12A000 | | |
| Surge protection device. 275Vac. Maximum discharge current 10KA (8/20µs). Maximum operating current 5A. Suitable for series connection. IP66. | Dispositivo de protección contra sobrecargas. 275 Vac. Corriente de descarga máxima 10KA (8/20µs). Corriente máxima de funcionamiento 5A. Apta para conexión en serie. IP66. | F990E00A000 | |   |

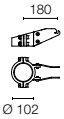
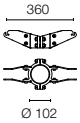
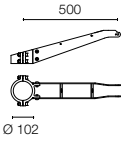
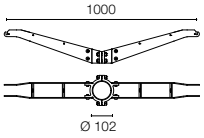
## Perseo 4 Ø 60mm

| | | | | |
|---|---|---|---|---|
| Single bracket 180mm.<br>For pole Ø 60mm. | Brazo individual 180 mm.<br>Para soporte Ø 60mm. | ● FA9306<br>● FA9333 | |  |
| Double bracket 180mm.<br>For pole Ø 60mm. | Brazo doble 180 mm.<br>Para soporte Ø 60mm. | ● FA9506<br>● FA9533 | |  |
| Single bracket 500mm.<br>For pole Ø 60mm. | Brazo individual 500mm.<br>Para soporte Ø 60mm. | ● FA9406<br>● FA9433 | |  |
| Double bracket 500mm.<br>For pole Ø 60mm. | Brazo doble 500mm.<br>Para soporte Ø 60mm. | ● FA9606<br>● FA9633 | |  |

## Perseo 4 Ø 76mm

| | | | | |
|---|---|---|---|---|
| Single bracket 180mm.<br>For pole Ø 76mm. | Brazo individual 180 mm.<br>Para soporte Ø 76mm. | ● FA11206<br>● FA11233 | |  |
| Double bracket 180mm.<br>For pole Ø 76mm. | Brazo doble 180 mm.<br>Para soporte Ø 76mm. | ● FA11406<br>● FA11433 | |  |
| Single bracket 500mm.<br>For pole Ø 76mm. | Brazo individual 500mm.<br>Para soporte Ø 76mm. | ● FA11306<br>● FA11333 | |  |
| Double bracket 500mm.<br>For pole Ø 76mm. | Brazo doble 500mm.<br>Para soporte Ø 76mm. | ● FA11506<br>● FA11533 | |  |

## Perseo 4 Ø 102mm

| | | | | |
|---|---|---|---|---|
| Single bracket 180mm.<br>For pole Ø 102mm. | Brazo individual 180 mm.<br>Para soporte Ø 102mm. | ● FA7806<br>● FA7833 | |  |
| Double bracket 180mm.<br>For pole Ø 102mm. | Brazo doble 180 mm.<br>Para soporte Ø 102mm. | ● FA9006<br>● FA9033 | |  |
| Single bracket 500mm.<br>For pole Ø 102mm. | Brazo individual 500mm.<br>Para soporte Ø 102mm. | ● FA7906<br>● FA7933 | |  |
| Double bracket 500mm.<br>For pole Ø 102mm. | Brazo doble 500mm.<br>Para soporte Ø 102mm. | ● FA8906<br>● FA8933 | |  |

## Dooku

Dooku

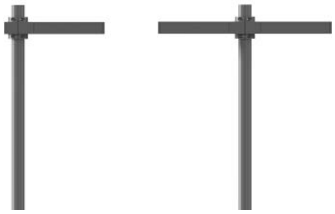
## Family / Familia

### Dooku 400 Wall



**Power Led**
up to 39W
up to 2946 lm - 2700K/CRI 80
up to 3168 lm - 3000K/CRI 80
up to 3374 lm - 4000K/CRI 80
* Net lumen output
2200K available on request.

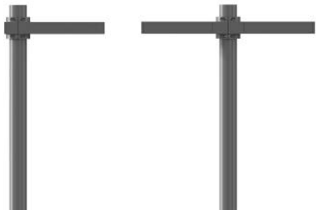
### Dooku 400 Pole/Double Pole Ø76



**Power Led**
up to 39W
up to 3389 lm - 2700K/CRI 80
up to 3631 lm - 3000K/CRI 80
up to 3752 lm - 4000K/CRI 80
* Net lumen output
2200K available on request.

**Power Led**
up to 2x39W
up to 2x3389 lm - 2700K/CRI 80
up to 2x3631 lm - 3000K/CRI 80
up to 2x3752 lm - 4000K/CRI 80
* Net lumen output
2200K available on request.

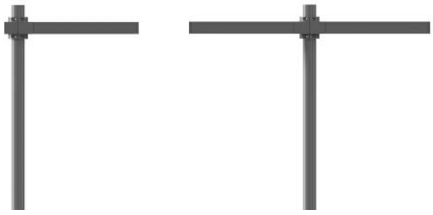
### Dooku 400 Pole/Double Pole Ø102



**Power Led**
up to 39W
up to 3389 lm - 2700K/CRI 80
up to 3631 lm - 3000K/CRI 80
up to 3752 lm - 4000K/CRI 80
* Net lumen output
2200K available on request.

**Power Led**
up to 2x39W
up to 2x3389 lm - 2700K/CRI 80
up to 2x3631 lm - 3000K/CRI 80
up to 2x3752 lm - 4000K/CRI 80
* Net lumen output
2200K available on request.

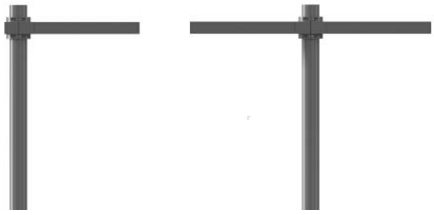
### Dooku 600 Pole/Double Pole Ø76



**Power Led**
up to 78W
up to 6779 lm - 2700K/CRI 80
up to 7263 lm - 3000K/CRI 80
up to 7505 lm - 4000K/CRI 80
* Net lumen output
2200K available on request.

**Power Led**
up to 2x78W
up to 2x6779 lm - 2700K/CRI 80
up to 2x7263 lm - 3000K/CRI 80
up to 2x7505 lm - 4000K/CRI 80
* Net lumen output
2200K available on request.

### Dooku 600 Pole/Double Pole Ø102



**Power Led**
up to 78W
up to 6779 lm - 2700K/CRI 80
up to 7263 lm - 3000K/CRI 80
up to 7505 lm - 4000K/CRI 80
* Net lumen output
2200K available on request.

**Power Led**
up to 2x78W
up to 2x6779 lm - 2700K/CRI 80
up to 2x7263 lm - 3000K/CRI 80
up to 2x7505 lm - 4000K/CRI 80
* Net lumen output
2200K available on request.

## Colours / Colores

06 Grey

33 Anthracite

## Description / Descripción

Complete family of tiltable projection luminaires with LED source for wall mounting and installation on masts. Available in two lengths and with different optics for every dimension, including optics for urban uses. Extruded EN AB-47100 die cast aluminum body and closing parts (with low copper content). Extraclear glass diffuser with silkscreen edge, attached with a robotic gluing system. Available in different finishes, with double-layered powder coating and chemical conversion surface treatment to ensure high corrosion resistance. Equipped with a neoprene cable section and IP68 connector to guarantee an easy, safe, and watertight connection.

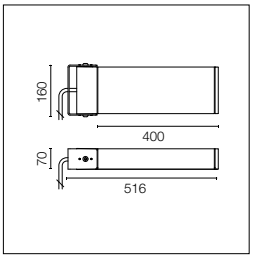
**Dooku 400 Wall**
Tiltable projection luminaires for wall mounting. Available with two beam angles: symmetrical and asymmetrical for public, private, and urban areas, open spaces, or parking lots. Equipped with a neoprene cable section and IP68 connector to guarantee an easy, safe, and watertight connection. The zinc fixing bracket allows for a tilting of approx. 90º on the vertical axis.

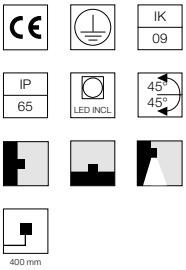
**Dooku 400 / 600 Top Pole**
Mast luminaires for mounting on poles. Available in two lengths, with different output and four beam angles: symmetrical, asymmetrical, urban standard beam and a specific urban beam for pedestrian and bicycle lanes in urban contexts. Equipped with a neoprene cable section and IP68 connectors to guarantee an easy, safe, and watertight connection. Completed with a series of cylinder posts in different diameters and heights that can be ground recessed or fixed with an anchor plate and lag screws.

Familia completa de luminarias de proyección con fuente LED, diseñadas para instalación en pared y en poste como mástil. Disponibles en dos longitudes y en varias ópticas por cada dimensión, incluidas las ópticas específicas para el contexto urbano. Cuerpo de aluminio extruido y partes del cierre de aluminio fundido a presión EN AB-47100 (con bajo contenido en cobre). Difusor de vidrio extraclaro con borde serigrafiado, fijado mediante un sistema de encolado robótico. Disponibles en diferentes acabados, con recubrimiento de polvo de doble capa y tratamiento superficial de conversión química para garantizar una elevada resistencia ante la corrosión. Disponen de sección de cable en neopreno y conector IP68 que garantizan un cableado fácil, seguro y estanco.

**Dooku 400 Wall**
Luminarias de proyección orientable, diseñadas para instalación en pared. Disponibles en dos haces de apertura: simétrica y asimétrica para áreas públicas y privadas, urbanas, espacios abiertos, aparcamientos. Dotadas de sección de cable en neopreno y conectores IP68 que garantizan un cableado fácil, seguro y estanco. La brida de fijación zincada permite una orientación de aproximadamente 90º en el eje vertical.

**Dooku 400 / 600 Top Pole**
Luminarias mástil, diseñadas para instalación sobre poste. Disponibles en dos longitudes, con diferentes potencias y cuatro haces de apertura: simétrico, asimétrico, haz urbano estándar y haz urbano específico para los recorridos ciclo-peatonales en contexto urbano. Disponen de una sección de cable en neopreno y conectores IP68 que garantizan un cableado fácil, seguro y estanco. Completan la gama toda una serie de postes cilíndricos de diferentes diámetros y alturas, para empotrar o con plaqueta de anclaje y tirafondos.




LED source included. Integrated power supply 220-240V ON/OFF and dimmable 1-10V or DALI. Fixing bracket included. Equipped with a 400mm protruding neoprene cable section and IP68 connectors. Smart-City version available upon request.

2200K available on request.

Fuente LED incluida. Fuente de alimentación eléctrica 220-240V ON/OFF e intensidad regulable 1-10V o DALI integrada. Brida de fijación incluida. Dotada de una sección de cable de neopreno que sobresale 400 mm y conectores IP68.
Versión Smart-City disponible bajo pedido.

2200K disponible bajo pedido.

**Optic 120° (Wide Spaces - Public Areas - Parking Areas)**

**Power Led:** 39W - 4122 lm ≠ OUTPUT 3389 lm - 2700K/CRI 80 - 220÷240V / 39W - 4416 lm ≠ OUTPUT 3631 lm - 3000K/CRI 80 - 220÷240V / 39W - 4563 lm ≠ OUTPUT 3752 lm - 4000K/CRI 80 - 220÷240V

**2700K**

Non Dimmable
- FA53907606
- FA53907633

1-10V
- FA53907606-310
- FA53907633-310

Dali
- FA53907606-300
- FA53907633-300

**3000K**

Non Dimmable
- FA53907506
- FA53907533

1-10V
- FA53907506-310
- FA53907533-310

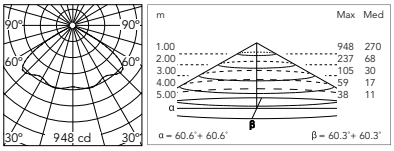
Dali
- FA53907506-300
- FA53907533-300

**4000K**

Non Dimmable
- FA53907406
- FA53907433

1-10V
- FA53907406-310
- FA53907433-310

Dali
- FA53907406-300
- FA53907433-300




@ 3000K

**Asymmetric Optic**

**Power Led:** 39W - 4122 lm ≠ OUTPUT 3173 lm - 2700K/CRI 80 - 220÷240V / 39W - 4416 lm ≠ OUTPUT 3400 lm - 3000K/CRI 80 - 220÷240V / 39W - 4563 lm ≠ OUTPUT 3513 lm - 4000K/CRI 80 - 220÷240V

**2700K**

Non Dimmable
- FA53913006
- FA53913033

1-10V
- FA53913006-310
- FA53913033-310

Dali
- FA53913006-300
- FA53913033-300

**3000K**

Non Dimmable
- FA53914806
- FA53914833

1-10V
- FA53914806-310
- FA53914833-310

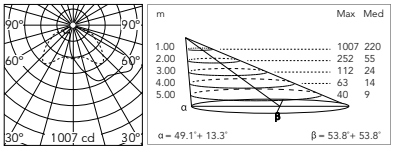
Dali
- FA53914806-300
- FA53914833-300

**4000K**

Non Dimmable
- FA53916606
- FA53916633

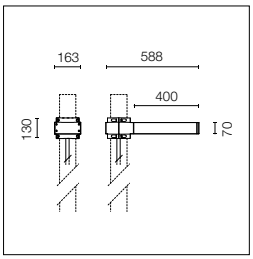
1-10V
- FA53916606-310
- FA53916633-310

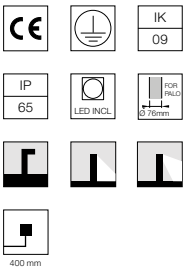
Dali
- FA53916606-300
- FA53916633-300




@ 3000K

# Dooku 400 - Single Top Pole ø76




LED source included. Integrated power supply 220-240V ON/OFF and dimmable 1-10V or DALI. Fixing bracket included. Equipped with a 400mm protruding neoprene cable section and IP68 connectors. Single socket for 76mm diameter post. The post must be ordered separately.
Smart-City version available upon request.

2200K available on request.

Fuente LED incluida. Fuente de alimentación eléctrica 220-240V ON/OFF e intensidad regulable 1-10V o DALI integrada. Brida de fijación incluida. Dotada de una sección de cable de neoprene que sobresale 400 mm y conectores IP68. Enchufe individual para postes de 76 mm de diámetro. El poste se debe pedir por separado. Versión Smart-City disponible bajo pedido.

2200K disponible bajo pedido.

### Optic 120° (Wide Spaces - Public Areas - Parking Areas)

**Power Led:** 39W - 4122 lm ≠ OUTPUT 3389 lm - 2700K/CRI 80 - 220÷240V / 39W - 4416 lm ≠ OUTPUT 3631 lm - 3000K/CRI 80 - 220÷240V / 39W - 4563 lm ≠ OUTPUT 3752 lm - 4000K/CRI 80 - 220÷240V

**2700K**

Non Dimmable
- FA53907806
- FA53907833

1-10V
- FA53907806-310
- FA53907833-310

Dali
- FA53907806-300
- FA53907833-300

**3000K**

Non Dimmable
- FA53903906
- FA53903933

1-10V
- FA53903906-310
- FA53903933-310

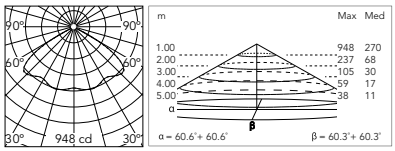
Dali
- FA53903906-300
- FA53903933-300

**4000K**

Non Dimmable
- FA53903806
- FA53903833

1-10V
- FA53903806-310
- FA53903833-310

Dali
- FA53903806-300
- FA53903833-300




@ 3000K

### Asymmetric Optic

**Power Led:** 39W - 4122 lm ≠ OUTPUT 3173 lm - 2700K/CRI 80 - 220÷240V / 39W - 4416 lm ≠ OUTPUT 3400 lm - 3000K/CRI 80 - 220÷240V / 39W - 4563 lm ≠ OUTPUT 3513 lm - 4000K/CRI 80 - 220÷240V

**2700K**

Non Dimmable
- FA53913206
- FA53913233

1-10V
- FA53913206-310
- FA53913233-310

Dali
- FA53913206-300
- FA53913233-300

**3000K**

Non Dimmable
- FA53915006
- FA53915033

1-10V
- FA53915006-310
- FA53915033-310

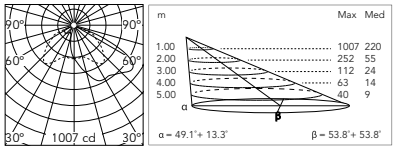
Dali
- FA53915006-300
- FA53915033-300

**4000K**

Non Dimmable
- FA53916806
- FA53916833

1-10V
- FA53916806-310
- FA53916833-310

Dali
- FA53916806-300
- FA53916833-300




@ 3000K

### Street Light Optic

**Power Led:** 39W - 4122 lm ≠ OUTPUT 3102 lm - 2700K/CRI 80 - 220÷240V / 39W - 4416 lm ≠ OUTPUT 3323 lm - 3000K/CRI 80 - 220÷240V / 39W - 4563 lm ≠ OUTPUT 3434 lm - 4000K/CRI 80 - 220÷240V

**2700K**

Non Dimmable
- FA53908006
- FA53908033

1-10V
- FA53908006-310
- FA53908033-310

Dali
- FA53908006-300
- FA53908033-300

**3000K**

Non Dimmable
- FA53904206
- FA53904233

1-10V
- FA53904206-310
- FA53904233-310

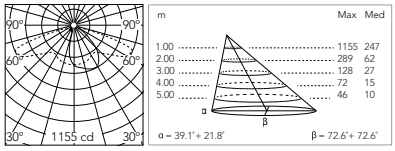
Dali
- FA53904206-300
- FA53904233-300

**4000K**

Non Dimmable
- FA53904106
- FA53904133

1-10V
- FA53904106-310
- FA53904133-310

Dali
- FA53904106-300
- FA53904133-300




@ 3000K

### Street Light Optic (Foot and Cycle Paths)

**Power Led:** 39W - 4122 lm ≠ OUTPUT 3130 lm - 2700K/CRI 80 - 220÷240V / 39W - 4416 lm ≠ OUTPUT 3354 lm - 3000K/CRI 80 - 220÷240V / 39W - 4563 lm ≠ OUTPUT 3466 lm - 4000K/CRI 80 - 220÷240V

**2700K**

Non Dimmable
- FA53908206
- FA53908233

1-10V
- FA53908206-310
- FA53908233-310

Dali
- FA53908206-300
- FA53908233-300

**3000K**

Non Dimmable
- FA53904506
- FA53904533

1-10V
- FA53904506-310
- FA53904533-310

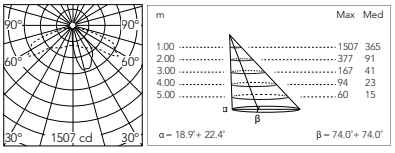
Dali
- FA53904506-300
- FA53904533-300

**4000K**

Non Dimmable
- FA53904406
- FA53904433

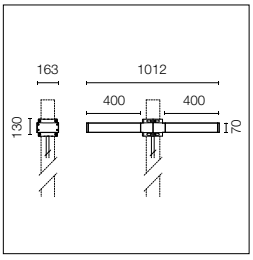
1-10V
- FA53904406-310
- FA53904433-310

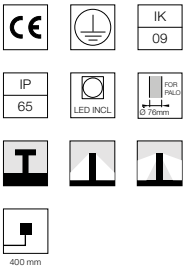
Dali
- FA53904406-300
- FA53904433-300




@ 3000K

# Dooku 400 - Double Top Pole ø76




LED source included. Integrated power supply 220-240V ON/OFF and dimmable 1-10V or DALI. Fixing bracket included. Equipped with a 400mm protruding neoprene cable section and IP68 connectors. Double socket for 76mm diameter post. The post must be ordered separately.Smart-City version available upon request.

Fuente LED incluida. Fuente de alimentación eléctrica 220-240V ON/OFF e intensidad regulable entre 1-10V o DALI integrada. Brida de fijación incluida. Dotada de una sección de cable de neopreno que sobresale 400 mm y conectores IP68. Enchufe doble para postes de 76 mm de diámetro. El poste se debe pedir por separado. Versión Smart-City disponible bajo pedido.

2200K available on request.

2200K disponible bajo pedido.

## Optic 120° (Wide Spaces - Public Areas - Parking Areas)

**Power Led:** 39W - 2x4122 lm ≠ OUTPUT 2x3389 lm - 2700K/CRI 80 - 220÷240V / 39W - 2x4416 lm ≠ OUTPUT 2x3631 lm - 3000K/CRI 80 - 220÷240V / 39W - 2x4563 lm ≠ OUTPUT 2x3752 lm - 4000K/CRI 80 - 220÷240V

**2700K**

Non Dimmable
- FA53908406
- FA53908433

1-10V
- FA53908406-310
- FA53908433-310

Dali
- FA53908406-300
- FA53908433-300

**3000K**

Non Dimmable
- FA53904806
- FA53904833

1-10V
- FA53904806-310
- FA53904833-310

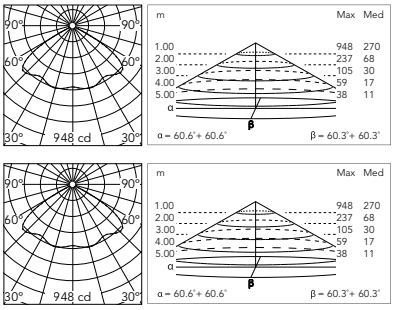
Dali
- FA53904806-300
- FA53904833-300

**4000K**

Non Dimmable
- FA53904706
- FA53904733

1-10V
- FA53904706-310
- FA53904733-310

Dali
- FA53904706-300
- FA53904733-300







@ 3000K

## Asymmetric Optic

**Power Led:** 39W - 2x4122 lm ≠ OUTPUT 2x3173 lm - 2700K/CRI 80 - 220÷240V / 39W - 2x4416 lm ≠ OUTPUT 2x3400 lm - 3000K/CRI 80 - 220÷240V / 39W - 2x4563 lm ≠ OUTPUT 2x3513 lm - 4000K/CRI 80 - 220÷240V

**2700K**

Non Dimmable
- FA53913406
- FA53913433

1-10V
- FA53913406-310
- FA53913433-310

Dali
- FA53913406-300
- FA53913433-300

**3000K**

Non Dimmable
- FA53915206
- FA53915233

1-10V
- FA53915206-310
- FA53915233-310

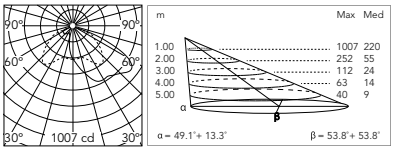
Dali
- FA53915206-300
- FA53915233-300

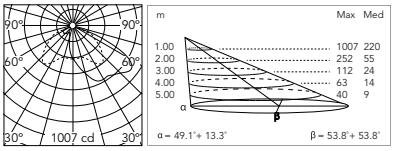
**4000K**

Non Dimmable
- FA53917006
- FA53917033

1-10V
- FA53917006-310
- FA53917033-310

Dali
- FA53917006-300
- FA53917033-300




@ 3000K

## Street Light Optic

**Power Led:** 39W - 2x4122 lm ≠ OUTPUT 2x3102 lm - 2700K/CRI 80 - 220÷240V / 39W - 2x4416 lm ≠ OUTPUT 2x3323 lm - 3000K/CRI 80 - 220÷240V / 39W - 2x4563 lm ≠ OUTPUT 2x3434 lm - 4000K/CRI 80 - 220÷240V

**2700K**

Non Dimmable
- FA53908606
- FA53908633

1-10V
- FA53908606-310
- FA53908633-310

Dali
- FA53908606-300
- FA53908633-300

**3000K**

Non Dimmable
- FA53905106
- FA53905133

1-10V
- FA53905106-310
- FA53905133-310

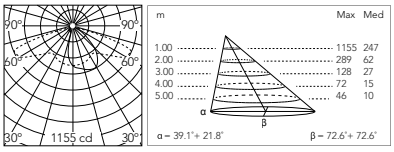
Dali
- FA53905106-300
- FA53905133-300

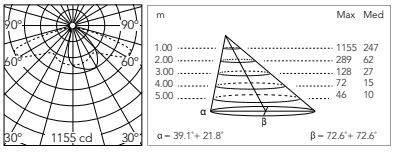
**4000K**

Non Dimmable
- FA53905006
- FA53905033

1-10V
- FA53905006-310
- FA53905033-310

Dali
- FA53905006-300
- FA53905033-300




@ 3000K

## Street Light Optic (Foot and Cycle Paths)

**Power Led:** 39W - 2x4122 lm ≠ OUTPUT 2x3130 lm - 2700K/CRI 80 - 220÷240V / 39W - 2x4416 lm ≠ OUTPUT 2x3354 lm - 3000K/CRI 80 - 220÷240V / 39W - 2x4563 lm ≠ OUTPUT 2x3466 lm - 4000K/CRI 80 - 220÷240V

**2700K**

Non Dimmable
- FA53908806
- FA53908833

1-10V
- FA53908806-310
- FA53908833-310

Dali
- FA53908806-300
- FA53908833-300

**3000K**

Non Dimmable
- FA53905406
- FA53905433

1-10V
- FA53905406-310
- FA53905433-310

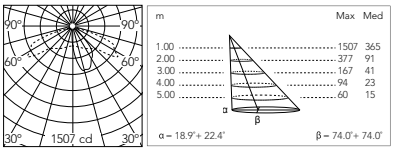
Dali
- FA53905406-300
- FA53905433-300

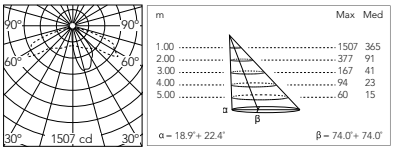
**4000K**

Non Dimmable
- FA53905306
- FA53905333

1-10V
- FA53905306-310
- FA53905333-310

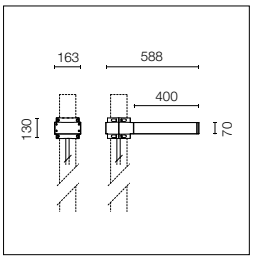
Dali
- FA53905306-300
- FA53905333-300

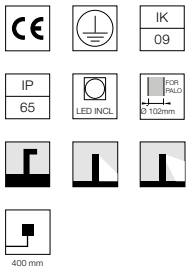



@ 3000K

# Dooku 400 - Single Top Pole ø102




LED source included. Integrated power supply 220-240V ON/OFF and dimmable 1-10V or DALI. Fixing bracket included. Equipped with a 400mm protruding neoprene cable section and IP68 connectors. Smart-City version available upon request.Single socket for 102mm diameter post. The post must be ordered separately.
Smart-City version available upon request.

2200K available on request.

Fuente LED incluida. Fuente de alimentación eléctrica 220-240V ON/OFF e intensidad regulable entre 1-10V o DALI integrada. Brida de fijación incluida. Dotada de una sección de cable de neopreno que sobresale 400 mm y conectores IP68. Enchufe individual para postes de 102mm de diámetro.
El poste se debe pedir por separado. Versión Smart-City disponible bajo pedido.

2200K disponible bajo pedido.

### Optic 120° (Wide Spaces - Public Areas - Parking Areas)

**Power Led:** 39W - 4122 lm ≠ OUTPUT 3389 lm - 2700K/CRI 80 - 220÷240V / 39W - 4416 lm ≠ OUTPUT 3631 lm - 3000K/CRI 80 - 220÷240V / 39W - 4563 lm ≠ OUTPUT 3752 lm - 4000K/CRI 80 - 220÷240V

**2700K**

Non Dimmable
- FA53909006
- FA53909033

1-10V
- FA53909006-310
- FA53909033-310

Dali
- FA53909006-300
- FA53909033-300

**3000K**

Non Dimmable
- FA53905706
- FA53905733

1-10V
- FA53905706-310
- FA53905733-310

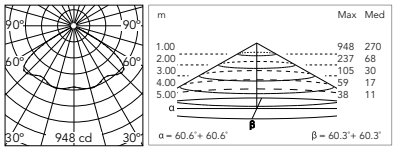
Dali
- FA53905706-300
- FA53905733-300

**4000K**

Non Dimmable
- FA53905606
- FA53905633

1-10V
- FA53905606-310
- FA53905633-310

Dali
- FA53905606-300
- FA53905633-300




@ 3000K

### Asymmetric Optic

**Power Led:** 39W - 4122 lm ≠ OUTPUT 3173 lm - 2700K/CRI 80 - 220÷240V / 39W - 4416 lm ≠ OUTPUT 3400 lm - 3000K/CRI 80 - 220÷240V / 39W - 4563 lm ≠ OUTPUT 3513 lm - 4000K/CRI 80 - 220÷240V

**2700K**

Non Dimmable
- FA53913606
- FA53913633

1-10V
- FA53913606-310
- FA53913633-310

Dali
- FA53913606-300
- FA53913633-300

**3000K**

Non Dimmable
- FA53915406
- FA53915433

1-10V
- FA53915406-310
- FA53915433-310

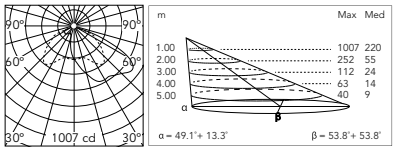
Dali
- FA53915406-300
- FA53915433-300

**4000K**

Non Dimmable
- FA53917206
- FA53917233

1-10V
- FA53917206-310
- FA53917233-310

Dali
- FA53917206-300
- FA53917233-300




@ 3000K

### Street Light Optic

**Power Led:** 39W - 4122 lm ≠ OUTPUT 3102 lm - 2700K/CRI 80 - 220÷240V / 39W - 4416 lm ≠ OUTPUT 3323 lm - 3000K/CRI 80 - 220÷240V / 39W - 4563 lm ≠ OUTPUT 3434 lm - 4000K/CRI 80 - 220÷240V

**2700K**

Non Dimmable
- FA53909206
- FA53909233

1-10V
- FA53909206-310
- FA53909233-310

Dali
- FA53909206-300
- FA53909233-300

**3000K**

Non Dimmable
- FA53906006
- FA53906033

1-10V
- FA53906006-310
- FA53906033-310

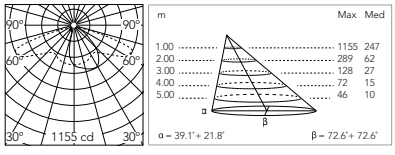
Dali
- FA53906006-300
- FA53906033-300

**4000K**

Non Dimmable
- FA53905906
- FA53905933

1-10V
- FA53905906-310
- FA53905933-310

Dali
- FA53905906-300
- FA53905933-300




@ 3000K

### Street Light Optic (Foot and Cycle Paths)

**Power Led:** 39W - 4122 lm ≠ OUTPUT 3130 lm - 2700K/CRI 80 - 220÷240V / 39W - 4416 lm ≠ OUTPUT 3354 lm - 3000K/CRI 80 - 220÷240V / 39W - 4563 lm ≠ OUTPUT 3466 lm - 4000K/CRI 80 - 220÷240V

**2700K**

Non Dimmable
- FA53909406
- FA53909433

1-10V
- FA53909406-310
- FA53909433-310

Dali
- FA53909406-300
- FA53909433-300

**3000K**

Non Dimmable
- FA53906306
- FA53906333

1-10V
- FA53906306-310
- FA53906333-310

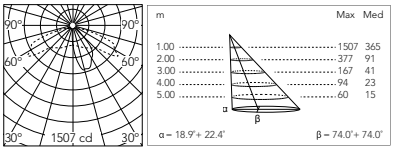
Dali
- FA53906306-300
- FA53906333-300

**4000K**

Non Dimmable
- FA53906206
- FA53906233

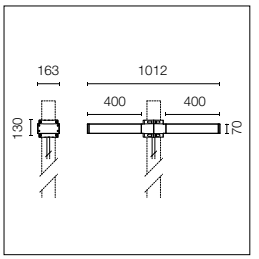
1-10V
- FA53906206-310
- FA53906233-310

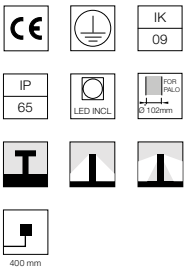
Dali
- FA53906206-300
- FA53906233-300




@ 3000K

# Dooku 400 - Double Top Pole ø102




LED source included. Integrated power supply 220-240V ON/OFF and dimmable 1-10V or DALI. Fixing bracket included. Equipped with a 400mm protruding neoprene cable section and IP68 connectors. Double socket for 102mm diameter post. The post must be ordered separately.Smart-City version available upon request.

2200K available on request.

Fuente LED incluida. Fuente de alimentación eléctrica 220-240V ON/OFF e intensidad regulable entre 1-10V o DALI integrada. Brida de fijación incluida. Dotada de una sección de cable de neopreno que sobresale 400 mm y conectores IP68. Enchufe doble para postes de 102 mm de diámetro. El poste se debe pedir por separado. Versión Smart-City disponible bajo pedido.

2200K disponible bajo pedido.

## Optic 120° (Wide Spaces - Public Areas - Parking Areas)

**Power Led:** 39W - 2x4122 lm ≠ OUTPUT 2x3389 lm - 2700K/CRI 80 - 220÷240V / 39W - 2x4416 lm ≠ OUTPUT 2x3631 lm - 3000K/CRI 80 - 220÷240V / 39W - 2x4563 lm ≠ OUTPUT 2x3752 lm - 4000K/CRI 80 - 220÷240V

**2700K**

Non Dimmable
- FA53909606
- FA53909633

1-10V
- FA53909606-310
- FA53909633-310

Dali
- FA53909606-300
- FA53909633-300

**3000K**

Non Dimmable
- FA53906606
- FA53906633

1-10V
- FA53906606-310
- FA53906633-310

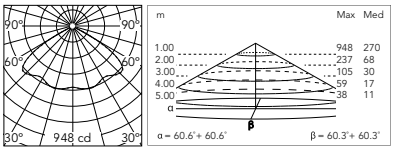
Dali
- FA53906606-300
- FA53906633-300

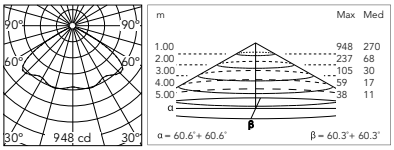
**4000K**

Non Dimmable
- FA53906506
- FA53906533

1-10V
- FA53906506-310
- FA53906533-310

Dali
- FA53906506-300
- FA53906533-300




@ 3000K

## Asymmetric Optic

**Power Led:** 39W - 2x4122 lm ≠ OUTPUT 2x3173 lm - 2700K/CRI 80 - 220÷240V / 39W - 2x4416 lm ≠ OUTPUT 2x3400 lm - 3000K/CRI 80 - 220÷240V / 39W - 2x4563 lm ≠ OUTPUT 2x3513 lm - 4000K/CRI 80 - 220÷240V

**2700K**

Non Dimmable
- FA53913806
- FA53913833

1-10V
- FA53913806-310
- FA53913833-310

Dali
- FA53913806-300
- FA53913833-300

**3000K**

Non Dimmable
- FA53915606
- FA53915633

1-10V
- FA53915606-310
- FA53915633-310

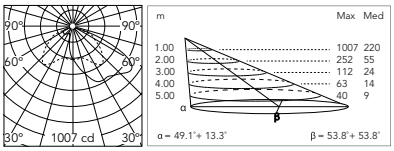
Dali
- FA53915606-300
- FA53915633-300

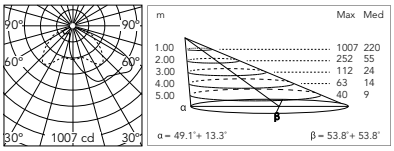
**4000K**

Non Dimmable
- FA53917406
- FA53917433

1-10V
- FA53917406-310
- FA53917433-310

Dali
- FA53917406-300
- FA53917433-300




@ 3000K

## Street Light Optic

**Power Led:** 39W - 2x4122 lm ≠ OUTPUT 2x3102 lm - 2700K/CRI 80 - 220÷240V / 39W - 2x4416 lm ≠ OUTPUT 2x3323 lm - 3000K/CRI 80 - 220÷240V / 39W - 2x4563 lm ≠ OUTPUT 2x3434 lm - 4000K/CRI 80 - 220÷240V

**2700K**

Non Dimmable
- FA53909806
- FA53909833

1-10V
- FA53909806-310
- FA53909833-310

Dali
- FA53909806-300
- FA53909833-300

**3000K**

Non Dimmable
- FA53906906
- FA53906933

1-10V
- FA53906906-310
- FA53906933-310

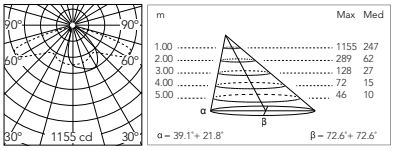
Dali
- FA53906906-300
- FA53906933-300

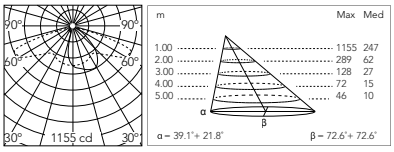
**4000K**

Non Dimmable
- FA53906806
- FA53906833

1-10V
- FA53906806-310
- FA53906833-310

Dali
- FA53906806-300
- FA53906833-300




@ 3000K

## Street Light Optic (Foot and Cycle Paths)

**Power Led:** 39W - 2x4122 lm ≠ OUTPUT 2x3130 lm - 2700K/CRI 80 - 220÷240V / 39W - 2x4416 lm ≠ OUTPUT 2x3354 lm - 3000K/CRI 80 - 220÷240V / 39W - 2x4563 lm ≠ OUTPUT 2x3466 lm - 4000K/CRI 80 - 220÷240V

**2700K**

Non Dimmable
- FA53910006
- FA53910033

1-10V
- FA53910006-310
- FA53910033-310

Dali
- FA53910006-300
- FA53910033-300

**3000K**

Non Dimmable
- FA53907206
- FA53907233

1-10V
- FA53907206-310
- FA53907233-310

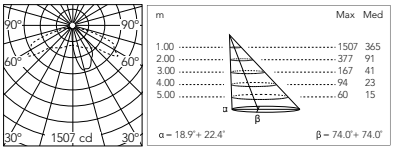
Dali
- FA53907206-300
- FA53907233-300

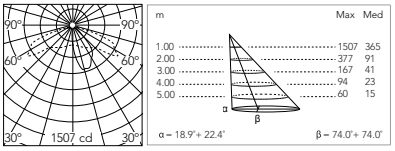
**4000K**

Non Dimmable
- FA53907106
- FA53907133

1-10V
- FA53907106-310
- FA53907133-310

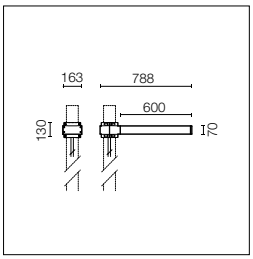
Dali
- FA53907106-300
- FA53907133-300

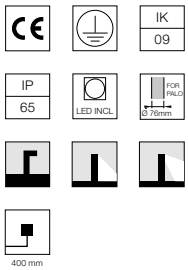



@ 3000K

# Dooku 600 - Single Top Pole ø76




LED source included. Integrated power supply 220-240V ON/OFF and dimmable 1-10V or DALI. Fixing bracket included. Equipped with a 400mm protruding neoprene cable section and IP68 connectors. Smart-City version available upon request.Single socket for 76mm diameter post. The post must be ordered separately.
Smart-City version available upon request.

2200K available on request.

Fuente LED incluida. Fuente de alimentación eléctrica 220-240V ON/OFF e intensidad regulable entre 1-10V o DALI integrada. Brida de fijación incluida. Dotada de una sección de cable de neopreno que sobresale 400 mm y conectores IP68. Enchufe individual para postes de 76mm de diámetro.
El poste se debe pedir por separado. Versión Smart-City disponible bajo pedido.

2200K disponible bajo pedido.

### Optic 120° (Wide Spaces - Public Areas - Parking Areas)

**Power Led:** 78W - 8243 lm ≠ OUTPUT 6779 lm - 2700K/CRI 80 - 220÷240V / 78W - 8832 lm ≠ OUTPUT 7263 lm - 3000K/CRI 80 - 220÷240V / 78W - 9126 lm ≠ OUTPUT 7505 lm - 4000K/CRI 80 - 220÷240V

**2700K**

Non Dimmable
- FA53910206
- FA53910233

1-10V
- FA53910206-310
- FA53910233-310

Dali
- FA53910206-300
- FA53910233-300

**3000K**

Non Dimmable
- FA53900306
- FA53900333

1-10V
- FA53900306-310
- FA53900333-310

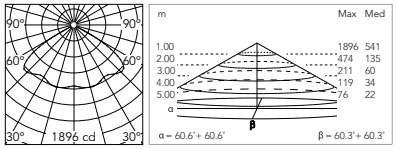
Dali
- FA53900306-300
- FA53900333-300

**4000K**

Non Dimmable
- FA53900206
- FA53900233

1-10V
- FA53900206-310
- FA53900233-310

Dali
- FA53900206-300
- FA53900233-300




@ 3000K

### Asymmetric Optic

**Power Led:** 78W - 8243 lm ≠ OUTPUT 6347 lm - 2700K/CRI 80 - 220÷240V / 78W - 8832 lm ≠ OUTPUT 6800 lm - 3000K/CRI 80 - 220÷240V / 78W - 9126 lm ≠ OUTPUT 7027 lm - 4000K/CRI 80 - 220÷240V

**2700K**

Non Dimmable
- FA53914006
- FA53914033

1-10V
- FA53914006-310
- FA53914033-310

Dali
- FA53914006-300
- FA53914033-300

**3000K**

Non Dimmable
- FA53915806
- FA53915833

1-10V
- FA53915806-310
- FA53915833-310

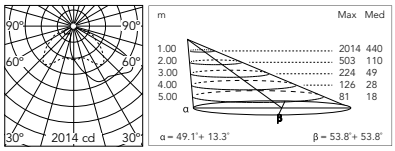
Dali
- FA53915806-300
- FA53915833-300

**4000K**

Non Dimmable
- FA53917606
- FA53917633

1-10V
- FA53917606-310
- FA53917633-310

Dali
- FA53917606-300
- FA53917633-300




@ 3000K

### Street Light Optic

**Power Led:** 78W - 8243 lm ≠ OUTPUT 6203 lm - 2700K/CRI 80 - 220÷240V / 78W - 8832 lm ≠ OUTPUT 6646 lm - 3000K/CRI 80 - 220÷240V / 78W - 9126 lm ≠ OUTPUT 6868 lm - 4000K/CRI 80 - 220÷240V

**2700K**

Non Dimmable
- FA53910406
- FA53910433

1-10V
- FA53910406-310
- FA53910433-310

Dali
- FA53910406-300
- FA53910433-300

**3000K**

Non Dimmable
- FA53900606
- FA53900633

1-10V
- FA53900606-310
- FA53900633-310

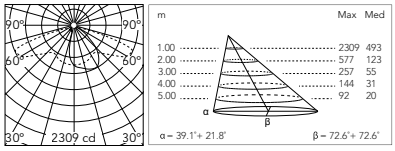
Dali
- FA53900606-300
- FA53900633-300

**4000K**

Non Dimmable
- FA53900506
- FA53900533

1-10V
- FA53900506-310
- FA53900533-310

Dali
- FA53900506-300
- FA53900533-300




@ 3000K

### Street Light Optic (Foot and Cycle Paths)

**Power Led:** 78W - 8243 lm ≠ OUTPUT 6261 lm - 2700K/CRI 80 - 220÷240V / 78W - 8832 lm ≠ OUTPUT 6708 lm - 3000K/CRI 80 - 220÷240V / 78W - 9126 lm ≠ OUTPUT 6932 lm - 4000K/CRI 80 - 220÷240V

**2700K**

Non Dimmable
- FA53910606
- FA53910633

1-10V
- FA53910606-310
- FA53910633-310

Dali
- FA53910606-300
- FA53910633-300

**3000K**

Non Dimmable
- FA53900906
- FA53900933

1-10V
- FA53900906-310
- FA53900933-310

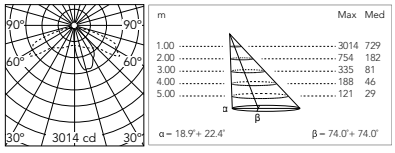
Dali
- FA53900906-300
- FA53900933-300

**4000K**

Non Dimmable
- FA53900806
- FA53900833

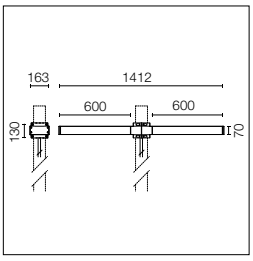
1-10V
- FA53900806-310
- FA53900833-310

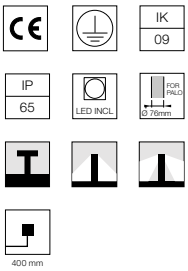
Dali
- FA53900806-300
- FA53900833-300




@ 3000K

# Dooku 600 - Double Top Pole ø76




LED source included. Integrated power supply 220-240V ON/OFF and dimmable 1-10V or DALI. Fixing bracket included. Equipped with a 400mm protruding neoprene cable section and IP68 connectors. Double socket for 76mm diameter post. The post must be ordered separately.Smart-City version available upon request.

Fuente LED incluida. Fuente de alimentación eléctrica 220-240V ON/OFF e intensidad regulable entre 1-10V o DALI integrada. Brida de fijación incluida. Dotada de una sección de cable de neopreno que sobresale 400 mm y conectores IP68. Enchufe doble para postes de 76 mm de diámetro. El poste se debe pedir por separado. Versión Smart-City disponible bajo pedido.

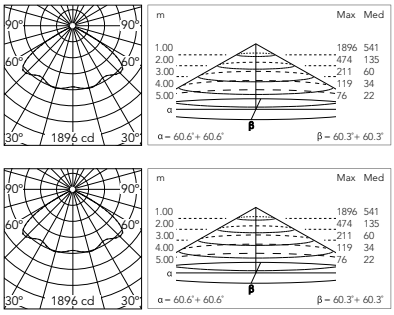
## Optic 120° (Wide Spaces - Public Areas - Parking Areas)

2200K available on request.

2200K disponible bajo pedido.

**Power Led:** 78W - 2x8243 lm ≠ OUTPUT 2x6779 lm - 2700K/CRI 80 - 220÷240V / 78W - 2x8832 lm ≠ OUTPUT 2x7263 lm - 3000K/CRI 80 - 220÷240V / 78W - 2x9126 lm ≠ OUTPUT 2x7505 lm - 4000K/CRI 80 - 220÷240V

| 2700K | 3000K | 4000K |
|---|---|---|
| Non Dimmable | Non Dimmable | Non Dimmable |
| ○ FA53910806 | ○ FA53901206 | ○ FA53901106 |
| ● FA53910833 | ● FA53901233 | ● FA53901133 |
| 1-10V | 1-10V | 1-10V |
| ○ FA53910806-310 | ○ FA53901206-310 | ○ FA53901106-310 |
| ● FA53910833-310 | ● FA53901233-310 | ● FA53901133-310 |
| Dali | Dali | Dali |
| ○ FA53910806-300 | ○ FA53901206-300 | ○ FA53901106-300 |
| ● FA53910833-300 | ● FA53901233-300 | ● FA53901133-300 |

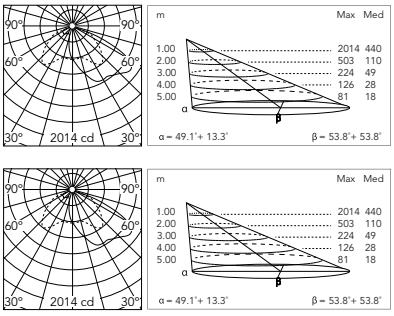



## Asymmetric Optic

@ 3000K

**Power Led:** 78W - 2x8243 lm ≠ OUTPUT 2x6347 lm - 2700K/CRI 80 - 220÷240V / 78W - 2x8832 lm ≠ OUTPUT 2x6800 lm - 3000K/CRI 80 - 220÷240V / 78W - 2x9126 lm ≠ OUTPUT 2x7027 lm - 4000K/CRI 80 - 220÷240V

| 2700K | 3000K | 4000K |
|---|---|---|
| Non Dimmable | Non Dimmable | Non Dimmable |
| ○ FA53914206 | ○ FA53916006 | ○ FA53917806 |
| ● FA53914233 | ● FA53916033 | ● FA53917833 |
| 1-10V | 1-10V | 1-10V |
| ○ FA53914206-310 | ○ FA53916006-310 | ○ FA53917806-310 |
| ● FA53914233-310 | ● FA53916033-310 | ● FA53917833-310 |
| Dali | Dali | Dali |
| ○ FA53914206-300 | ○ FA53916006-300 | ○ FA53917806-300 |
| ● FA53914233-300 | ● FA53916033-300 | ● FA53917833-300 |

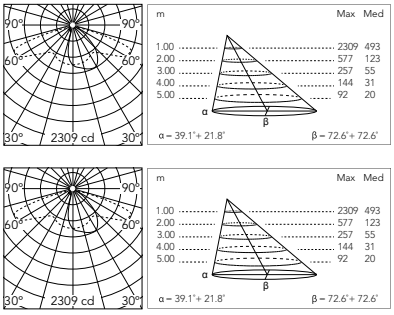



## Street Light Optic

@ 3000K

**Power Led:** 78W - 2x8243 lm ≠ OUTPUT 2x6203 lm - 2700K/CRI 80 - 220÷240V / 78W - 2x8832 lm ≠ OUTPUT 2x6646 lm - 3000K/CRI 80 - 220÷240V / 78W - 2x9126 lm ≠ OUTPUT 2x6868 lm - 4000K/CRI 80 - 220÷240V

| 2700K | 3000K | 4000K |
|---|---|---|
| Non Dimmable | Non Dimmable | Non Dimmable |
| ○ FA53911006 | ○ FA53901506 | ○ FA53901406 |
| ● FA53911033 | ● FA53901533 | ● FA53901433 |
| 1-10V | 1-10V | 1-10V |
| ○ FA53911006-310 | ○ FA53901506-310 | ○ FA53901406-310 |
| ● FA53911033-310 | ● FA53901533-310 | ● FA53901433-310 |
| Dali | Dali | Dali |
| ○ FA53911006-300 | ○ FA53901506-300 | ○ FA53901406-300 |
| ● FA53911033-300 | ● FA53901533-300 | ● FA53901433-300 |

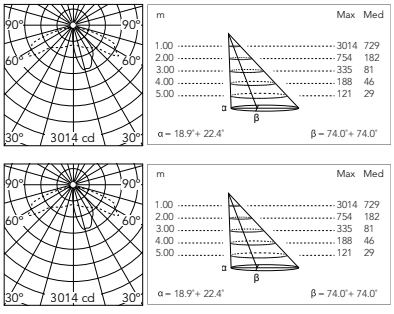



## Street Light Optic (Foot and Cycle Paths)

@ 3000K

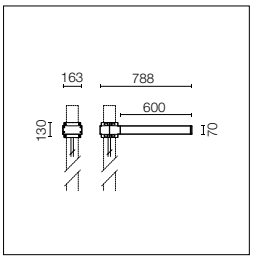
**Power Led:** 78W - 2x8243 lm ≠ OUTPUT 2x6261 lm - 2700K/CRI 80 - 220÷240V / 78W - 2x8832 lm ≠ OUTPUT 2x6708 lm - 3000K/CRI 80 - 220÷240V / 78W - 2x9126 lm ≠ OUTPUT 2x6932 lm - 4000K/CRI 80 - 220÷240V

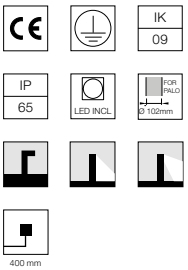
| 2700K | 3000K | 4000K |
|---|---|---|
| Non Dimmable | Non Dimmable | Non Dimmable |
| ○ FA53911206 | ○ FA53901806 | ○ FA53901706 |
| ● FA53911233 | ● FA53901833 | ● FA53901733 |
| 1-10V | 1-10V | 1-10V |
| ○ FA53911206-310 | ○ FA53901806-310 | ○ FA53901706-310 |
| ● FA53911233-310 | ● FA53901833-310 | ● FA53901733-310 |
| Dali | Dali | Dali |
| ○ FA53911206-300 | ○ FA53901806-300 | ○ FA53901706-300 |
| ● FA53911233-300 | ● FA53901833-300 | ● FA53901733-300 |




@ 3000K

# Dooku 600 - Single Top Pole ø102




LED source included. Integrated power supply 220-240V ON/OFF and dimmable 1-10V or DALI. Fixing bracket included. Equipped with a 400mm protruding neoprene cable section and IP68 connectors. Smart-City version available upon request.Single socket for 102mm diameter post. The post must be ordered separately.
Smart-City version available upon request.

2200K available on request.

Fuente LED incluida. Fuente de alimentación eléctrica 220-240V ON/OFF e intensidad regulable entre 1-10V o DALI integrada. Brida de fijación incluida. Dotada de una sección de cable de neopreno que sobresale 400 mm y conectores IP68. Enchufe individual para postes de 102mm de diámetro.
El poste se debe pedir por separado.
Versión Smart-City disponible bajo pedido.

2200K disponible bajo pedido.

### Optic 120° (Wide Spaces - Public Areas - Parking Areas)

**Power Led:** 78W - 8243 lm ≠ OUTPUT 6779 lm - 2700K/CRI 80 - 220÷240V / 78W - 8832 lm ≠ OUTPUT 7263 lm - 3000K/CRI 80 - 220÷240V / 78W - 9126 lm ≠ OUTPUT 7505 lm - 4000K/CRI 80 - 220÷240V

**2700K**

Non Dimmable
- FA53911406
- FA53911433

1-10V
- FA53911406-310
- FA53911433-310

Dali
- FA53911406-300
- FA53911433-300

**3000K**

Non Dimmable
- FA53902106
- FA53902133

1-10V
- FA53902106-310
- FA53902133-310

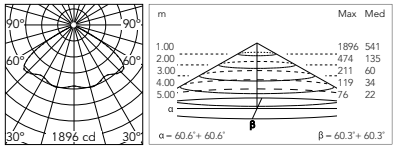
Dali
- FA53902106-300
- FA53902133-300

**4000K**

Non Dimmable
- FA53902006
- FA53902033

1-10V
- FA53902006-310
- FA53902033-310

Dali
- FA53902006-300
- FA53902033-300




@ 3000K

### Asymmetric Optic

**Power Led:** 78W - 8243 lm ≠ OUTPUT 6347 lm - 2700K/CRI 80 - 220÷240V / 78W - 8832 lm ≠ OUTPUT 6800 lm - 3000K/CRI 80 - 220÷240V / 78W - 9126 lm ≠ OUTPUT 7027 lm - 4000K/CRI 80 - 220÷240V

**2700K**

Non Dimmable
- FA53914406
- FA53914433

1-10V
- FA53914406-310
- FA53914433-310

Dali
- FA53914406-300
- FA53914433-300

**3000K**

Non Dimmable
- FA53916206
- FA53916233

1-10V
- FA53916206-310
- FA53916233-310

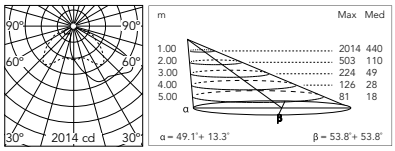
Dali
- FA53916206-300
- FA53916233-300

**4000K**

Non Dimmable
- FA53918006
- FA53918033

1-10V
- FA53918006-310
- FA53918033-310

Dali
- FA53918006-300
- FA53918033-300




@ 3000K

### Street Light Optic

**Power Led:** 78W - 8243 lm ≠ OUTPUT 6203 lm - 2700K/CRI 80 - 220÷240V / 78W - 8832 lm ≠ OUTPUT 6646 lm - 3000K/CRI 80 - 220÷240V / 78W - 9126 lm ≠ OUTPUT 6868 lm - 4000K/CRI 80 - 220÷240V

**2700K**

Non Dimmable
- FA53911606
- FA53911633

1-10V
- FA53911606-310
- FA53911633-310

Dali
- FA53911606-300
- FA53911633-300

**3000K**

Non Dimmable
- FA53902406
- FA53902433

1-10V
- FA53902406-310
- FA53902433-310

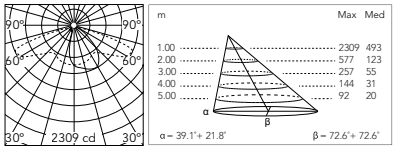
Dali
- FA53902406-300
- FA53902433-300

**4000K**

Non Dimmable
- FA53902306
- FA53902333

1-10V
- FA53902306-310
- FA53902333-310

Dali
- FA53902306-300
- FA53902333-300




@ 3000K

### Street Light Optic (Foot and Cycle Paths)

**Power Led:** 78W - 8243 lm ≠ OUTPUT 6261 lm - 2700K/CRI 80 - 220÷240V / 78W - 8832 lm ≠ OUTPUT 6708 lm - 3000K/CRI 80 - 220÷240V / 78W - 9126 lm ≠ OUTPUT 6932 lm - 4000K/CRI 80 - 220÷240V

**2700K**

Non Dimmable
- FA53911806
- FA53911833

1-10V
- FA53911806-310
- FA53911833-310

Dali
- FA53911806-300
- FA53911833-300

**3000K**

Non Dimmable
- FA53902706
- FA53902733

1-10V
- FA53902706-310
- FA53902733-310

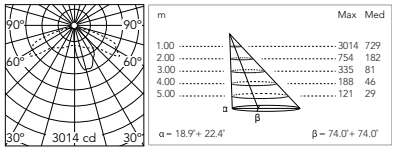
Dali
- FA53902706-300
- FA53902733-300

**4000K**

Non Dimmable
- FA53902606
- FA53902633

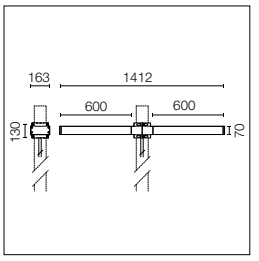
1-10V
- FA53902606-310
- FA53902633-310

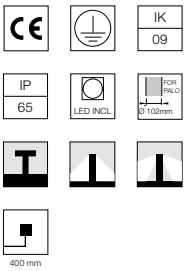
Dali
- FA53902606-300
- FA53902633-300




@ 3000K

# Dooku 600 - Double Top Pole ø102




LED source included. Integrated power supply 220-240V ON/OFF and dimmable 1-10V or DALI. Fixing bracket included. Equipped with a 400mm protruding neoprene cable section and IP68 connectors. Double socket for 102mm diameter post. The post must be ordered separately.Smart-City version available upon request.

Fuente LED incluida. Fuente de alimentación eléctrica 220-240V ON/OFF e intensidad regulable entre 1-10V o DALI integrada. Brida de fijación incluida. Dotada de una sección de cable de neopreno que sobresale 400 mm y conectores IP68. Enchufe doble para postes de 102 mm de diámetro. El poste se debe pedir por separado.Versión Smart-City disponible bajo pedido.

## Optic 120° (Wide Spaces - Public Areas - Parking Areas)

2200K available on request.

2200K disponible bajo pedido.

**Power Led:** 78W - 2x8243 lm ≠ OUTPUT 2x6779 lm - 2700K/CRI 80 - 220÷240V / 78W - 2x8832 lm ≠ OUTPUT 2x7263 lm - 3000K/CRI 80 - 220÷240V / 78W - 2x9126 lm ≠ OUTPUT 2x7505 lm - 4000K/CRI 80 - 220÷240V

**2700K**

Non Dimmable
- FA53912006
- FA53912033

1-10V
- FA53912006-310
- FA53912033-310

Dali
- FA53912006-300
- FA53912033-300

**3000K**

Non Dimmable
- FA53903006
- FA53903033

1-10V
- FA53903006-310
- FA53903033-310

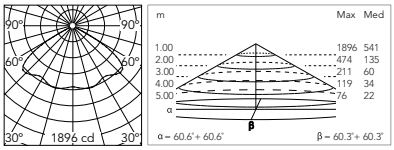
Dali
- FA53903006-300
- FA53903033-300

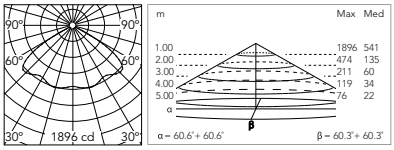
**4000K**

Non Dimmable
- FA53902906
- FA53902933

1-10V
- FA53902906-310
- FA53902933-310

Dali
- FA53902906-300
- FA53902933-300




@ 3000K

## Asymmetric Optic

**Power Led:** 78W - 2x8243 lm ≠ OUTPUT 2x6347 lm - 2700K/CRI 80 - 220÷240V / 78W - 2x8832 lm ≠ OUTPUT 2x6800 lm - 3000K/CRI 80 - 220÷240V / 78W - 2x9126 lm ≠ OUTPUT 2x7027 lm - 4000K/CRI 80 - 220÷240V

**2700K**

Non Dimmable
- FA53914606
- FA53914633

1-10V
- FA53914606-310
- FA53914633-310

Dali
- FA53914606-300
- FA53914633-300

**3000K**

Non Dimmable
- FA53916406
- FA53916433

1-10V
- FA53916406-310
- FA53916433-310

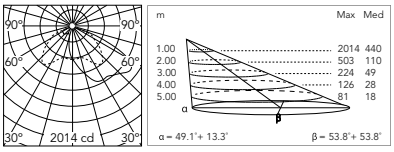
Dali
- FA53916406-300
- FA53916433-300

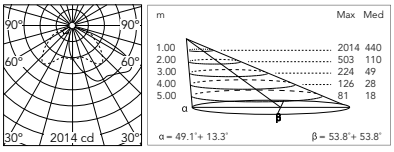
**4000K**

Non Dimmable
- FA53918206
- FA53918233

1-10V
- FA53918206-310
- FA53918233-310

Dali
- FA53918206-300
- FA53918233-300




@ 3000K

## Street Light Optic

**Power Led:** 78W - 2x8243 lm ≠ OUTPUT 2x6203 lm - 2700K/CRI 80 - 220÷240V / 78W - 2x8832 lm ≠ OUTPUT 2x6646 lm - 3000K/CRI 80 - 220÷240V / 78W - 2x9126 lm ≠ OUTPUT 2x6868 lm - 4000K/CRI 80 - 220÷240V

**2700K**

Non Dimmable
- FA53912206
- FA53912233

1-10V
- FA53912206-310
- FA53912233-310

Dali
- FA53912206-300
- FA53912233-300

**3000K**

Non Dimmable
- FA53903306
- FA53903333

1-10V
- FA53903306-310
- FA53903333-310

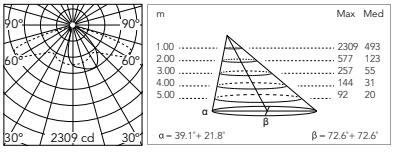
Dali
- FA53903306-300
- FA53903333-300

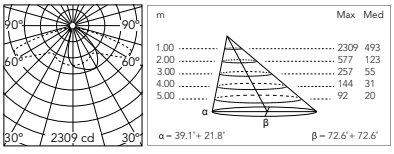
**4000K**

Non Dimmable
- FA53903206
- FA53903233

1-10V
- FA53903206-310
- FA53903233-310

Dali
- FA53903206-300
- FA53903233-300




@ 3000K

## Street Light Optic (Foot and Cycle Paths)

**Power Led:** 78W - 2x8243 lm ≠ OUTPUT 2x6261 lm - 2700K/CRI 80 - 220÷240V / 78W - 2x8832 lm ≠ OUTPUT 2x6708 lm - 3000K/CRI 80 - 220÷240V / 78W - 2x9126 lm ≠ OUTPUT 2x6932 lm - 4000K/CRI 80 - 220÷240V

**2700K**

Non Dimmable
- FA53912406
- FA53912433

1-10V
- FA53912406-310
- FA53912433-310

Dali
- FA53912406-300
- FA53912433-300

**3000K**

Non Dimmable
- FA53903606
- FA53903633

1-10V
- FA53903606-310
- FA53903633-310

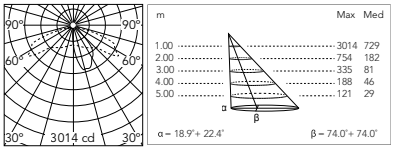
Dali
- FA53903606-300
- FA53903633-300

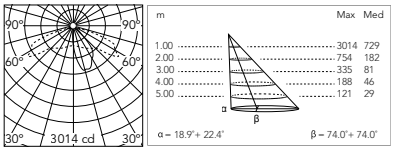
**4000K**

Non Dimmable
- FA53903506
- FA53903533

1-10V
- FA53903506-310
- FA53903533-310

Dali
- FA53903506-300
- FA53903533-300




@ 3000K

## Dooku / Ø 76mm - Poles

With Base and Access Door.
With Terminal Block 4x1,5-16mmq.

Con base y con caja de conexión registrable.
With Terminal Block 4x1,5-16mmq.

**H 3500mm**

- FA24806
- FA24833

**H 4500mm**

- FA24906
- FA24933

In-Ground (+500 mm Root) With Access Door
With Terminal Block 4x1,5-16mmq

Empotrable (+500 mm por debajo del nivel del suelo) With Access Door
With Terminal Block 4x1,5-16mmq

**H 3500mm**

- FA25006
- FA25033

**H 4500mm**

- FA25106
- FA25133

## Dooku / Ø 102mm - Poles

With Base and Access Door.
With Terminal Block 4x1,5-16mmq.

Con base y con caja de conexión registrable.
With Terminal Block 4x1,5-16mmq.

**H 4000mm**

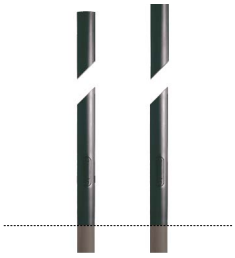
- FA414006
- FA414033

**H 5000mm**

- FA415006
- FA415033

In-Ground (+500 mm Root) With Access Door
With Terminal Block 4x1,5-16mmq

Empotrable (+500 mm por debajo del nivel del suelo) With Access Door
With Terminal Block 4x1,5-16mmq



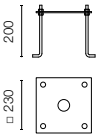
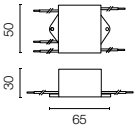
**H 4000mm**

- FA414506
- FA414533

**H 5000mm**

- FA415506
- FA415533

## Dooku: Accessories / Accesorios

| | | | | |
|---|---|---|---|---|
| Base plate with bolt. | Placa con tirafondos. | FA116 | |   |
| Surge protection device. 275Vac. Maximum discharge current 10KA (8/20µs). Maximum operating current 5A. Suitable for series connection. IP66. | Dispositivo de protección contra sobrecargas. 275 Vac. Corriente de descarga máxima 10KA (8/20µs). Corriente máxima de funcionamiento 5A. Apta para conexión en serie. IP66. | F990E00A000 | |   |

## Luminaires classification / Clases de Aislamiento de las Luminarias

Class I: Luminaire in which protection against electrical shocks is not just based on the basic insulation but also on an additional safety precautions consisting of connecting the accesible conductive parts to a safety conductor (earth).

Clase I: Luminaria cuya protección contra los choques eléctricos no está basada en un aislamiento básico del aparato sino en medidas de seguridad adicionales consistentes en conectar las partes accesibles conductoras de la luminaria a un conductor de seguridad o toma de tierra.

Class II: Luminaire in which protection against electrical shocks is not just based on the basic insulation but also on an additional safety precautions consisting of double reinforced insulation without conductive parts to a safety conductor (earth).

Clase II: Luminaria cuya protección contra los choques eléctricos no está basada en un aislamiento básico del aparato sino en medidas de seguridad adicionales consistentes en un doble aislamiento reforzado.

Class III: Luminaire in which protection against electrical shocks is based on the very low safety supply voltage and no voltages are produced higher than this. A Class III luminaire must never be provided with earthing.

Clase III: Luminaria cuya protección contra los choques eléctricos está basada en la muy baja tensión de alimentación sin que se produzcan voltajes mayores a ésta. Una luminaria de Clase III nunca debe ser suministrada con toma de tierra.

## Homologations / Homologaciones

All lamps manufactured and illustrated in this catalog comply with European Standard EN 60 598 and consequently meet the requirements set forth in Directive 73/23 EEC (Low Voltage Directive). They also comply with Directive 89/336 covering electromagnetic compatibility. All products falling under the scope of the above-mentioned Directives bear the CE mark as proof of their compliance with the respective requirements.

Todas las luminarias producidas y presentadas en este programa se han realizado en conformidad con la Norma Europea EN 60 598 y, por consiguiente, cumplen los requisitos establecidos por la Directiva CEE 73/23 (Directiva de Baja Tensión). Su realización garantiza también la conformidad con la Directiva 89/336 en lo concerniente la Compatibilidad Electromagnética. Todos los productos que forman parte del campo de aplicación de estas Directivas llevan el marcado CE que certifica su conformidad a los respectivos requisitos.

The ENEC mark on the product stands for the compliance of European Standard as well as a trustworthy organisation and product system and is guaranteed by an accredited certification body. This agreed mark stands for our engagement and represents the best guarantee in security and quality matter of our products.

La presencia del marcado ENEC en el producto testimonia el cumplimiento de la normativa europea y garantiza la fiabilidad del sistema organizativo y productivo responsable de su fabricación, a través de un organismo de certificación acreditado. El marcado ENEC representa nuestro compromiso y mejor garantía en materias de seguridad y calidad en todos nuestros productos.

The Spanish Association for Standards and Certification AENOR, certifies that quality assurance system adopted by Antares Iluminación, S.A. complies with the requirements of the standard UNE-EN ISO-9001 Quality Systems.

La asociación española de normalización y certificación AENOR certifica que el Sistema de aseguramiento de la Calidad adoptado por Antares Iluminación S.A. es conforme a las exigencias de la Norma Europea EN ISO 9001: Sistemas de Calidad.

IP
20

Protection degree offered by the fixture to the ingress of solids and liquids.

Índice de protección contra la penetración de partículas sólidas y húmedas.

IP
**2**0

1st figure, protection against penetration by solid bodies: 0 No protection - 1 Protected against solid bodies over 50 mm in diameter - 2 Protected against solid bodies over 12 mm in diameter - 3 Protected against solid bodies over 2,5 mm in diameter - 4 Protected against solid bodies over 1 mm in diameter - 5 Protected against dust - 6 Fully protected against dust.

1a cifra, protección contra la penetración de cuerpos sólidos: 0 Ninguna protección. 1 Protección contra cuerpos sólidos de tamaño superior a 50mm. 2 Protección contra cuerpos sólidos de tamaño superior a 12mm. 3 Protección contra cuerpos sólidos de tamaño superior a 2,5mm. 4 Protección contra cuerpos sólidos de tamaño superior a 1mm. 5 Protección contra el polvo. 6 Totalmente protegido contra el polvo.

IP
2**0**

2nd figure, protection against penetration by water: 0 No protection - 1 Protected against drops of water falting vertically - 2 Protected against drops of water at a max. inclination of 15 degrees - 3 Protected against drops of water at a max. inclination of 60 degrees - 4 Protected against splashed of water - 5 Protected against jets of water - 6 Protected against waves - 7 Protected against immersión - 8 Protected against long term immersión.

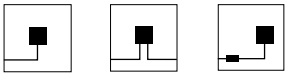
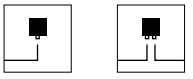
2a cifra, protección contra la penetración de agua: 0 Ninguna protección. 1 Protección contra caída vertical de gotas de agua. 2 Protección contra caída vertical de gotas de agua, 15° máx. inclinación. 3 Protección contra caída vertical de gotas de agua, 60° máx. inclinación. 4 Protección contra salpicaduras de agua. 5 Protección contra chorros de agua. 6 Protección contra olas de agua. 7 Protección contra inmersión. 8 Protección contra inmersión prolongada.

Pictography / Simbología

In accordance with the provisions of Regulation 874/2012/EU and integration of the Directive 2010/30/EU concerning labeling indicating the energy consumption of electric lamps and the compatibility of lighting appliances with different light sources (integrated or compatible with these), Flos SpA has inserted the required labels, in electronic form, on its website (www.flos.com) in the area relating to products.
The methods to download the labels in different languages envisaged at Community level are as follows: • Choose the collection/product you are interested in (for ex: http://www.flos.com/decorative/en/products/floor/Arco) • Click on “see specs sheet” • Click on “Print Energy Label” • Select the language and print the label.

De conformidad con lo estipulado en el Reglamento 874/2012/UE, que complementa a la Directiva 2010/30/UE, relativo al etiquetado indicador del consumo energético de las lámparas eléctricas y la compatibilidad de los dispositivos de iluminación con las distintas fuentes de luz (integradas o compatibles con ellas), Flos S.p.A ha introducido las etiquetas solicitadas, en formato electrónico, en el mismo sitio web (www.flos.com), en la sección de productos.
Las formas para descargar las etiquetas, redactadas en las distintas lenguas comunitarias, son las siguientes:
• Seleccione la colección/el producto que le interesa (por ejemplo http://www.flos.com/decorative/en/products/floor/Arco)
• Haga clic en “ Ver ficha técnica” • Haga clic en “Print Energy Label” • Seleccione el idioma e imprima la etiqueta.

## Symbols

| | | |
|---|---|---|
| | Static load: Resistance to static load.<br>In compliance with CEI EN 60598-2-13 standards. | Carga estática: Resistencia a la carga estática.<br>Conforme a la norma CEI EN 60598-2-13. |
| | Drive over Resistance to torque and shear loads.<br>In compliance with CEI EN 60598-2-13 standards. | Resistencia a las cargas de torsión y cizallamiento.<br>Conforme a la norma CEI EN 60598-2-13. |
| | Diffuser temperature according to CEI EN 60598-2-13. Check that diffuser's temperature "T max °C" (tested at 25°C) complies with your local regulation. Glass surface temperature <70°C for LED source | Temperatura del difusor según la norma CEI EN 60598-2-13. Compruebe que la temperatura del difusor "T max °C" (probada a 25°C) cumple la normativa local. Temperatura de la superficie del vidrio <70°C para la fuente LED. |
| | Advice on installation of recessed luminaires:<br>It is important to provide a consistent gravel layer or drain system to ensure good drainage and to avoid water stagnation.<br>The luminaire must not be installed in hollow surfaces. | Consejos para la instalación de luminarias empotradas:<br>Es importante prever una capa de grava consistente o un sistema de drenaje para garantizar un buen drenaje y evitar el estancamiento del agua.<br>La luminaria no debe instalarse en superficies huecas. |
|  | Electric connection:<br>Wiring through cable input, through two cable inputs or through a feeding transformer installed on remote position (to be ordered separately). | Conexión eléctrica:<br>Cableado a través de la entrada de cable, a través de dos entradas de cable o a través de un transformador de alimentación instalado en posición remota (debe pedirse por separado). |
|  | Luminaire is equipped with 1 or 2 cable input. | La luminaria está equipada con 1 o 2 entradas de cable. |
| | Luminaire is equipped with cable and plug. | La luminaria está equipada con cable y enchufe. |
| | Protection against water ingress from the cable | Protección contra la entrada de agua desde el cable |
| | Surface installation on wall, on ground or on ceiling. | Instalación de superficie en pared, suelo o techo. |
| | Installation on pole. | Instalación en poste. |
| | In-ground installation (recessed luminaire)<br>Suspended fitting. | Instalación en suelo (luminaria empotrada).<br>Instalación suspendida. |
| | Glow wire test IEC 60695-2-10: the glow wire test is used to simulate the effect of heat as may arise in malfunctioning electrical equipment, such as with overloaded (specified temperature). | Prueba de hilo incandescente IEC 60695-2-10: la prueba de hilo incandescente se utiliza para simular el efecto del calor que puede producirse en caso de mal funcionamiento de los equipos eléctricos, como en el caso de componentes sobrecargados (temperatura especificada). |

| IK |
|---|
| 0**9** |

Resistance to external mechanical impacts:
IK code refers to the maximum external impact the luminaire is capable to withstand, without irreversible damage.
In compliance with EN50102 standards.

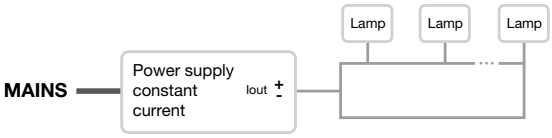
Resistencia a los impactos mecánicos externos:
El código IK se refiere al máximo impacto externo que la luminaria es capaz de soportar sin sufrir daños irreversibles.
Conforme a la norma EN50102.

| **IK code** | **Impact Energy** (Joule) | **Mass/Height** |
|---|---|---|
| IK00 | 0,00 | ----- |
| IK01 | 0,15 | 0,2Kg/70mm |
| IK02 | 0,20 | 0,2Kg/100mm |
| IK03 | 0,35 | 0,2Kg/175mm |
| IK04 | 0,50 | 0,2Kg/250mm |
| IK05 | 0,70 | 0,2Kg/350mm |
| IK06 | 1,00 | 0,5Kg/200mm |
| IK07 | 2,00 | 0,5Kg/400mm |
| IK08 | 5,00 | 1,7Kg/295mm |
| IK09 | 10,00 | 5,0Kg/200mm |
| IK10 | 20,00 | 5,0Kg/400mm |

## Tecnical Schemes

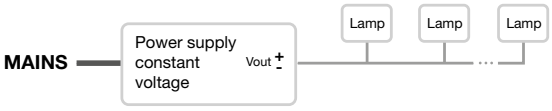
Wiring Diagram and sample series installation / Esquema eléctrico y ejemplo de instalación en serie.

**n.1**



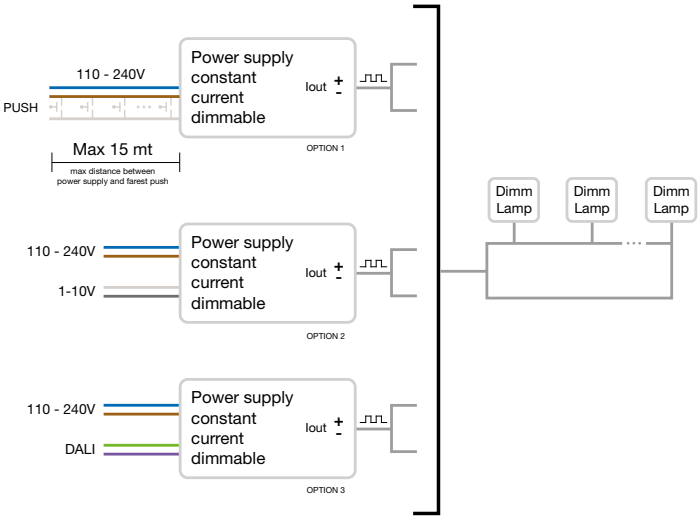

Wiring Diagram and sample parallel installation / Esquema eléctrico y ejemplo de instalación en paralelo.

**n.2**



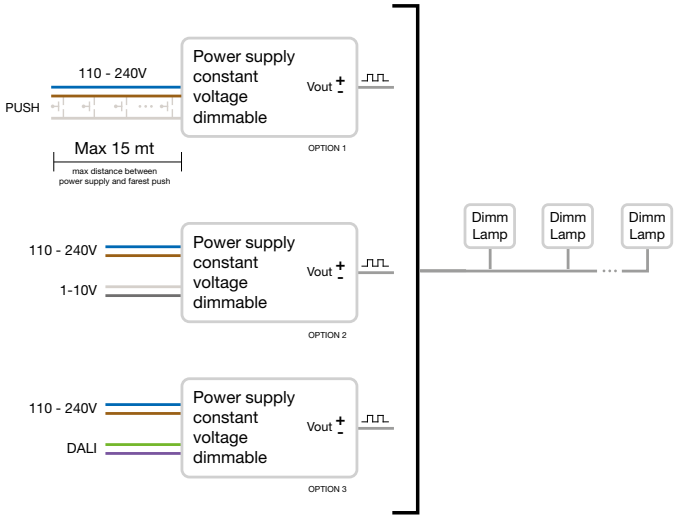

Wiring Diagram and sample dimmable series installation / Esquema eléctrico y ejemplo de instalación en serie regulable.

**n.3**




Wiring Diagram and sample dimmable parallel installation / Esquema eléctrico y ejemplo de instalación en paralelo regulable.

**n.4**



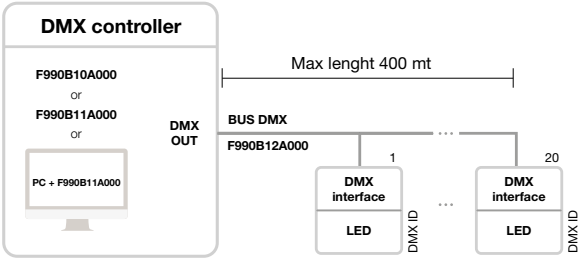
## Basic DMX Wiring Scheme

A DMX system can include an unlimited number of fixtures on condition that the following rules are respected:

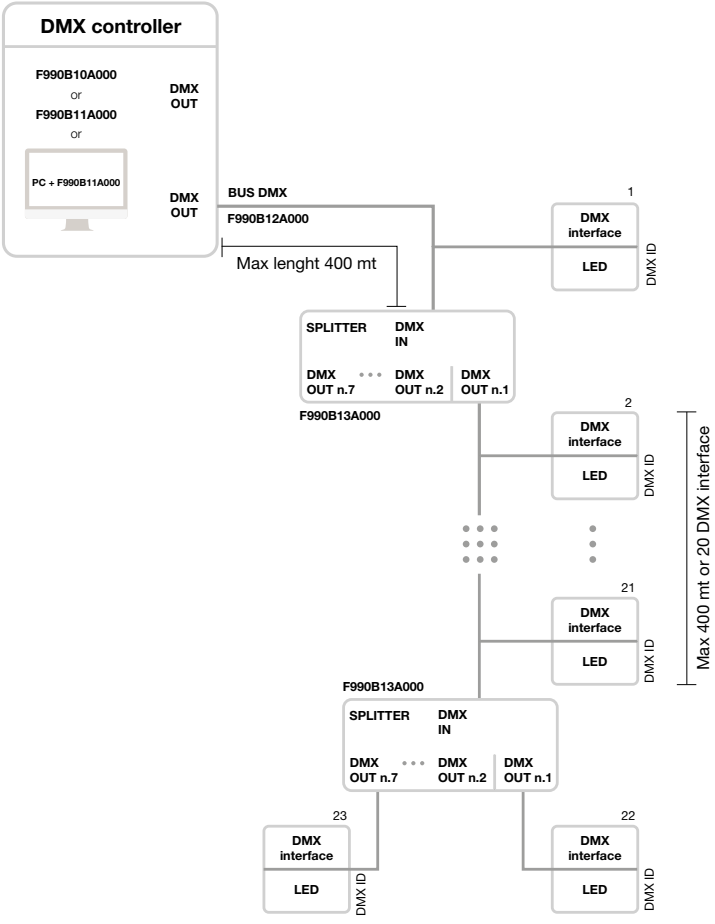
- Use suitable cables for DMX bus: shielded twisted pair with 110 Ohm constant impedance (e.g. Cod.186). The use of different cables doesn't assure the same performance.
- Every 400mt of cable the DMX bus signal needs to be regenerated with a Splitter. This allows to extend the installation.
- Every 20 fixtures the DMX bus signal needs to be regenerated with a Splitter. This allows to extend the installation.
- All fixtures have to be connected in series to the DMX bus. No star connection allowed. It has to be taken into account that the use of a splitter can solve the problem having one bus input and more bus output.
- Each cable must have a 120 Ohm termination resistor.

Un sistema DMX puede incluir un número ilimitado de luminarias siempre que se respeten las siguientes reglas:

- Utilizar cables adecuados para el bus DMX: par trenzado apantallado con impedancia constante de 110 Ohm (por ejemplo, Cod.186). El uso de cables diferentes no asegura el mismo rendimiento.
- Cada 400 m de cable, la señal del bus DMX necesita ser regenerada con un Splitter. Esto permite ampliar la instalación.
- Cada 20 luminarias, la señal del bus DMX debe ser regenerada con un Splitter. Esto permite ampliar la instalación.
- Todos los aparatos deben estar conectados en serie al bus DMX. No se permite la conexión en estrella. Hay que tener en cuenta que el uso de un splitter puede solucionar el problema de tener una entrada de bus y varias salidas de bus.
- Cada cable debe tener una resistencia de terminación de 120 Ohm.



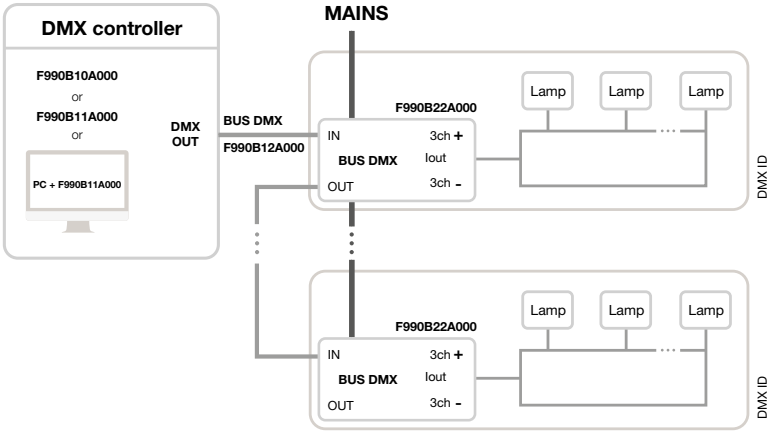

## Extended DMX Wiring Pattern



## Tecnical Schemes

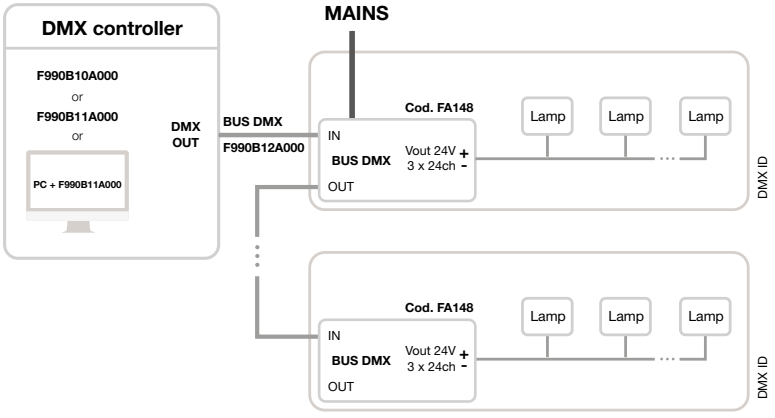
Wiring Diagram and sample installation / Esquema eléctrico y ejemplo de instalación.

**n.5**



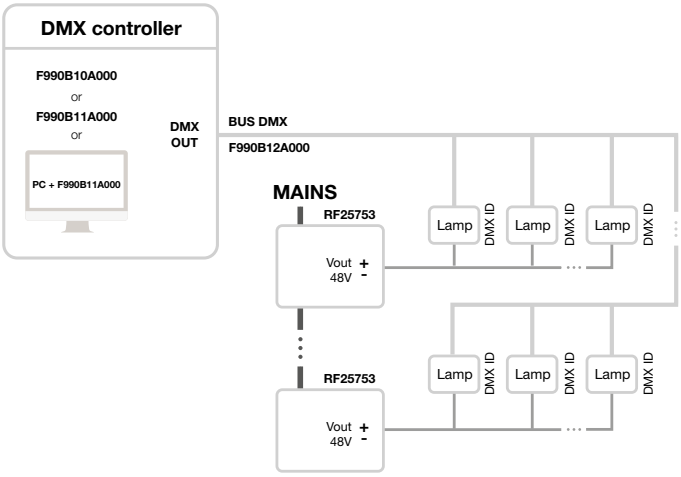

Wiring Diagram and sample installation / Esquema eléctrico y ejemplo de instalación.

**n.6**



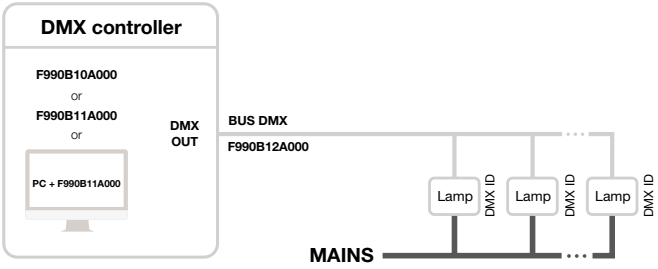
Wiring Diagram and sample installation / Esquema eléctrico y ejemplo de instalación.

**n.7**




Wiring Diagram and sample installation / Esquema eléctrico y ejemplo de instalación.

**n.8**




## Attention

Wiring of LED luminaires run in constant current and connected in series (schemes 1,3 and 5): Never connect the luminaire to a switched on power supply.
Always connect luminaires to the power supply, and only after connect the power supply to the mains.

Connection schemes: Luminaires in constant current must always be connected in series; luminaires in constant tension must always be connected in parallel.
Always respect polarity according to the DC system.

Power Supplies must always match installation features: Never use a constant current power supply on a constant tension luminaire and vice versa.

The choice of the power supply must take into account the real power consumption of the luminaire (data shown in the catalogue) with a 20% increase to face any potential loss on the installation.

LED Luminaires and power supplies are protected against interferences on the line, it is anyway highly recommended to set dedicated feeding lines to avoid any potential sudden and severe interference (inductive loads like pumps or discharge lamps) that are likely to damage the LED module.

## Atención

El cableado de las luminarias LED funciona en corriente constante y se conecta en serie (esquemas 1, 3 y 5): No conecte nunca la luminaria a una fuente de alimentación conmutada.
Conecte siempre las luminarias a la fuente de alimentación, y sólo después de conectar la fuente de alimentación a la red eléctrica.

Esquemas de conexión: Las luminarias en corriente constante deben conectarse siempre en serie; las luminarias en tensión constante deben conectarse siempre en paralelo.
Respete siempre la polaridad según el sistema de corriente continua.

Las fuentes de alimentación deben coincidir siempre con las características de la instalación: No utilice nunca una fuente de alimentación en corriente constante en una luminaria en tensión constante y viceversa.

La elección de la fuente de alimentación debe tener en cuenta el consumo real de la luminaria (datos indicados en el catálogo) con un incremento del 20% para hacer frente a posibles pérdidas en la instalación.

Las luminarias LED y las fuentes de alimentación están protegidas contra las interferencias en la línea. En cualquier caso, se recomienda encarecidamente establecer líneas de alimentación dedicadas para evitar cualquier posible interferencia repentina y grave (cargas inductivas como bombas o lámparas de descarga) que puedan dañar el módulo LED.

| | |
|---|---|
| A-Rise | 490 |
| A-Round | 480 |
| Aimer | 776 |
| Bellhop | 310 |
| Belvedere | 348 |
| C-Me | 536 |
| Camouflage | 416 |
| Casting | 322 |
| Caule | 258 |
| Cielo | 596 |
| Climber | 426 |
| Dooku | 856 |
| Eclipse | 696 |
| Emma | 728 |
| Fenestra | 472 |
| Flauta | 274 |
| Captain Flint | 240 |
| Franco | 810 |
| Gobi | 514 |
| Heavy Metal | 440 |
| Hyperion | 706 |
| I - Ron | 380 |
| IC_Light | 250 |
| In Vitro | 186 |
| Ingraze | 560 |
| Kirk | 756 |
| Klein Pro | 360 |
| Landlord | 292 |
| Leila | 744 |
| Lighting In The Rain | 285 |
| Marco | 462 |
| Mayday | 198 |
| Mile | 206 |
| My Way | 408 |
| Outgraze | 622 |
| Perseo | 832 |
| Platter | 728 |
| Pointbreak | 156 |
| Real Matter | 398 |
| Spine | 16 |
| Spock | 764 |
| Talia | 388 |
| Tau | 672 |
| Walkstick | 334 |
| Zefiro | 370 |

## Warranty

ARES s.r.l. warrants to the Buyer the satisfactory operation of its products for the period of two years from date of Purchaser's purchase (the invoice date).

Within the warranty period any defects with ARES s.r.l. products as a result of faulty materials or workmanship will be rectified free of charge.

ARES s.r.l. reserves the right to rectify the fault by repair, exchange or replacement.

The warranty does not cover and the manufacturer will not be liable for:

Parts and materials subject to continuous wear;
Problems resulting from external causes such us accident, abuse, misuse, mishandling, negligence, fire, theft, vandalism, riot, explosion, natural disaster, or other external causes unrelated to product defect;
Conditions demonstrating faulty installation, misapplication, extreme environmental conditions beyond those defined in the product specification, under/over voltage situations, lack of compliance with applicable instructions, improper or inadequate handling, shipping, maintenance, negligence, accident, or tampering;
Incompatibility, improper design, manufacture, installation, operation or maintenance of products not supplied by Manufacturer;
Situations in which manufacturer's control gears fixtures and or any parts are replaced with those from other manufacturers;
The quality of the installation on Manufacturer products by the installer of those products. For example, the above warranties would not cover problems resulting from such an installer's installation methods.
Small defects having a negligible effect in value or operation.

The warranty does not apply to any other claims (for instance additional cost incurred by the customer) unless agreed and accepted by the manufacturer in writing.

## Garantía

ARES s.r.l. garantiza al Comprador el funcionamiento satisfactorio de sus productos durante un periodo de dos años a partir de la fecha de compra del Comprador (la fecha de la factura).

Dentro del periodo de garantía, cualquier defecto de los productos ARES s.r.l. como resultado de materiales o mano de obra defectuosos será rectificado gratuitamente.

ARES s.r.l. se reserva el derecho de subsanar el defecto mediante reparación, cambio o sustitución.

La garantía no cubre, y el fabricante no será responsable de:

Piezas y materiales sometidos a un desgaste continuo;
Problemas derivados de causas externas como accidentes, abuso, mal uso, mala manipulación, negligencia, incendio, robo, vandalismo, disturbios, explosiones, desastres naturales u otras causas externas no relacionadas con el defecto del producto;
Condiciones que demuestren una instalación defectuosa, una aplicación incorrecta, condiciones ambientales extremas más allá de las definidas en las especificaciones del producto, situaciones de sub/sobretensión, incumplimiento de las instrucciones aplicables, manipulación incorrecta o inadecuada, envío, mantenimiento, negligencia, accidente o alteración;
Incompatibilidad, diseño inadecuado, fabricación, instalación, funcionamiento o mantenimiento de productos no suministrados por el fabricante;
Situaciones en las que los aparatos de control del fabricante y/o cualquier pieza se sustituyan por los de otros fabricantes;
La calidad de la instalación de los productos del fabricante por parte del instalador de dichos productos. Por ejemplo, las garantías anteriores no cubrirían los problemas resultantes de los métodos de instalación de dicho instalador.
Pequeños defectos que tengan un efecto insignificante en el valor o el funcionamiento.

La garantía no se aplica a otras reclamaciones (por ejemplo, costes adicionales incurridos por el cliente) a menos que el fabricante lo acuerde y acepte por escrito.

| Page | Reference | Page | Reference | Page | Reference | Page | Reference | Page | Reference |
|---|---|---|---|---|---|---|---|---|---|
| 354 | F001A21A001 | 354 | F001B21B001 | 355 | F001C23A001.A | 356 | F001D22B001.A | 356 | F001D41B001 |
| 354 | F001A21A006 | 354 | F001B21B006 | 355 | F001C23A006.A | 356 | F001D22B006.A | 356 | F001D41B006 |
| 354 | F001A21A012 | 354 | F001B21B012 | 355 | F001C23A012.A | 356 | F001D22B012.A | 356 | F001D41B012 |
| 354 | F001A21A018 | 354 | F001B21B018 | 355 | F001C23A018.A | 356 | F001D22B018.A | 356 | F001D41B018 |
| 354 | F001A21A030 | 354 | F001B21B030 | 355 | F001C23A030.A | 356 | F001D22B030.A | 356 | F001D41B030 |
| 354 | F001A21A033 | 354 | F001B21B033 | 355 | F001C23A033.A | 356 | F001D22B033.A | 356 | F001D41B033 |
| 354 | F001A21B001 | 354 | F001B21D001 | 355 | F001C31A001 | 356 | F001D23A001.A | 356 | F001D42A001 |
| 354 | F001A21B006 | 354 | F001B21D006 | 355 | F001C31A006 | 356 | F001D23A006.A | 356 | F001D42A006 |
| 354 | F001A21B012 | 354 | F001B21D012 | 355 | F001C31A012 | 356 | F001D23A012.A | 356 | F001D42A012 |
| 354 | F001A21B018 | 354 | F001B21D018 | 355 | F001C31A018 | 356 | F001D23A018.A | 356 | F001D42A018 |
| 354 | F001A21B030 | 354 | F001B21D030 | 355 | F001C31A030 | 356 | F001D23A030.A | 356 | F001D42A030 |
| 354 | F001A21B033 | 354 | F001B21D033 | 355 | F001C31A033 | 356 | F001D23A033.A | 356 | F001D42A033 |
| 354 | F001A21D001 | 354 | F001B31A001 | 355 | F001C32A001 | 356 | F001D23B001.A | 356 | F001D42B001 |
| 354 | F001A21D006 | 354 | F001B31A006 | 355 | F001C32A006 | 356 | F001D23B006.A | 356 | F001D42B006 |
| 354 | F001A21D012 | 354 | F001B31A012 | 355 | F001C32A012 | 356 | F001D23B012.A | 356 | F001D42B012 |
| 354 | F001A21D018 | 354 | F001B31A018 | 355 | F001C32A018 | 356 | F001D23B018.A | 356 | F001D42B018 |
| 354 | F001A21D030 | 354 | F001B31A030 | 355 | F001C32A030 | 356 | F001D23B030.A | 356 | F001D42B030 |
| 354 | F001A21D033 | 354 | F001B31A033 | 355 | F001C32A033 | 356 | F001D23B033.A | 356 | F001D42B033 |
| 354 | F001A31A001 | 354 | F001B31B001 | 355 | F001C33A001 | 356 | F001D31A001 | 356 | F001D43A001 |
| 354 | F001A31A006 | 354 | F001B31B006 | 355 | F001C33A006 | 356 | F001D31A006 | 356 | F001D43A006 |
| 354 | F001A31A012 | 354 | F001B31B012 | 355 | F001C33A012 | 356 | F001D31A012 | 356 | F001D43A012 |
| 354 | F001A31A018 | 354 | F001B31B018 | 355 | F001C33A018 | 356 | F001D31A018 | 356 | F001D43A018 |
| 354 | F001A31A030 | 354 | F001B31B030 | 355 | F001C33A030 | 356 | F001D31A030 | 356 | F001D43A030 |
| 354 | F001A31A033 | 354 | F001B31B033 | 355 | F001C33A033 | 356 | F001D31A033 | 356 | F001D43A033 |
| 354 | F001A31B001 | 354 | F001B31D001 | 355 | F001C41A001 | 356 | F001D31B001 | 356 | F001D43B001 |
| 354 | F001A31B006 | 354 | F001B31D006 | 355 | F001C41A006 | 356 | F001D31B006 | 356 | F001D43B006 |
| 354 | F001A31B012 | 354 | F001B31D012 | 355 | F001C41A012 | 356 | F001D31B012 | 356 | F001D43B012 |
| 354 | F001A31B018 | 354 | F001B31D018 | 355 | F001C41A018 | 356 | F001D31B018 | 356 | F001D43B018 |
| 354 | F001A31B030 | 354 | F001B31D030 | 355 | F001C41A030 | 356 | F001D31B030 | 356 | F001D43B030 |
| 354 | F001A31B033 | 354 | F001B31D033 | 355 | F001C41A033 | 356 | F001D31B033 | 356 | F001D43B033 |
| 354 | F001A31D001 | 354 | F001B41A001 | 355 | F001C42A001 | 356 | F001D32A001 | 357 | F001E21A001.A |
| 354 | F001A31D006 | 354 | F001B41A006 | 355 | F001C42A006 | 356 | F001D32A006 | 357 | F001E21A006.A |
| 354 | F001A31D012 | 354 | F001B41A012 | 355 | F001C42A012 | 356 | F001D32A012 | 357 | F001E21A012.A |
| 354 | F001A31D018 | 354 | F001B41A018 | 355 | F001C42A018 | 356 | F001D32A018 | 357 | F001E21A018.A |
| 354 | F001A31D030 | 354 | F001B41A030 | 355 | F001C42A030 | 356 | F001D32A030 | 357 | F001E21A030.A |
| 354 | F001A31D033 | 354 | F001B41A033 | 355 | F001C42A033 | 356 | F001D32A033 | 357 | F001E21A033.A |
| 354 | F001A41A001 | 354 | F001B41B001 | 355 | F001C43A001 | 356 | F001D32B001 | 357 | F001E21B001.A |
| 354 | F001A41A006 | 354 | F001B41B006 | 355 | F001C43A006 | 356 | F001D32B006 | 357 | F001E21B006.A |
| 354 | F001A41A012 | 354 | F001B41B012 | 355 | F001C43A012 | 356 | F001D32B012 | 357 | F001E21B012.A |
| 354 | F001A41A018 | 354 | F001B41B018 | 355 | F001C43A018 | 356 | F001D32B018 | 357 | F001E21B018.A |
| 354 | F001A41A030 | 354 | F001B41B030 | 355 | F001C43A030 | 356 | F001D32B030 | 357 | F001E21B030.A |
| 354 | F001A41A033 | 354 | F001B41B033 | 355 | F001C43A033 | 356 | F001D32B033 | 357 | F001E21B033.A |
| 354 | F001A41B001 | 354 | F001B41D001 | 356 | F001D21A001.A | 356 | F001D33A001 | 357 | F001E21D001.A |
| 354 | F001A41B006 | 354 | F001B41D006 | 356 | F001D21A006.A | 356 | F001D33A006 | 357 | F001E21D006.A |
| 354 | F001A41B012 | 354 | F001B41D012 | 356 | F001D21A012.A | 356 | F001D33A012 | 357 | F001E21D012.A |
| 354 | F001A41B018 | 354 | F001B41D018 | 356 | F001D21A018.A | 356 | F001D33A018 | 357 | F001E21D018.A |
| 354 | F001A41B030 | 354 | F001B41D030 | 356 | F001D21A030.A | 356 | F001D33A030 | 357 | F001E21D030.A |
| 354 | F001A41B033 | 354 | F001B41D033 | 356 | F001D21A033.A | 356 | F001D33A033 | 357 | F001E21D033.A |
| 354 | F001A41D001 | 355 | F001C21A001.A | 356 | F001D21B001.A | 356 | F001D33B001 | 357 | F001E22A001.A |
| 354 | F001A41D006 | 355 | F001C21A006.A | 356 | F001D21B006.A | 356 | F001D33B006 | 357 | F001E22A006.A |
| 354 | F001A41D012 | 355 | F001C21A012.A | 356 | F001D21B012.A | 356 | F001D33B012 | 357 | F001E22A012.A |
| 354 | F001A41D018 | 355 | F001C21A018.A | 356 | F001D21B018.A | 356 | F001D33B018 | 357 | F001E22A018.A |
| 354 | F001A41D030 | 355 | F001C21A030.A | 356 | F001D21B030.A | 356 | F001D33B030 | 357 | F001E22A030.A |
| 354 | F001A41D033 | 355 | F001C21A033.A | 356 | F001D21B033.A | 356 | F001D33B033 | 357 | F001E22A033.A |
| 354 | F001B21A001 | 355 | F001C22A001.A | 356 | F001D22A001.A | 356 | F001D41A001 | 357 | F001E22B001.A |
| 354 | F001B21A006 | 355 | F001C22A006.A | 356 | F001D22A006.A | 356 | F001D41A006 | 357 | F001E22B006.A |
| 354 | F001B21A012 | 355 | F001C22A012.A | 356 | F001D22A012.A | 356 | F001D41A012 | 357 | F001E22B012.A |
| 354 | F001B21A018 | 355 | F001C22A018.A | 356 | F001D22A018.A | 356 | F001D41A018 | 357 | F001E22B018.A |
| 354 | F001B21A030 | 355 | F001C22A030.A | 356 | F001D22A030.A | 356 | F001D41A030 | 357 | F001E22B030.A |
| 354 | F001B21A033 | 355 | F001C22A033.A | 356 | F001D22A033.A | 356 | F001D41A033 | 357 | F001E22B033.A |

| Page | Reference | Page | Reference | Page | Reference | Page | Reference | Page | Reference |
|---|---|---|---|---|---|---|---|---|---|
| 357 | F001E22D001.A | 357 | F001E33A001 | 357 | F001E43B001 | 358 | F001F43A001 | 359 | F001Z010000 |
| 357 | F001E22D006.A | 357 | F001E33A006 | 357 | F001E43B006 | 358 | F001F43A006 | 347 | F001Z020000 |
| 357 | F001E22D012.A | 357 | F001E33A012 | 357 | F001E43B012 | 358 | F001F43A012 | 359 | F001Z030000 |
| 357 | F001E22D018.A | 357 | F001E33A018 | 357 | F001E43B018 | 358 | F001F43A018 | 359 | F001Z040000 |
| 357 | F001E22D030.A | 357 | F001E33A030 | 357 | F001E43B030 | 358 | F001F43A030 | 366 | F002A20A001.B |
| 357 | F001E22D033.A | 357 | F001E33A033 | 357 | F001E43B033 | 358 | F001F43A033 | 366 | F002A20A006.B |
| 357 | F001E23A001.A | 357 | F001E33B001 | 357 | F001E43D001 | 359 | F001G21A001.A | 366 | F002A20A012.B |
| 357 | F001E23A006.A | 357 | F001E33B006 | 357 | F001E43D006 | 359 | F001G21A006.A | 366 | F002A20A018.B |
| 357 | F001E23A012.A | 357 | F001E33B012 | 357 | F001E43D012 | 359 | F001G21A012.A | 366 | F002A20A030.B |
| 357 | F001E23A018.A | 357 | F001E33B018 | 357 | F001E43D018 | 359 | F001G21A018.A | 366 | F002A20A033.B |
| 357 | F001E23A030.A | 357 | F001E33B030 | 357 | F001E43D030 | 359 | F001G21A030.A | 366 | F002A20B001.B |
| 357 | F001E23A033.A | 357 | F001E33B033 | 357 | F001E43D033 | 359 | F001G21A033.A | 366 | F002A20B006.B |
| 357 | F001E23B001.A | 357 | F001E33D001 | 358 | F001F21A001.A | 359 | F001G22A001.A | 366 | F002A20B012.B |
| 357 | F001E23B006.A | 357 | F001E33D006 | 358 | F001F21A006.A | 359 | F001G22A006.A | 366 | F002A20B018.B |
| 357 | F001E23B012.A | 357 | F001E33D012 | 358 | F001F21A012.A | 359 | F001G22A012.A | 366 | F002A20B030.B |
| 357 | F001E23B018.A | 357 | F001E33D018 | 358 | F001F21A018.A | 359 | F001G22A018.A | 366 | F002A20B033.B |
| 357 | F001E23B030.A | 357 | F001E33D030 | 358 | F001F21A030.A | 359 | F001G22A030.A | 366 | F002A20D001.B |
| 357 | F001E23B033.A | 357 | F001E33D033 | 358 | F001F21A033.A | 359 | F001G22A033.A | 366 | F002A20D006.B |
| 357 | F001E23D001.A | 357 | F001E41A001 | 358 | F001F22A001.A | 359 | F001G23A001.A | 366 | F002A20D012.B |
| 357 | F001E23D006.A | 357 | F001E41A006 | 358 | F001F22A006.A | 359 | F001G23A006.A | 366 | F002A20D018.B |
| 357 | F001E23D012.A | 357 | F001E41A012 | 358 | F001F22A012.A | 359 | F001G23A012.A | 366 | F002A20D030.B |
| 357 | F001E23D018.A | 357 | F001E41A018 | 358 | F001F22A018.A | 359 | F001G23A018.A | 366 | F002A20D033.B |
| 357 | F001E23D030.A | 357 | F001E41A030 | 358 | F001F22A030.A | 359 | F001G23A030.A | 366 | F002A21A070.B |
| 357 | F001E23D033.A | 357 | F001E41A033 | 358 | F001F22A033.A | 359 | F001G23A033.A | 366 | F002A21A071.B |
| 357 | F001E31A001 | 357 | F001E41B001 | 358 | F001F23A001.A | 359 | F001G31A001 | 366 | F002A21B070.B |
| 357 | F001E31A006 | 357 | F001E41B006 | 358 | F001F23A006.A | 359 | F001G31A006 | 366 | F002A21B071.B |
| 357 | F001E31A012 | 357 | F001E41B012 | 358 | F001F23A012.A | 359 | F001G31A012 | 366 | F002A21D070.B |
| 357 | F001E31A018 | 357 | F001E41B018 | 358 | F001F23A018.A | 359 | F001G31A018 | 366 | F002A21D071.B |
| 357 | F001E31A030 | 357 | F001E41B030 | 358 | F001F23A030.A | 359 | F001G31A030 | 366 | F002A30A001.B |
| 357 | F001E31A033 | 357 | F001E41B033 | 358 | F001F23A033.A | 359 | F001G31A033 | 366 | F002A30A006.B |
| 357 | F001E31B001 | 357 | F001E41D001 | 358 | F001F31A001 | 359 | F001G32A001 | 366 | F002A30A012.B |
| 357 | F001E31B006 | 357 | F001E41D006 | 358 | F001F31A006 | 359 | F001G32A006 | 366 | F002A30A018.B |
| 357 | F001E31B012 | 357 | F001E41D012 | 358 | F001F31A012 | 359 | F001G32A012 | 366 | F002A30A030.B |
| 357 | F001E31B018 | 357 | F001E41D018 | 358 | F001F31A018 | 359 | F001G32A018 | 366 | F002A30A033.B |
| 357 | F001E31B030 | 357 | F001E41D030 | 358 | F001F31A030 | 359 | F001G32A030 | 366 | F002A30B001.B |
| 357 | F001E31B033 | 357 | F001E41D033 | 358 | F001F31A033 | 359 | F001G32A033 | 366 | F002A30B006.B |
| 357 | F001E31D001 | 357 | F001E42A001 | 358 | F001F32A001 | 359 | F001G33A001 | 366 | F002A30B012.B |
| 357 | F001E31D006 | 357 | F001E42A006 | 358 | F001F32A006 | 359 | F001G33A006 | 366 | F002A30B018.B |
| 357 | F001E31D012 | 357 | F001E42A012 | 358 | F001F32A012 | 359 | F001G33A012 | 366 | F002A30B030.B |
| 357 | F001E31D018 | 357 | F001E42A018 | 358 | F001F32A018 | 359 | F001G33A018 | 366 | F002A30B033.B |
| 357 | F001E31D030 | 357 | F001E42A030 | 358 | F001F32A030 | 359 | F001G33A030 | 366 | F002A30D001.B |
| 357 | F001E31D033 | 357 | F001E42A033 | 358 | F001F32A033 | 359 | F001G33A033 | 366 | F002A30D006.B |
| 357 | F001E32A001 | 357 | F001E42B001 | 358 | F001F33A001 | 359 | F001G41A001 | 366 | F002A30D012.B |
| 357 | F001E32A006 | 357 | F001E42B006 | 358 | F001F33A006 | 359 | F001G41A006 | 366 | F002A30D018.B |
| 357 | F001E32A012 | 357 | F001E42B012 | 358 | F001F33A012 | 359 | F001G41A012 | 366 | F002A30D030.B |
| 357 | F001E32A018 | 357 | F001E42B018 | 358 | F001F33A018 | 359 | F001G41A018 | 366 | F002A30D033.B |
| 357 | F001E32A030 | 357 | F001E42B030 | 358 | F001F33A030 | 359 | F001G41A030 | 366 | F002A31A070.B |
| 357 | F001E32A033 | 357 | F001E42B033 | 358 | F001F33A033 | 359 | F001G41A033 | 366 | F002A31A071.B |
| 357 | F001E32B001 | 357 | F001E42D001 | 358 | F001F41A001 | 359 | F001G42A001 | 366 | F002A31B070.B |
| 357 | F001E32B006 | 357 | F001E42D006 | 358 | F001F41A006 | 359 | F001G42A006 | 366 | F002A31B071.B |
| 357 | F001E32B012 | 357 | F001E42D012 | 358 | F001F41A012 | 359 | F001G42A012 | 366 | F002A31D070.B |
| 357 | F001E32B018 | 357 | F001E42D018 | 358 | F001F41A018 | 359 | F001G42A018 | 366 | F002A31D071.B |
| 357 | F001E32B030 | 357 | F001E42D030 | 358 | F001F41A030 | 359 | F001G42A030 | 366 | F002A40A001.A |
| 357 | F001E32B033 | 357 | F001E42D033 | 358 | F001F41A033 | 359 | F001G42A033 | 366 | F002A40A006.A |
| 357 | F001E32D001 | 357 | F001E43A001 | 358 | F001F42A001 | 359 | F001G43A001 | 366 | F002A40A012.A |
| 357 | F001E32D006 | 357 | F001E43A006 | 358 | F001F42A006 | 359 | F001G43A006 | 366 | F002A40A018.A |
| 357 | F001E32D012 | 357 | F001E43A012 | 358 | F001F42A012 | 359 | F001G43A012 | 366 | F002A40A030.A |
| 357 | F001E32D018 | 357 | F001E43A018 | 358 | F001F42A018 | 359 | F001G43A018 | 366 | F002A40A033.A |
| 357 | F001E32D030 | 357 | F001E43A030 | 358 | F001F42A030 | 359 | F001G43A030 | 366 | F002A40B001.A |
| 357 | F001E32D033 | 357 | F001E43A033 | 358 | F001F42A033 | 359 | F001G43A033 | 366 | F002A40B006.A |

| Page | Reference | Page | Reference | Page | Reference | Page | Reference | Page | Reference |
|---|---|---|---|---|---|---|---|---|---|
| 366 | F002A40B012.A | 367 | F002B31B070.B | 317 | F003A21D030 | 318 | F003B21D006 | 316 | F003C21B033 |
| 366 | F002A40B018.A | 367 | F002B31B071.B | 317 | F003A21D033 | 318 | F003B21D012 | 316 | F003C21B056 |
| 366 | F002A40B030.A | 367 | F002B31D070.B | 317 | F003A21D056 | 318 | F003B21D018 | 316 | F003C21D001 |
| 366 | F002A40B033.A | 367 | F002B31D071.B | 317 | F003A31A001 | 318 | F003B21D030 | 316 | F003C21D006 |
| 366 | F002A40D001.A | 367 | F002B40A001.A | 317 | F003A31A006 | 318 | F003B21D033 | 316 | F003C21D012 |
| 366 | F002A40D006.A | 367 | F002B40A006.A | 317 | F003A31A012 | 318 | F003B21D056 | 316 | F003C21D018 |
| 366 | F002A40D012.A | 367 | F002B40A012.A | 317 | F003A31A018 | 318 | F003B31A001 | 316 | F003C21D030 |
| 366 | F002A40D018.A | 367 | F002B40A018.A | 317 | F003A31A030 | 318 | F003B31A006 | 316 | F003C21D033 |
| 366 | F002A40D030.A | 367 | F002B40A030.A | 317 | F003A31A033 | 318 | F003B31A012 | 316 | F003C21D056 |
| 366 | F002A40D033.A | 367 | F002B40A033.A | 317 | F003A31A056 | 318 | F003B31A018 | 316 | F003C31A001 |
| 366 | F002A41A070.A | 367 | F002B40B001.A | 317 | F003A31B001 | 318 | F003B31A030 | 316 | F003C31A006 |
| 366 | F002A41A071.A | 367 | F002B40B006.A | 317 | F003A31B006 | 318 | F003B31A033 | 316 | F003C31A012 |
| 366 | F002A41B070.A | 367 | F002B40B012.A | 317 | F003A31B012 | 318 | F003B31A056 | 316 | F003C31A018 |
| 366 | F002A41B071.A | 367 | F002B40B018.A | 317 | F003A31B018 | 318 | F003B31B001 | 316 | F003C31A030 |
| 366 | F002A41D070.A | 367 | F002B40B030.A | 317 | F003A31B030 | 318 | F003B31B006 | 316 | F003C31A033 |
| 366 | F002A41D071.A | 367 | F002B40B033.A | 317 | F003A31B033 | 318 | F003B31B012 | 316 | F003C31A056 |
| 367 | F002B20A001.B | 367 | F002B40D001.A | 317 | F003A31B056 | 318 | F003B31B018 | 316 | F003C31B001 |
| 367 | F002B20A006.B | 367 | F002B40D006.A | 317 | F003A31D001 | 318 | F003B31B030 | 316 | F003C31B006 |
| 367 | F002B20A012.B | 367 | F002B40D012.A | 317 | F003A31D006 | 318 | F003B31B033 | 316 | F003C31B012 |
| 367 | F002B20A018.B | 367 | F002B40D018.A | 317 | F003A31D012 | 318 | F003B31B056 | 316 | F003C31B018 |
| 367 | F002B20A030.B | 367 | F002B40D030.A | 317 | F003A31D018 | 318 | F003B31D001 | 316 | F003C31B030 |
| 367 | F002B20A033.B | 367 | F002B40D033.A | 317 | F003A31D030 | 318 | F003B31D006 | 316 | F003C31B033 |
| 367 | F002B20B001.B | 367 | F002B41A070.A | 317 | F003A31D033 | 318 | F003B31D012 | 316 | F003C31B056 |
| 367 | F002B20B006.B | 367 | F002B41A071.A | 317 | F003A31D056 | 318 | F003B31D018 | 316 | F003C31D001 |
| 367 | F002B20B012.B | 367 | F002B41B070.A | 317 | F003A41A001 | 318 | F003B31D030 | 316 | F003C31D006 |
| 367 | F002B20B018.B | 367 | F002B41B071.A | 317 | F003A41A006 | 318 | F003B31D033 | 316 | F003C31D012 |
| 367 | F002B20B030.B | 367 | F002B41D070.A | 317 | F003A41A012 | 318 | F003B31D056 | 316 | F003C31D018 |
| 367 | F002B20B033.B | 367 | F002B41D071.A | 317 | F003A41A018 | 318 | F003B41A001 | 316 | F003C31D030 |
| 367 | F002B20D001.B | 368 | F002Z010001.A | 317 | F003A41A030 | 318 | F003B41A006 | 316 | F003C31D033 |
| 367 | F002B20D006.B | 368 | F002Z010006.A | 317 | F003A41A033 | 318 | F003B41A012 | 316 | F003C31D056 |
| 367 | F002B20D012.B | 368 | F002Z010012.A | 317 | F003A41A056 | 318 | F003B41A018 | 316 | F003C41A001 |
| 367 | F002B20D018.B | 368 | F002Z010018.A | 317 | F003A41B001 | 318 | F003B41A030 | 316 | F003C41A006 |
| 367 | F002B20D030.B | 368 | F002Z010030.A | 317 | F003A41B006 | 318 | F003B41A033 | 316 | F003C41A012 |
| 367 | F002B20D033.B | 368 | F002Z010033.A | 317 | F003A41B012 | 318 | F003B41A056 | 316 | F003C41A018 |
| 367 | F002B21A070.B | 368 | F002Z020000 | 317 | F003A41B018 | 318 | F003B41B001 | 316 | F003C41A030 |
| 367 | F002B21A071.B | 368 | F002Z030000.A | 317 | F003A41B030 | 318 | F003B41B006 | 316 | F003C41A033 |
| 367 | F002B21B070.B | 368 | F002Z040070 | 317 | F003A41B033 | 318 | F003B41B012 | 316 | F003C41A056 |
| 367 | F002B21B071.B | 368 | F002Z040071 | 317 | F003A41B056 | 318 | F003B41B018 | 316 | F003C41B001 |
| 367 | F002B21D070.B | 368 | F002Z040073 | 317 | F003A41D001 | 318 | F003B41B030 | 316 | F003C41B006 |
| 367 | F002B21D071.B | 368 | F002Z050070 | 317 | F003A41D006 | 318 | F003B41B033 | 316 | F003C41B012 |
| 367 | F002B30A001.B | 368 | F002Z050071 | 317 | F003A41D012 | 318 | F003B41B056 | 316 | F003C41B018 |
| 367 | F002B30A006.B | 368 | F002Z050073 | 317 | F003A41D018 | 318 | F003B41D001 | 316 | F003C41B030 |
| 367 | F002B30A012.B | 317 | F003A21A001 | 317 | F003A41D030 | 318 | F003B41D006 | 316 | F003C41B033 |
| 367 | F002B30A018.B | 317 | F003A21A006 | 317 | F003A41D033 | 318 | F003B41D012 | 316 | F003C41B056 |
| 367 | F002B30A030.B | 317 | F003A21A012 | 317 | F003A41D056 | 318 | F003B41D018 | 316 | F003C41D001 |
| 367 | F002B30A033.B | 317 | F003A21A018 | 318 | F003B21A001 | 318 | F003B41D030 | 316 | F003C41D006 |
| 367 | F002B30B001.B | 317 | F003A21A030 | 318 | F003B21A006 | 318 | F003B41D033 | 316 | F003C41D012 |
| 367 | F002B30B006.B | 317 | F003A21A033 | 318 | F003B21A012 | 318 | F003B41D056 | 316 | F003C41D018 |
| 367 | F002B30B012.B | 317 | F003A21A056 | 318 | F003B21A018 | 316 | F003C21A001 | 316 | F003C41D030 |
| 367 | F002B30B018.B | 317 | F003A21B001 | 318 | F003B21A030 | 316 | F003C21A006 | 316 | F003C41D033 |
| 367 | F002B30B030.B | 317 | F003A21B006 | 318 | F003B21A033 | 316 | F003C21A012 | 316 | F003C41D056 |
| 367 | F002B30B033.B | 317 | F003A21B012 | 318 | F003B21A056 | 316 | F003C21A018 | 320 | F003G21A006 |
| 367 | F002B30D001.B | 317 | F003A21B018 | 318 | F003B21B001 | 316 | F003C21A030 | 320 | F003G21A018 |
| 367 | F002B30D006.B | 317 | F003A21B030 | 318 | F003B21B006 | 316 | F003C21A033 | 320 | F003G21A033 |
| 367 | F002B30D012.B | 317 | F003A21B033 | 318 | F003B21B012 | 316 | F003C21A056 | 320 | F003G21B006 |
| 367 | F002B30D018.B | 317 | F003A21B056 | 318 | F003B21B018 | 316 | F003C21B001 | 320 | F003G21B018 |
| 367 | F002B30D030.B | 317 | F003A21D001 | 318 | F003B21B030 | 316 | F003C21B006 | 320 | F003G21B033 |
| 367 | F002B30D033.B | 317 | F003A21D006 | 318 | F003B21B033 | 316 | F003C21B012 | 320 | F003G21D006 |
| 367 | F002B31A070.B | 317 | F003A21D012 | 318 | F003B21B056 | 316 | F003C21B018 | 320 | F003G21D018 |
| 367 | F002B31A071.B | 317 | F003A21D018 | 318 | F003B21D001 | 316 | F003C21B030 | 320 | F003G21D033 |

| Page | Reference | Page | Reference | Page | Reference | Page | Reference | Page | Reference |
|---|---|---|---|---|---|---|---|---|---|
| 320 | F003G31A006 | 320 | F003K31D006 | 305 | F004A35A056 | 301 | F004C30A012 | 299 | F004E31A012 |
| 320 | F003G31A018 | 320 | F003K31D018 | 305 | F004A35H056 | 301 | F004C30A018 | 299 | F004E31A018 |
| 320 | F003G31A033 | 320 | F003K31D033 | 304 | F004A36A05601 | 301 | F004C30A030 | 299 | F004E31A030 |
| 320 | F003G31B006 | 320 | F003K41A006 | 304 | F004A37A05602 | 301 | F004C30A033 | 299 | F004E31A033 |
| 320 | F003G31B018 | 320 | F003K41A018 | 304 | F004A41A056 | 301 | F004C40A001 | 299 | F004E32A001 |
| 320 | F003G31B033 | 320 | F003K41A033 | 304 | F004A41H056 | 301 | F004C40A006 | 299 | F004E32A006 |
| 320 | F003G31D006 | 320 | F003K41B006 | 304 | F004A42A056 | 301 | F004C40A012 | 299 | F004E32A012 |
| 320 | F003G31D018 | 320 | F003K41B018 | 304 | F004A42H056 | 301 | F004C40A018 | 299 | F004E32A018 |
| 320 | F003G31D033 | 320 | F003K41B033 | 304 | F004A43A056 | 301 | F004C40A030 | 299 | F004E32A030 |
| 320 | F003G41A006 | 320 | F003K41D006 | 304 | F004A43H056 | 301 | F004C40A033 | 299 | F004E32A033 |
| 320 | F003G41A018 | 320 | F003K41D018 | 305 | F004A44A056 | 298 | F004D21A001 | 299 | F004E41A001 |
| 320 | F003G41A033 | 320 | F003K41D033 | 305 | F004A44H056 | 298 | F004D21A006 | 299 | F004E41A006 |
| 320 | F003G41B006 | 319 | F003L21A006 | 305 | F004A45A056 | 298 | F004D21A012 | 299 | F004E41A012 |
| 320 | F003G41B018 | 319 | F003L21A018 | 305 | F004A45H056 | 298 | F004D21A018 | 299 | F004E41A018 |
| 320 | F003G41B033 | 319 | F003L21A033 | 304 | F004A46A05601 | 298 | F004D21A030 | 299 | F004E41A030 |
| 320 | F003G41D006 | 319 | F003L21B006 | 304 | F004A47A05602 | 298 | F004D21A033 | 299 | F004E41A033 |
| 320 | F003G41D018 | 319 | F003L21B018 | 306 | F004B21A056 | 298 | F004D22A001 | 299 | F004E42A001 |
| 320 | F003G41D033 | 319 | F003L21B033 | 306 | F004B21H056 | 298 | F004D22A006 | 299 | F004E42A006 |
| 319 | F003H21A006 | 319 | F003L21D006 | 306 | F004B22A056 | 298 | F004D22A012 | 299 | F004E42A012 |
| 319 | F003H21A018 | 319 | F003L21D018 | 306 | F004B22H056 | 298 | F004D22A018 | 299 | F004E42A018 |
| 319 | F003H21A033 | 319 | F003L21D033 | 306 | F004B23A056 | 298 | F004D22A030 | 299 | F004E42A030 |
| 319 | F003H21B006 | 319 | F003L31A006 | 306 | F004B23H056 | 298 | F004D22A033 | 299 | F004E42A033 |
| 319 | F003H21B018 | 319 | F003L31A018 | 307 | F004B24A056 | 298 | F004D31A001 | 298 | F004F21A071 |
| 319 | F003H21B033 | 319 | F003L31A033 | 307 | F004B24H056 | 298 | F004D31A006 | 298 | F004F22A071 |
| 319 | F003H21D006 | 319 | F003L31B006 | 307 | F004B25A056 | 298 | F004D31A012 | 298 | F004F31A071 |
| 319 | F003H21D018 | 319 | F003L31B018 | 307 | F004B25H056 | 298 | F004D31A018 | 298 | F004F32A071 |
| 319 | F003H21D033 | 319 | F003L31B033 | 306 | F004B26A05601 | 298 | F004D31A030 | 298 | F004F41A071 |
| 319 | F003H31A006 | 319 | F003L31D006 | 306 | F004B27A05602 | 298 | F004D31A033 | 298 | F004F42A071 |
| 319 | F003H31A018 | 319 | F003L31D018 | 306 | F004B31A056 | 298 | F004D32A001 | 299 | F004G21A071 |
| 319 | F003H31A033 | 319 | F003L31D033 | 306 | F004B31H056 | 298 | F004D32A006 | 299 | F004G22A071.A |
| 319 | F003H31B006 | 319 | F003L41A006 | 306 | F004B32A056 | 298 | F004D32A012 | 299 | F004G31A071 |
| 319 | F003H31B018 | 319 | F003L41A018 | 306 | F004B32H056 | 298 | F004D32A018 | 299 | F004G32A071 |
| 319 | F003H31B033 | 319 | F003L41A033 | 306 | F004B33A056 | 298 | F004D32A030 | 299 | F004G41A071 |
| 319 | F003H31D006 | 319 | F003L41B006 | 306 | F004B33H056 | 298 | F004D32A033 | 299 | F004G42A071 |
| 319 | F003H31D018 | 319 | F003L41B018 | 307 | F004B34A056 | 298 | F004D41A001 | 301 | F004H20A071 |
| 319 | F003H31D033 | 319 | F003L41B033 | 307 | F004B34H056 | 298 | F004D41A006 | 301 | F004H30A071 |
| 319 | F003H41A006 | 319 | F003L41D006 | 307 | F004B35A056 | 298 | F004D41A012 | 301 | F004H40A071 |
| 319 | F003H41A018 | 319 | F003L41D018 | 307 | F004B35H056 | 298 | F004D41A018 | 300 | F004Z010001 |
| 319 | F003H41A033 | 319 | F003L41D033 | 306 | F004B36A05601 | 298 | F004D41A030 | 300 | F004Z010006 |
| 319 | F003H41B006 | 318 | F003Z010000 | 306 | F004B37A05602 | 298 | F004D41A033 | 300 | F004Z010012 |
| 319 | F003H41B018 | 304 | F004A21A056 | 306 | F004B41A056 | 298 | F004D42A001 | 300 | F004Z010018 |
| 319 | F003H41B033 | 304 | F004A21H056 | 306 | F004B41H056 | 298 | F004D42A006 | 300 | F004Z010030 |
| 319 | F003H41D006 | 304 | F004A22A056 | 306 | F004B42A056 | 298 | F004D42A012 | 300 | F004Z010033 |
| 319 | F003H41D018 | 304 | F004A22H056 | 306 | F004B42H056 | 298 | F004D42A018 | 300 | F004Z020001 |
| 319 | F003H41D033 | 304 | F004A23A056 | 306 | F004B43A056 | 298 | F004D42A030 | 300 | F004Z020006 |
| 320 | F003K21A006 | 304 | F004A23H056 | 306 | F004B43H056 | 298 | F004D42A033 | 300 | F004Z020012 |
| 320 | F003K21A018 | 305 | F004A24A056 | 307 | F004B44A056 | 299 | F004E21A001 | 300 | F004Z020018 |
| 320 | F003K21A033 | 305 | F004A24H056 | 307 | F004B44H056 | 299 | F004E21A006 | 300 | F004Z020030 |
| 320 | F003K21B006 | 305 | F004A25A056 | 307 | F004B45A056 | 299 | F004E21A012 | 300 | F004Z020033 |
| 320 | F003K21B018 | 305 | F004A25H056 | 307 | F004B45H056 | 299 | F004E21A018 | 300 | F004Z030001 |
| 320 | F003K21B033 | 304 | F004A26A05601 | 306 | F004B46A05601 | 299 | F004E21A030 | 300 | F004Z030006 |
| 320 | F003K21D006 | 304 | F004A27A05602 | 306 | F004B47A05602 | 299 | F004E21A033 | 300 | F004Z030012 |
| 320 | F003K21D018 | 304 | F004A31A056 | 301 | F004C20A001 | 299 | F004E22A001.A | 300 | F004Z030018 |
| 320 | F003K21D033 | 304 | F004A31H056 | 301 | F004C20A006 | 299 | F004E22A006.A | 300 | F004Z030030 |
| 320 | F003K31A006 | 304 | F004A32A056 | 301 | F004C20A012 | 299 | F004E22A012.A | 300 | F004Z030033 |
| 320 | F003K31A018 | 304 | F004A32H056 | 301 | F004C20A018 | 299 | F004E22A018.A | 300 | F004Z040001 |
| 320 | F003K31A033 | 304 | F004A33A056 | 301 | F004C20A030 | 299 | F004E22A030.A | 300 | F004Z040006 |
| 320 | F003K31B006 | 304 | F004A33H056 | 301 | F004C20A033 | 299 | F004E22A033.A | 300 | F004Z040012 |
| 320 | F003K31B018 | 305 | F004A34A056 | 301 | F004C30A001 | 299 | F004E31A001 | 300 | F004Z040018 |
| 320 | F003K31B033 | 305 | F004A34H056 | 301 | F004C30A006 | 299 | F004E31A006 | 300 | F004Z040030 |

| Page | Reference | Page | Reference | Page | Reference | Page | Reference | Page | Reference |
|---|---|---|---|---|---|---|---|---|---|
| 300 | F004Z040033 | 345 | F010B31A001 | 346 | F010C22A001 | 344 | F010H21B001 | 344 | F010J31D001 |
| 300 | F004Z060000 | 345 | F010B31A006 | 346 | F010C22A006 | 344 | F010H21B006 | 344 | F010J31D006 |
| 300 | F004Z070000 | 345 | F010B31A012 | 346 | F010C22A012 | 344 | F010H21B012 | 344 | F010J31D012 |
| 300 | F004Z0A0071 | 345 | F010B31A018 | 346 | F010C22A018 | 344 | F010H21B018 | 344 | F010J31D018 |
| 300 | F004Z0B0000 | 345 | F010B31A030 | 346 | F010C22A030 | 344 | F010H21B030 | 344 | F010J31D030 |
| 300 | F004Z0C0000 | 345 | F010B31A033 | 346 | F010C22A033 | 344 | F010H21B033 | 344 | F010J31D033 |
| 300 | F004Z0D0071 | 345 | F010B31B001 | 346 | F010C22B001 | 344 | F010H31A001 | 344 | F010J41A001 |
| 300 | F004Z0E0071 | 345 | F010B31B006 | 346 | F010C22B006 | 344 | F010H31A006 | 344 | F010J41A006 |
| 300 | F004Z0F0071 | 345 | F010B31B012 | 346 | F010C22B012 | 344 | F010H31A012 | 344 | F010J41A012 |
| 300 | F004Z0H0000 | 345 | F010B31B018 | 346 | F010C22B018 | 344 | F010H31A018 | 344 | F010J41A018 |
| 305 | F004Z0J0000 | 345 | F010B31B030 | 346 | F010C22B030 | 344 | F010H31A030 | 344 | F010J41A030 |
| 300 | F004Z0L0000 | 345 | F010B31B033 | 346 | F010C22B033 | 344 | F010H31A033 | 344 | F010J41A033 |
| 342 | F010A20H001 | 345 | F010B32A001 | 346 | F010C22D001 | 344 | F010H31B001 | 344 | F010J41B001 |
| 342 | F010A20H006 | 345 | F010B32A006 | 346 | F010C22D006 | 344 | F010H31B006 | 344 | F010J41B006 |
| 342 | F010A20H012 | 345 | F010B32A012 | 346 | F010C22D012 | 344 | F010H31B012 | 344 | F010J41B012 |
| 342 | F010A20H018 | 345 | F010B32A018 | 346 | F010C22D018 | 344 | F010H31B018 | 344 | F010J41B018 |
| 342 | F010A20H030 | 345 | F010B32A030 | 346 | F010C22D030 | 344 | F010H31B030 | 344 | F010J41B030 |
| 342 | F010A20H033 | 345 | F010B32A033 | 346 | F010C22D033 | 344 | F010H31B033 | 344 | F010J41B033 |
| 342 | F010A30H001 | 345 | F010B32B001 | 346 | F010C32A001 | 344 | F010H41A001 | 344 | F010J41D001 |
| 342 | F010A30H006 | 345 | F010B32B006 | 346 | F010C32A006 | 344 | F010H41A006 | 344 | F010J41D006 |
| 342 | F010A30H012 | 345 | F010B32B012 | 346 | F010C32A012 | 344 | F010H41A012 | 344 | F010J41D012 |
| 342 | F010A30H018 | 345 | F010B32B018 | 346 | F010C32A018 | 344 | F010H41A018 | 344 | F010J41D018 |
| 342 | F010A30H030 | 345 | F010B32B030 | 346 | F010C32A030 | 344 | F010H41A030 | 344 | F010J41D030 |
| 342 | F010A30H033 | 345 | F010B32B033 | 346 | F010C32A033 | 344 | F010H41A033 | 344 | F010J41D033 |
| 342 | F010A40H001 | 345 | F010B32D001 | 346 | F010C32B001 | 344 | F010H41B001 | 246 | F011A21F018.A |
| 342 | F010A40H006 | 345 | F010B32D006 | 346 | F010C32B006 | 344 | F010H41B006 | 246 | F011A22F030.A |
| 342 | F010A40H012 | 345 | F010B32D012 | 346 | F010C32B012 | 344 | F010H41B012 | 246 | F011A22F037.A |
| 342 | F010A40H018 | 345 | F010B32D018 | 346 | F010C32B018 | 344 | F010H41B018 | 246 | F011A23F059.A |
| 342 | F010A40H030 | 345 | F010B32D030 | 346 | F010C32B030 | 344 | F010H41B030 | 246 | F011A24F055.A |
| 342 | F010A40H033 | 345 | F010B32D033 | 346 | F010C32B033 | 344 | F010H41B033 | 246 | F011A31F018.A |
| 345 | F010B21A001 | 345 | F010B41A001 | 346 | F010C32D001 | 344 | F010J21A001 | 246 | F011A32F030.A |
| 345 | F010B21A006 | 345 | F010B41A006 | 346 | F010C32D006 | 344 | F010J21A006 | 246 | F011A32F037.A |
| 345 | F010B21A012 | 345 | F010B41A012 | 346 | F010C32D012 | 344 | F010J21A012 | 246 | F011A33F059.A |
| 345 | F010B21A018 | 345 | F010B41A018 | 346 | F010C32D018 | 344 | F010J21A018 | 246 | F011A34F055.A |
| 345 | F010B21A030 | 345 | F010B41A030 | 346 | F010C32D030 | 344 | F010J21A030 | 246 | F011A41F018.A |
| 345 | F010B21A033 | 345 | F010B41A033 | 346 | F010C32D033 | 344 | F010J21A033 | 246 | F011A42F030.A |
| 345 | F010B21B001 | 345 | F010B41B001 | 346 | F010C42A001 | 344 | F010J21B001 | 246 | F011A42F037.A |
| 345 | F010B21B006 | 345 | F010B41B006 | 346 | F010C42A006 | 344 | F010J21B006 | 246 | F011A43F059.A |
| 345 | F010B21B012 | 345 | F010B41B012 | 346 | F010C42A012 | 344 | F010J21B012 | 246 | F011A44F055.A |
| 345 | F010B21B018 | 345 | F010B41B018 | 346 | F010C42A018 | 344 | F010J21B018 | 248 | F011D20A018 |
| 345 | F010B21B030 | 345 | F010B41B030 | 346 | F010C42A030 | 344 | F010J21B030 | 248 | F011D20A030 |
| 345 | F010B21B033 | 345 | F010B41B033 | 346 | F010C42A033 | 344 | F010J21B033 | 248 | F011D20A037 |
| 345 | F010B22A001 | 345 | F010B42A001 | 346 | F010C42B001 | 344 | F010J21D001 | 248 | F011D20A055 |
| 345 | F010B22A006 | 345 | F010B42A006 | 346 | F010C42B006 | 344 | F010J21D006 | 248 | F011D20A059 |
| 345 | F010B22A012 | 345 | F010B42A012 | 346 | F010C42B012 | 344 | F010J21D012 | 248 | F011D20B018 |
| 345 | F010B22A018 | 345 | F010B42A018 | 346 | F010C42B018 | 344 | F010J21D018 | 248 | F011D20B030 |
| 345 | F010B22A030 | 345 | F010B42A030 | 346 | F010C42B030 | 344 | F010J21D030 | 248 | F011D20B037 |
| 345 | F010B22A033 | 345 | F010B42A033 | 346 | F010C42B033 | 344 | F010J21D033 | 248 | F011D20B055 |
| 345 | F010B22B001 | 345 | F010B42B001 | 346 | F010C42D001 | 344 | F010J31A001 | 248 | F011D20B059 |
| 345 | F010B22B006 | 345 | F010B42B006 | 346 | F010C42D006 | 344 | F010J31A006 | 248 | F011D20D018 |
| 345 | F010B22B012 | 345 | F010B42B012 | 346 | F010C42D012 | 344 | F010J31A012 | 248 | F011D20D030 |
| 345 | F010B22B018 | 345 | F010B42B018 | 346 | F010C42D018 | 344 | F010J31A018 | 248 | F011D20D037 |
| 345 | F010B22B030 | 345 | F010B42B030 | 346 | F010C42D030 | 344 | F010J31A030 | 248 | F011D20D055 |
| 345 | F010B22B033 | 345 | F010B42B033 | 346 | F010C42D033 | 344 | F010J31A033 | 248 | F011D20D059 |
| 345 | F010B22D001 | 345 | F010B42D001 | 344 | F010H21A001 | 344 | F010J31B001 | 248 | F011D30A018 |
| 345 | F010B22D006 | 345 | F010B42D006 | 344 | F010H21A006 | 344 | F010J31B006 | 248 | F011D30A030 |
| 345 | F010B22D012 | 345 | F010B42D012 | 344 | F010H21A012 | 344 | F010J31B012 | 248 | F011D30A037 |
| 345 | F010B22D018 | 345 | F010B42D018 | 344 | F010H21A018 | 344 | F010J31B018 | 248 | F011D30A055 |
| 345 | F010B22D030 | 345 | F010B42D030 | 344 | F010H21A030 | 344 | F010J31B030 | 248 | F011D30A059 |
| 345 | F010B22D033 | 345 | F010B42D033 | 344 | F010H21A033 | 344 | F010J31B033 | 248 | F011D30B018 |

| Page | Reference | Page | Reference | Page | Reference | Page | Reference | Page | Reference |
|---|---|---|---|---|---|---|---|---|---|
| 248 | F011D30B030 | 248 | F011E40B030 | 257 | F012B02C030.A | 222 | F015A41A018 | 223 | F015B41A001 |
| 248 | F011D30B037 | 248 | F011E40B037 | 257 | F012B02C037.A | 222 | F015A41A030 | 223 | F015B41A006 |
| 248 | F011D30B055 | 248 | F011E40B055 | 257 | F012B03C059.A | 222 | F015A41A033 | 223 | F015B41A012 |
| 248 | F011D30B059 | 248 | F011E40B059 | 257 | F012B04C055.A | 222 | F015A42A000 | 223 | F015B41A018 |
| 248 | F011D30D018 | 248 | F011E40D018 | 256 | F012H00C018 | 222 | F015A42A001 | 223 | F015B41A030 |
| 248 | F011D30D030 | 248 | F011E40D030 | 256 | F012H00C030 | 222 | F015A42A006 | 223 | F015B41A033 |
| 248 | F011D30D037 | 248 | F011E40D037 | 256 | F012H00C037 | 222 | F015A42A012 | 223 | F015B42A000 |
| 248 | F011D30D055 | 248 | F011E40D055 | 256 | F012H00C055 | 222 | F015A42A018 | 223 | F015B42A001 |
| 248 | F011D30D059 | 248 | F011E40D059 | 256 | F012H00C059 | 222 | F015A42A030 | 223 | F015B42A006 |
| 248 | F011D40A018 | 247 | F011W20A018 | 256 | F012J00C018 | 222 | F015A42A033 | 223 | F015B42A012 |
| 248 | F011D40A030 | 247 | F011W20A030 | 256 | F012J00C030 | 224 | F015A43A000 | 223 | F015B42A018 |
| 248 | F011D40A037 | 247 | F011W20A037 | 256 | F012J00C037 | 224 | F015A43A001 | 223 | F015B42A030 |
| 248 | F011D40A055 | 247 | F011W20A055 | 256 | F012J00C055 | 224 | F015A43A006 | 223 | F015B42A033 |
| 248 | F011D40A059 | 247 | F011W20A059 | 256 | F012J00C059 | 224 | F015A43A012 | 224 | F015B43A000 |
| 248 | F011D40B018 | 247 | F011W20B018 | 222 | F015A21A000 | 224 | F015A43A018 | 224 | F015B43A001 |
| 248 | F011D40B030 | 247 | F011W20B030 | 222 | F015A21A001 | 224 | F015A43A030 | 224 | F015B43A006 |
| 248 | F011D40B037 | 247 | F011W20B037 | 222 | F015A21A006 | 224 | F015A43A033 | 224 | F015B43A012 |
| 248 | F011D40B055 | 247 | F011W20B055 | 222 | F015A21A012 | 223 | F015B21A000 | 224 | F015B43A018 |
| 248 | F011D40B059 | 247 | F011W20B059 | 222 | F015A21A018 | 223 | F015B21A001 | 224 | F015B43A030 |
| 248 | F011D40D018 | 247 | F011W20D018 | 222 | F015A21A030 | 223 | F015B21A006 | 224 | F015B43A033 |
| 248 | F011D40D030 | 247 | F011W20D030 | 222 | F015A21A033 | 223 | F015B21A012 | 225 | F015C24A000 |
| 248 | F011D40D037 | 247 | F011W20D037 | 222 | F015A22A000 | 223 | F015B21A018 | 225 | F015C24A001 |
| 248 | F011D40D055 | 247 | F011W20D055 | 222 | F015A22A001 | 223 | F015B21A030 | 225 | F015C24A006 |
| 248 | F011D40D059 | 247 | F011W20D059 | 222 | F015A22A006 | 223 | F015B21A033 | 225 | F015C24A012 |
| 248 | F011E20A018 | 247 | F011W30A018 | 222 | F015A22A012 | 223 | F015B22A000 | 225 | F015C24A018 |
| 248 | F011E20A030 | 247 | F011W30A030 | 222 | F015A22A018 | 223 | F015B22A001 | 225 | F015C24A030 |
| 248 | F011E20A037 | 247 | F011W30A037 | 222 | F015A22A030 | 223 | F015B22A006 | 225 | F015C24A033 |
| 248 | F011E20A055 | 247 | F011W30A055 | 222 | F015A22A033 | 223 | F015B22A012 | 225 | F015C34A000 |
| 248 | F011E20A059 | 247 | F011W30A059 | 224 | F015A23A000 | 223 | F015B22A018 | 225 | F015C34A001 |
| 248 | F011E20B018 | 247 | F011W30B018 | 224 | F015A23A001 | 223 | F015B22A030 | 225 | F015C34A006 |
| 248 | F011E20B030 | 247 | F011W30B030 | 224 | F015A23A006 | 223 | F015B22A033 | 225 | F015C34A012 |
| 248 | F011E20B037 | 247 | F011W30B037 | 224 | F015A23A012 | 224 | F015B23A000 | 225 | F015C34A018 |
| 248 | F011E20B055 | 247 | F011W30B055 | 224 | F015A23A018 | 224 | F015B23A001 | 225 | F015C34A030 |
| 248 | F011E20B059 | 247 | F011W30B059 | 224 | F015A23A030 | 224 | F015B23A006 | 225 | F015C34A033 |
| 248 | F011E20D018 | 247 | F011W30D018 | 224 | F015A23A033 | 224 | F015B23A012 | 225 | F015C44A000 |
| 248 | F011E20D030 | 247 | F011W30D030 | 222 | F015A31A000 | 224 | F015B23A018 | 225 | F015C44A001 |
| 248 | F011E20D037 | 247 | F011W30D037 | 222 | F015A31A001 | 224 | F015B23A030 | 225 | F015C44A006 |
| 248 | F011E20D055 | 247 | F011W30D055 | 222 | F015A31A006 | 224 | F015B23A033 | 225 | F015C44A012 |
| 248 | F011E20D059 | 247 | F011W30D059 | 222 | F015A31A012 | 223 | F015B31A000 | 225 | F015C44A018 |
| 248 | F011E30A018 | 247 | F011W40A018 | 222 | F015A31A018 | 223 | F015B31A001 | 225 | F015C44A030 |
| 248 | F011E30A030 | 247 | F011W40A030 | 222 | F015A31A030 | 223 | F015B31A006 | 225 | F015C44A033 |
| 248 | F011E30A037 | 247 | F011W40A037 | 222 | F015A31A033 | 223 | F015B31A012 | 225 | F015D21A000 |
| 248 | F011E30A055 | 247 | F011W40A055 | 222 | F015A32A000 | 223 | F015B31A018 | 225 | F015D21A001 |
| 248 | F011E30A059 | 247 | F011W40A059 | 222 | F015A32A001 | 223 | F015B31A030 | 225 | F015D21A006 |
| 248 | F011E30B018 | 247 | F011W40B018 | 222 | F015A32A006 | 223 | F015B31A033 | 225 | F015D21A012 |
| 248 | F011E30B030 | 247 | F011W40B030 | 222 | F015A32A012 | 223 | F015B32A000 | 225 | F015D21A018 |
| 248 | F011E30B037 | 247 | F011W40B037 | 222 | F015A32A018 | 223 | F015B32A001 | 225 | F015D21A030 |
| 248 | F011E30B055 | 247 | F011W40B055 | 222 | F015A32A030 | 223 | F015B32A006 | 225 | F015D21A033 |
| 248 | F011E30B059 | 247 | F011W40B059 | 222 | F015A32A033 | 223 | F015B32A012 | 225 | F015D21B000 |
| 248 | F011E30D018 | 247 | F011W40D018 | 224 | F015A33A000 | 223 | F015B32A018 | 225 | F015D21B001 |
| 248 | F011E30D030 | 247 | F011W40D030 | 224 | F015A33A001 | 223 | F015B32A030 | 225 | F015D21B006 |
| 248 | F011E30D037 | 247 | F011W40D037 | 224 | F015A33A006 | 223 | F015B32A033 | 225 | F015D21B012 |
| 248 | F011E30D055 | 247 | F011W40D055 | 224 | F015A33A012 | 224 | F015B33A000 | 225 | F015D21B018 |
| 248 | F011E30D059 | 247 | F011W40D059 | 224 | F015A33A018 | 224 | F015B33A001 | 225 | F015D21B030 |
| 248 | F011E40A018 | 257 | F012A01C018.A | 224 | F015A33A030 | 224 | F015B33A006 | 225 | F015D21B033 |
| 248 | F011E40A030 | 257 | F012A02C030.A | 224 | F015A33A033 | 224 | F015B33A012 | 225 | F015D21D000 |
| 248 | F011E40A037 | 257 | F012A02C037.A | 222 | F015A41A000 | 224 | F015B33A018 | 225 | F015D21D001 |
| 248 | F011E40A055 | 257 | F012A03C059.A | 222 | F015A41A001 | 224 | F015B33A030 | 225 | F015D21D006 |
| 248 | F011E40A059 | 257 | F012A04C055.A | 222 | F015A41A006 | 224 | F015B33A033 | 225 | F015D21D012 |
| 248 | F011E40B018 | 257 | F012B01C018.A | 222 | F015A41A012 | 223 | F015B41A000 | 225 | F015D21D018 |

| Page | Reference | Page | Reference | Page | Reference | Page | Reference | Page | Reference |
|---|---|---|---|---|---|---|---|---|---|
| 225 | F015D21D030 | 225 | F015D31D006 | 225 | F015D41B033 | 227 | F015E21B012 | 227 | F015E31B000 |
| 225 | F015D21D033 | 225 | F015D31D012 | 225 | F015D41D000 | 227 | F015E21B018 | 227 | F015E31B001 |
| 226 | F015D22A000 | 225 | F015D31D018 | 225 | F015D41D001 | 227 | F015E21B030 | 227 | F015E31B006 |
| 226 | F015D22A001 | 225 | F015D31D030 | 225 | F015D41D006 | 227 | F015E21B033 | 227 | F015E31B012 |
| 226 | F015D22A006 | 225 | F015D31D033 | 225 | F015D41D012 | 227 | F015E21D000 | 227 | F015E31B018 |
| 226 | F015D22A012 | 226 | F015D32A000 | 225 | F015D41D018 | 227 | F015E21D001 | 227 | F015E31B030 |
| 226 | F015D22A018 | 226 | F015D32A001 | 225 | F015D41D030 | 227 | F015E21D006 | 227 | F015E31B033 |
| 226 | F015D22A030 | 226 | F015D32A006 | 225 | F015D41D033 | 227 | F015E21D012 | 227 | F015E31D000 |
| 226 | F015D22A033 | 226 | F015D32A012 | 226 | F015D42A000 | 227 | F015E21D018 | 227 | F015E31D001 |
| 226 | F015D22B000 | 226 | F015D32A018 | 226 | F015D42A001 | 227 | F015E21D030 | 227 | F015E31D006 |
| 226 | F015D22B001 | 226 | F015D32A030 | 226 | F015D42A006 | 227 | F015E21D033 | 227 | F015E31D012 |
| 226 | F015D22B006 | 226 | F015D32A033 | 226 | F015D42A012 | 228 | F015E22A000 | 227 | F015E31D018 |
| 226 | F015D22B012 | 226 | F015D32B000 | 226 | F015D42A018 | 228 | F015E22A001 | 227 | F015E31D030 |
| 226 | F015D22B018 | 226 | F015D32B001 | 226 | F015D42A030 | 228 | F015E22A006 | 227 | F015E31D033 |
| 226 | F015D22B030 | 226 | F015D32B006 | 226 | F015D42A033 | 228 | F015E22A012 | 228 | F015E32A000 |
| 226 | F015D22B033 | 226 | F015D32B012 | 226 | F015D42B000 | 228 | F015E22A018 | 228 | F015E32A001 |
| 226 | F015D22D000 | 226 | F015D32B018 | 226 | F015D42B001 | 228 | F015E22A030 | 228 | F015E32A006 |
| 226 | F015D22D001 | 226 | F015D32B030 | 226 | F015D42B006 | 228 | F015E22A033 | 228 | F015E32A012 |
| 226 | F015D22D006 | 226 | F015D32B033 | 226 | F015D42B012 | 228 | F015E22B000 | 228 | F015E32A018 |
| 226 | F015D22D012 | 226 | F015D32D000 | 226 | F015D42B018 | 228 | F015E22B001 | 228 | F015E32A030 |
| 226 | F015D22D018 | 226 | F015D32D001 | 226 | F015D42B030 | 228 | F015E22B006 | 228 | F015E32A033 |
| 226 | F015D22D030 | 226 | F015D32D006 | 226 | F015D42B033 | 228 | F015E22B012 | 228 | F015E32B000 |
| 226 | F015D22D033 | 226 | F015D32D012 | 226 | F015D42D000 | 228 | F015E22B018 | 228 | F015E32B001 |
| 229 | F015D23A000 | 226 | F015D32D018 | 226 | F015D42D001 | 228 | F015E22B030 | 228 | F015E32B006 |
| 229 | F015D23A001 | 226 | F015D32D030 | 226 | F015D42D006 | 228 | F015E22B033 | 228 | F015E32B012 |
| 229 | F015D23A006 | 226 | F015D32D033 | 226 | F015D42D012 | 228 | F015E22D000 | 228 | F015E32B018 |
| 229 | F015D23A012 | 229 | F015D33A000 | 226 | F015D42D018 | 228 | F015E22D001 | 228 | F015E32B030 |
| 229 | F015D23A018 | 229 | F015D33A001 | 226 | F015D42D030 | 228 | F015E22D006 | 228 | F015E32B033 |
| 229 | F015D23A030 | 229 | F015D33A006 | 226 | F015D42D033 | 228 | F015E22D012 | 228 | F015E32D000 |
| 229 | F015D23A033 | 229 | F015D33A012 | 229 | F015D43A000 | 228 | F015E22D018 | 228 | F015E32D001 |
| 229 | F015D23B000 | 229 | F015D33A018 | 229 | F015D43A001 | 228 | F015E22D030 | 228 | F015E32D006 |
| 229 | F015D23B001 | 229 | F015D33A030 | 229 | F015D43A006 | 228 | F015E22D033 | 228 | F015E32D012 |
| 229 | F015D23B006 | 229 | F015D33A033 | 229 | F015D43A012 | 230 | F015E23A000 | 228 | F015E32D018 |
| 229 | F015D23B012 | 229 | F015D33B000 | 229 | F015D43A018 | 230 | F015E23A001 | 228 | F015E32D030 |
| 229 | F015D23B018 | 229 | F015D33B001 | 229 | F015D43A030 | 230 | F015E23A006 | 228 | F015E32D033 |
| 229 | F015D23B030 | 229 | F015D33B006 | 229 | F015D43A033 | 230 | F015E23A012 | 230 | F015E33A000 |
| 229 | F015D23B033 | 229 | F015D33B012 | 229 | F015D43B000 | 230 | F015E23A018 | 230 | F015E33A001 |
| 229 | F015D23D000 | 229 | F015D33B018 | 229 | F015D43B001 | 230 | F015E23A030 | 230 | F015E33A006 |
| 229 | F015D23D001 | 229 | F015D33B030 | 229 | F015D43B006 | 230 | F015E23A033 | 230 | F015E33A012 |
| 229 | F015D23D006 | 229 | F015D33B033 | 229 | F015D43B012 | 230 | F015E23B000 | 230 | F015E33A018 |
| 229 | F015D23D012 | 229 | F015D33D000 | 229 | F015D43B018 | 230 | F015E23B001 | 230 | F015E33A030 |
| 229 | F015D23D018 | 229 | F015D33D001 | 229 | F015D43B030 | 230 | F015E23B006 | 230 | F015E33A033 |
| 229 | F015D23D030 | 229 | F015D33D006 | 229 | F015D43B033 | 230 | F015E23B012 | 230 | F015E33B000 |
| 229 | F015D23D033 | 229 | F015D33D012 | 229 | F015D43D000 | 230 | F015E23B018 | 230 | F015E33B001 |
| 225 | F015D31A000 | 229 | F015D33D018 | 229 | F015D43D001 | 230 | F015E23B030 | 230 | F015E33B006 |
| 225 | F015D31A001 | 229 | F015D33D030 | 229 | F015D43D006 | 230 | F015E23B033 | 230 | F015E33B012 |
| 225 | F015D31A006 | 229 | F015D33D033 | 229 | F015D43D012 | 230 | F015E23D000 | 230 | F015E33B018 |
| 225 | F015D31A012 | 225 | F015D41A000 | 229 | F015D43D018 | 230 | F015E23D001 | 230 | F015E33B030 |
| 225 | F015D31A018 | 225 | F015D41A001 | 229 | F015D43D030 | 230 | F015E23D006 | 230 | F015E33B033 |
| 225 | F015D31A030 | 225 | F015D41A006 | 229 | F015D43D033 | 230 | F015E23D012 | 230 | F015E33D000 |
| 225 | F015D31A033 | 225 | F015D41A012 | 227 | F015E21A000 | 230 | F015E23D018 | 230 | F015E33D001 |
| 225 | F015D31B000 | 225 | F015D41A018 | 227 | F015E21A001 | 230 | F015E23D030 | 230 | F015E33D006 |
| 225 | F015D31B001 | 225 | F015D41A030 | 227 | F015E21A006 | 230 | F015E23D033 | 230 | F015E33D012 |
| 225 | F015D31B006 | 225 | F015D41A033 | 227 | F015E21A012 | 227 | F015E31A000 | 230 | F015E33D018 |
| 225 | F015D31B012 | 225 | F015D41B000 | 227 | F015E21A018 | 227 | F015E31A001 | 230 | F015E33D030 |
| 225 | F015D31B018 | 225 | F015D41B001 | 227 | F015E21A030 | 227 | F015E31A006 | 230 | F015E33D033 |
| 225 | F015D31B030 | 225 | F015D41B006 | 227 | F015E21A033 | 227 | F015E31A012 | 227 | F015E41A000 |
| 225 | F015D31B033 | 225 | F015D41B012 | 227 | F015E21B000 | 227 | F015E31A018 | 227 | F015E41A001 |
| 225 | F015D31D000 | 225 | F015D41B018 | 227 | F015E21B001 | 227 | F015E31A030 | 227 | F015E41A006 |
| 225 | F015D31D001 | 225 | F015D41B030 | 227 | F015E21B006 | 227 | F015E31A033 | 227 | F015E41A012 |

| Page | Reference | Page | Reference | Page | Reference | Page | Reference | Page | Reference |
|---|---|---|---|---|---|---|---|---|---|
| 227 | F015E41A018 | 231 | F015F24A001 | 231 | F015F44D030 | 215 | F015H32A030 | 216 | F015J31B030 |
| 227 | F015E41A030 | 231 | F015F24A006 | 231 | F015F44D033 | 215 | F015H32A033 | 216 | F015J31B033 |
| 227 | F015E41A033 | 231 | F015F24A012 | 214 | F015G21A001 | 215 | F015H41A001 | 216 | F015J31D001 |
| 227 | F015E41B000 | 231 | F015F24A018 | 214 | F015G21A006 | 215 | F015H41A006 | 216 | F015J31D006 |
| 227 | F015E41B001 | 231 | F015F24A030 | 214 | F015G21A012 | 215 | F015H41A012 | 216 | F015J31D012 |
| 227 | F015E41B006 | 231 | F015F24A033 | 214 | F015G21A018 | 215 | F015H41A018 | 216 | F015J31D018 |
| 227 | F015E41B012 | 231 | F015F24B000 | 214 | F015G21A030 | 215 | F015H41A030 | 216 | F015J31D030 |
| 227 | F015E41B018 | 231 | F015F24B001 | 214 | F015G21A033 | 215 | F015H41A033 | 216 | F015J31D033 |
| 227 | F015E41B030 | 231 | F015F24B006 | 214 | F015G22A001 | 215 | F015H42A001 | 217 | F015J32A001 |
| 227 | F015E41B033 | 231 | F015F24B012 | 214 | F015G22A006 | 215 | F015H42A006 | 217 | F015J32A006 |
| 227 | F015E41D000 | 231 | F015F24B018 | 214 | F015G22A012 | 215 | F015H42A012 | 217 | F015J32A012 |
| 227 | F015E41D001 | 231 | F015F24B030 | 214 | F015G22A018 | 215 | F015H42A018 | 217 | F015J32A018 |
| 227 | F015E41D006 | 231 | F015F24B033 | 214 | F015G22A030 | 215 | F015H42A030 | 217 | F015J32A030 |
| 227 | F015E41D012 | 231 | F015F24D000 | 214 | F015G22A033 | 215 | F015H42A033 | 217 | F015J32A033 |
| 227 | F015E41D018 | 231 | F015F24D001 | 214 | F015G31A001 | 216 | F015J21A001 | 217 | F015J32B001 |
| 227 | F015E41D030 | 231 | F015F24D006 | 214 | F015G31A006 | 216 | F015J21A006 | 217 | F015J32B006 |
| 227 | F015E41D033 | 231 | F015F24D012 | 214 | F015G31A012 | 216 | F015J21A012 | 217 | F015J32B012 |
| 228 | F015E42A000 | 231 | F015F24D018 | 214 | F015G31A018 | 216 | F015J21A018 | 217 | F015J32B018 |
| 228 | F015E42A001 | 231 | F015F24D030 | 214 | F015G31A030 | 216 | F015J21A030 | 217 | F015J32B030 |
| 228 | F015E42A006 | 231 | F015F24D033 | 214 | F015G31A033 | 216 | F015J21A033 | 217 | F015J32B033 |
| 228 | F015E42A012 | 231 | F015F34A000 | 214 | F015G32A001 | 216 | F015J21B001 | 217 | F015J32D001 |
| 228 | F015E42A018 | 231 | F015F34A001 | 214 | F015G32A006 | 216 | F015J21B006 | 217 | F015J32D006 |
| 228 | F015E42A030 | 231 | F015F34A006 | 214 | F015G32A012 | 216 | F015J21B012 | 217 | F015J32D012 |
| 228 | F015E42A033 | 231 | F015F34A012 | 214 | F015G32A018 | 216 | F015J21B018 | 217 | F015J32D018 |
| 228 | F015E42B000 | 231 | F015F34A018 | 214 | F015G32A030 | 216 | F015J21B030 | 217 | F015J32D030 |
| 228 | F015E42B001 | 231 | F015F34A030 | 214 | F015G32A033 | 216 | F015J21B033 | 217 | F015J32D033 |
| 228 | F015E42B006 | 231 | F015F34A033 | 214 | F015G41A001 | 216 | F015J21D001 | 216 | F015J41A001 |
| 228 | F015E42B012 | 231 | F015F34B000 | 214 | F015G41A006 | 216 | F015J21D006 | 216 | F015J41A006 |
| 228 | F015E42B018 | 231 | F015F34B001 | 214 | F015G41A012 | 216 | F015J21D012 | 216 | F015J41A012 |
| 228 | F015E42B030 | 231 | F015F34B006 | 214 | F015G41A018 | 216 | F015J21D018 | 216 | F015J41A018 |
| 228 | F015E42B033 | 231 | F015F34B012 | 214 | F015G41A030 | 216 | F015J21D030 | 216 | F015J41A030 |
| 228 | F015E42D000 | 231 | F015F34B018 | 214 | F015G41A033 | 216 | F015J21D033 | 216 | F015J41A033 |
| 228 | F015E42D001 | 231 | F015F34B030 | 214 | F015G42A001 | 217 | F015J22A001 | 216 | F015J41B001 |
| 228 | F015E42D006 | 231 | F015F34B033 | 214 | F015G42A006 | 217 | F015J22A006 | 216 | F015J41B006 |
| 228 | F015E42D012 | 231 | F015F34D000 | 214 | F015G42A012 | 217 | F015J22A012 | 216 | F015J41B012 |
| 228 | F015E42D018 | 231 | F015F34D001 | 214 | F015G42A018 | 217 | F015J22A018 | 216 | F015J41B018 |
| 228 | F015E42D030 | 231 | F015F34D006 | 214 | F015G42A030 | 217 | F015J22A030 | 216 | F015J41B030 |
| 228 | F015E42D033 | 231 | F015F34D012 | 214 | F015G42A033 | 217 | F015J22A033 | 216 | F015J41B033 |
| 230 | F015E43A000 | 231 | F015F34D018 | 215 | F015H21A001 | 217 | F015J22B001 | 216 | F015J41D001 |
| 230 | F015E43A001 | 231 | F015F34D030 | 215 | F015H21A006 | 217 | F015J22B006 | 216 | F015J41D006 |
| 230 | F015E43A006 | 231 | F015F34D033 | 215 | F015H21A012 | 217 | F015J22B012 | 216 | F015J41D012 |
| 230 | F015E43A012 | 231 | F015F44A000 | 215 | F015H21A018 | 217 | F015J22B018 | 216 | F015J41D018 |
| 230 | F015E43A018 | 231 | F015F44A001 | 215 | F015H21A030 | 217 | F015J22B030 | 216 | F015J41D030 |
| 230 | F015E43A030 | 231 | F015F44A006 | 215 | F015H21A033 | 217 | F015J22B033 | 216 | F015J41D033 |
| 230 | F015E43A033 | 231 | F015F44A012 | 215 | F015H22A001 | 217 | F015J22D001 | 217 | F015J42A001 |
| 230 | F015E43B000 | 231 | F015F44A018 | 215 | F015H22A006 | 217 | F015J22D006 | 217 | F015J42A006 |
| 230 | F015E43B001 | 231 | F015F44A030 | 215 | F015H22A012 | 217 | F015J22D012 | 217 | F015J42A012 |
| 230 | F015E43B006 | 231 | F015F44A033 | 215 | F015H22A018 | 217 | F015J22D018 | 217 | F015J42A018 |
| 230 | F015E43B012 | 231 | F015F44B000 | 215 | F015H22A030 | 217 | F015J22D030 | 217 | F015J42A030 |
| 230 | F015E43B018 | 231 | F015F44B001 | 215 | F015H22A033 | 217 | F015J22D033 | 217 | F015J42A033 |
| 230 | F015E43B030 | 231 | F015F44B006 | 215 | F015H31A001 | 216 | F015J31A001 | 217 | F015J42B001 |
| 230 | F015E43B033 | 231 | F015F44B012 | 215 | F015H31A006 | 216 | F015J31A006 | 217 | F015J42B006 |
| 230 | F015E43D000 | 231 | F015F44B018 | 215 | F015H31A012 | 216 | F015J31A012 | 217 | F015J42B012 |
| 230 | F015E43D001 | 231 | F015F44B030 | 215 | F015H31A018 | 216 | F015J31A018 | 217 | F015J42B018 |
| 230 | F015E43D006 | 231 | F015F44B033 | 215 | F015H31A030 | 216 | F015J31A030 | 217 | F015J42B030 |
| 230 | F015E43D012 | 231 | F015F44D000 | 215 | F015H31A033 | 216 | F015J31A033 | 217 | F015J42B033 |
| 230 | F015E43D018 | 231 | F015F44D001 | 215 | F015H32A001 | 216 | F015J31B001 | 217 | F015J42D001 |
| 230 | F015E43D030 | 231 | F015F44D006 | 215 | F015H32A006 | 216 | F015J31B006 | 217 | F015J42D006 |
| 230 | F015E43D033 | 231 | F015F44D012 | 215 | F015H32A012 | 216 | F015J31B012 | 217 | F015J42D012 |
| 231 | F015F24A000 | 231 | F015F44D018 | 215 | F015H32A018 | 216 | F015J31B018 | 217 | F015J42D018 |

| Page | Reference | Page | Reference | Page | Reference | Page | Reference | Page | Reference |
|---|---|---|---|---|---|---|---|---|---|
| 217 | F015J42D030 | 219 | F015K32A030 | 220 | F015L30A012 | 221 | F015M40B000 | 272 | F016A23B012 |
| 217 | F015J42D033 | 219 | F015K32A033 | 220 | F015L30A018 | 221 | F015M40B001 | 272 | F016A23B018 |
| 218 | F015K21A001 | 219 | F015K32B001 | 220 | F015L30A030 | 221 | F015M40B006 | 272 | F016A23B030 |
| 218 | F015K21A006 | 219 | F015K32B006 | 220 | F015L30A033 | 221 | F015M40B012 | 272 | F016A23B033 |
| 218 | F015K21A012 | 219 | F015K32B012 | 220 | F015L40A000 | 221 | F015M40B018 | 272 | F016A23D001 |
| 218 | F015K21A018 | 219 | F015K32B018 | 220 | F015L40A001 | 221 | F015M40B030 | 272 | F016A23D006 |
| 218 | F015K21A030 | 219 | F015K32B030 | 220 | F015L40A006 | 221 | F015M40B033 | 272 | F016A23D012 |
| 218 | F015K21A033 | 219 | F015K32B033 | 220 | F015L40A012 | 221 | F015M40D000 | 272 | F016A23D018 |
| 218 | F015K21B001 | 219 | F015K32D001 | 220 | F015L40A018 | 221 | F015M40D001 | 272 | F016A23D030 |
| 218 | F015K21B006 | 219 | F015K32D006 | 220 | F015L40A030 | 221 | F015M40D006 | 272 | F016A23D033 |
| 218 | F015K21B012 | 219 | F015K32D012 | 220 | F015L40A033 | 221 | F015M40D012 | 268 | F016A31A001 |
| 218 | F015K21B018 | 219 | F015K32D018 | 221 | F015M20A000 | 221 | F015M40D018 | 268 | F016A31A006 |
| 218 | F015K21B030 | 219 | F015K32D030 | 221 | F015M20A001 | 221 | F015M40D030 | 268 | F016A31A012 |
| 218 | F015K21B033 | 219 | F015K32D033 | 221 | F015M20A006 | 221 | F015M40D033 | 268 | F016A31A018 |
| 218 | F015K21D001 | 218 | F015K41A001 | 221 | F015M20A012 | 219 | F015Z000000 | 268 | F016A31A030 |
| 218 | F015K21D006 | 218 | F015K41A006 | 221 | F015M20A018 | 219 | F015Z010000 | 268 | F016A31A033 |
| 218 | F015K21D012 | 218 | F015K41A012 | 221 | F015M20A030 | 268 | F016A21A001 | 268 | F016A31B001 |
| 218 | F015K21D018 | 218 | F015K41A018 | 221 | F015M20A033 | 268 | F016A21A006 | 268 | F016A31B006 |
| 218 | F015K21D030 | 218 | F015K41A030 | 221 | F015M20B000 | 268 | F016A21A012 | 268 | F016A31B012 |
| 218 | F015K21D033 | 218 | F015K41A033 | 221 | F015M20B001 | 268 | F016A21A018 | 268 | F016A31B018 |
| 219 | F015K22A001 | 218 | F015K41B001 | 221 | F015M20B006 | 268 | F016A21A030 | 268 | F016A31B030 |
| 219 | F015K22A006 | 218 | F015K41B006 | 221 | F015M20B012 | 268 | F016A21A033 | 268 | F016A31B033 |
| 219 | F015K22A012 | 218 | F015K41B012 | 221 | F015M20B018 | 268 | F016A21B001 | 268 | F016A31D001 |
| 219 | F015K22A018 | 218 | F015K41B018 | 221 | F015M20B030 | 268 | F016A21B006 | 268 | F016A31D006 |
| 219 | F015K22A030 | 218 | F015K41B030 | 221 | F015M20B033 | 268 | F016A21B012 | 268 | F016A31D012 |
| 219 | F015K22A033 | 218 | F015K41B033 | 221 | F015M20D000 | 268 | F016A21B018 | 268 | F016A31D018 |
| 219 | F015K22B001 | 218 | F015K41D001 | 221 | F015M20D001 | 268 | F016A21B030 | 268 | F016A31D030 |
| 219 | F015K22B006 | 218 | F015K41D006 | 221 | F015M20D006 | 268 | F016A21B033 | 268 | F016A31D033 |
| 219 | F015K22B012 | 218 | F015K41D012 | 221 | F015M20D012 | 268 | F016A21D001 | 270 | F016A32A001 |
| 219 | F015K22B018 | 218 | F015K41D018 | 221 | F015M20D018 | 268 | F016A21D006 | 270 | F016A32A006 |
| 219 | F015K22B030 | 218 | F015K41D030 | 221 | F015M20D030 | 268 | F016A21D012 | 270 | F016A32A012 |
| 219 | F015K22B033 | 218 | F015K41D033 | 221 | F015M20D033 | 268 | F016A21D018 | 270 | F016A32A018 |
| 219 | F015K22D001 | 219 | F015K42A001 | 221 | F015M30A000 | 268 | F016A21D030 | 270 | F016A32A030 |
| 219 | F015K22D006 | 219 | F015K42A006 | 221 | F015M30A001 | 268 | F016A21D033 | 270 | F016A32A033 |
| 219 | F015K22D012 | 219 | F015K42A012 | 221 | F015M30A006 | 270 | F016A22A001 | 270 | F016A32B001 |
| 219 | F015K22D018 | 219 | F015K42A018 | 221 | F015M30A012 | 270 | F016A22A006 | 270 | F016A32B006 |
| 219 | F015K22D030 | 219 | F015K42A030 | 221 | F015M30A018 | 270 | F016A22A012 | 270 | F016A32B012 |
| 219 | F015K22D033 | 219 | F015K42A033 | 221 | F015M30A030 | 270 | F016A22A018 | 270 | F016A32B018 |
| 218 | F015K31A001 | 219 | F015K42B001 | 221 | F015M30A033 | 270 | F016A22A030 | 270 | F016A32B030 |
| 218 | F015K31A006 | 219 | F015K42B006 | 221 | F015M30B000 | 270 | F016A22A033 | 270 | F016A32B033 |
| 218 | F015K31A012 | 219 | F015K42B012 | 221 | F015M30B001 | 270 | F016A22B001 | 270 | F016A32D001 |
| 218 | F015K31A018 | 219 | F015K42B018 | 221 | F015M30B006 | 270 | F016A22B006 | 270 | F016A32D006 |
| 218 | F015K31A030 | 219 | F015K42B030 | 221 | F015M30B012 | 270 | F016A22B012 | 270 | F016A32D012 |
| 218 | F015K31A033 | 219 | F015K42B033 | 221 | F015M30B018 | 270 | F016A22B018 | 270 | F016A32D018 |
| 218 | F015K31B001 | 219 | F015K42D001 | 221 | F015M30B030 | 270 | F016A22B030 | 270 | F016A32D030 |
| 218 | F015K31B006 | 219 | F015K42D006 | 221 | F015M30B033 | 270 | F016A22B033 | 270 | F016A32D033 |
| 218 | F015K31B012 | 219 | F015K42D012 | 221 | F015M30D000 | 270 | F016A22D001 | 272 | F016A33A001 |
| 218 | F015K31B018 | 219 | F015K42D018 | 221 | F015M30D001 | 270 | F016A22D006 | 272 | F016A33A006 |
| 218 | F015K31B030 | 219 | F015K42D030 | 221 | F015M30D006 | 270 | F016A22D012 | 272 | F016A33A012 |
| 218 | F015K31B033 | 219 | F015K42D033 | 221 | F015M30D012 | 270 | F016A22D018 | 272 | F016A33A018 |
| 218 | F015K31D001 | 220 | F015L20A000 | 221 | F015M30D018 | 270 | F016A22D030 | 272 | F016A33A030 |
| 218 | F015K31D006 | 220 | F015L20A001 | 221 | F015M30D030 | 270 | F016A22D033 | 272 | F016A33A033 |
| 218 | F015K31D012 | 220 | F015L20A006 | 221 | F015M30D033 | 272 | F016A23A001 | 272 | F016A33B001 |
| 218 | F015K31D018 | 220 | F015L20A012 | 221 | F015M40A000 | 272 | F016A23A006 | 272 | F016A33B006 |
| 218 | F015K31D030 | 220 | F015L20A018 | 221 | F015M40A001 | 272 | F016A23A012 | 272 | F016A33B012 |
| 218 | F015K31D033 | 220 | F015L20A030 | 221 | F015M40A006 | 272 | F016A23A018 | 272 | F016A33B018 |
| 219 | F015K32A001 | 220 | F015L20A033 | 221 | F015M40A012 | 272 | F016A23A030 | 272 | F016A33B030 |
| 219 | F015K32A006 | 220 | F015L30A000 | 221 | F015M40A018 | 272 | F016A23A033 | 272 | F016A33B033 |
| 219 | F015K32A012 | 220 | F015L30A001 | 221 | F015M40A030 | 272 | F016A23B001 | 272 | F016A33D001 |
| 219 | F015K32A018 | 220 | F015L30A006 | 221 | F015M40A033 | 272 | F016A23B006 | 272 | F016A33D006 |

| Page | Reference | Page | Reference | Page | Reference | Page | Reference | Page | Reference |
|---|---|---|---|---|---|---|---|---|---|
| 272 | F016A33D012 | 269 | F016B21A012 | 269 | F016B31B012 | 269 | F016B41D012 | 267 | F016M24K012.A |
| 272 | F016A33D018 | 269 | F016B21A018 | 269 | F016B31B018 | 269 | F016B41D018 | 267 | F016M24K018.A |
| 272 | F016A33D030 | 269 | F016B21A030 | 269 | F016B31B030 | 269 | F016B41D030 | 267 | F016M24K030.A |
| 272 | F016A33D033 | 269 | F016B21A033 | 269 | F016B31B033 | 269 | F016B41D033 | 267 | F016M24K033.A |
| 268 | F016A41A001 | 269 | F016B21B001 | 269 | F016B31D001 | 271 | F016B42A001 | 267 | F016M25K001.A |
| 268 | F016A41A006 | 269 | F016B21B006 | 269 | F016B31D006 | 271 | F016B42A006 | 267 | F016M25K006.A |
| 268 | F016A41A012 | 269 | F016B21B012 | 269 | F016B31D012 | 271 | F016B42A012 | 267 | F016M25K012.A |
| 268 | F016A41A018 | 269 | F016B21B018 | 269 | F016B31D018 | 271 | F016B42A018 | 267 | F016M25K018.A |
| 268 | F016A41A030 | 269 | F016B21B030 | 269 | F016B31D030 | 271 | F016B42A030 | 267 | F016M25K030.A |
| 268 | F016A41A033 | 269 | F016B21B033 | 269 | F016B31D033 | 271 | F016B42A033 | 267 | F016M25K033.A |
| 268 | F016A41B001 | 269 | F016B21D001 | 271 | F016B32A001 | 271 | F016B42B001 | 264 | F016M31K001.A |
| 268 | F016A41B006 | 269 | F016B21D006 | 271 | F016B32A006 | 271 | F016B42B006 | 264 | F016M31K006.A |
| 268 | F016A41B012 | 269 | F016B21D012 | 271 | F016B32A012 | 271 | F016B42B012 | 264 | F016M31K012.A |
| 268 | F016A41B018 | 269 | F016B21D018 | 271 | F016B32A018 | 271 | F016B42B018 | 264 | F016M31K018.A |
| 268 | F016A41B030 | 269 | F016B21D030 | 271 | F016B32A030 | 271 | F016B42B030 | 264 | F016M31K030.A |
| 268 | F016A41B033 | 269 | F016B21D033 | 271 | F016B32A033 | 271 | F016B42B033 | 264 | F016M31K033.A |
| 268 | F016A41D001 | 271 | F016B22A001 | 271 | F016B32B001 | 271 | F016B42D001 | 265 | F016M32K001.A |
| 268 | F016A41D006 | 271 | F016B22A006 | 271 | F016B32B006 | 271 | F016B42D006 | 265 | F016M32K006.A |
| 268 | F016A41D012 | 271 | F016B22A012 | 271 | F016B32B012 | 271 | F016B42D012 | 265 | F016M32K012.A |
| 268 | F016A41D018 | 271 | F016B22A018 | 271 | F016B32B018 | 271 | F016B42D018 | 265 | F016M32K018.A |
| 268 | F016A41D030 | 271 | F016B22A030 | 271 | F016B32B030 | 271 | F016B42D030 | 265 | F016M32K030.A |
| 268 | F016A41D033 | 271 | F016B22A033 | 271 | F016B32B033 | 271 | F016B42D033 | 265 | F016M32K033.A |
| 270 | F016A42A001 | 271 | F016B22B001 | 271 | F016B32D001 | 273 | F016B43A001 | 266 | F016M33K001.A |
| 270 | F016A42A006 | 271 | F016B22B006 | 271 | F016B32D006 | 273 | F016B43A006 | 266 | F016M33K006.A |
| 270 | F016A42A012 | 271 | F016B22B012 | 271 | F016B32D012 | 273 | F016B43A012 | 266 | F016M33K012.A |
| 270 | F016A42A018 | 271 | F016B22B018 | 271 | F016B32D018 | 273 | F016B43A018 | 266 | F016M33K018.A |
| 270 | F016A42A030 | 271 | F016B22B030 | 271 | F016B32D030 | 273 | F016B43A030 | 266 | F016M33K030.A |
| 270 | F016A42A033 | 271 | F016B22B033 | 271 | F016B32D033 | 273 | F016B43A033 | 266 | F016M33K033.A |
| 270 | F016A42B001 | 271 | F016B22D001 | 273 | F016B33A001 | 273 | F016B43B001 | 267 | F016M34K001.A |
| 270 | F016A42B006 | 271 | F016B22D006 | 273 | F016B33A006 | 273 | F016B43B006 | 267 | F016M34K006.A |
| 270 | F016A42B012 | 271 | F016B22D012 | 273 | F016B33A012 | 273 | F016B43B012 | 267 | F016M34K012.A |
| 270 | F016A42B018 | 271 | F016B22D018 | 273 | F016B33A018 | 273 | F016B43B018 | 267 | F016M34K018.A |
| 270 | F016A42B030 | 271 | F016B22D030 | 273 | F016B33A030 | 273 | F016B43B030 | 267 | F016M34K030.A |
| 270 | F016A42B033 | 271 | F016B22D033 | 273 | F016B33A033 | 273 | F016B43B033 | 267 | F016M34K033.A |
| 270 | F016A42D001 | 273 | F016B23A001 | 273 | F016B33B001 | 273 | F016B43D001 | 267 | F016M35K001.A |
| 270 | F016A42D006 | 273 | F016B23A006 | 273 | F016B33B006 | 273 | F016B43D006 | 267 | F016M35K006.A |
| 270 | F016A42D012 | 273 | F016B23A012 | 273 | F016B33B012 | 273 | F016B43D012 | 267 | F016M35K012.A |
| 270 | F016A42D018 | 273 | F016B23A018 | 273 | F016B33B018 | 273 | F016B43D018 | 267 | F016M35K018.A |
| 270 | F016A42D030 | 273 | F016B23A030 | 273 | F016B33B030 | 273 | F016B43D030 | 267 | F016M35K030.A |
| 270 | F016A42D033 | 273 | F016B23A033 | 273 | F016B33B033 | 273 | F016B43D033 | 267 | F016M35K033.A |
| 272 | F016A43A001 | 273 | F016B23B001 | 273 | F016B33D001 | 264 | F016M21K001.A | 264 | F016M41K001.A |
| 272 | F016A43A006 | 273 | F016B23B006 | 273 | F016B33D006 | 264 | F016M21K006.A | 264 | F016M41K006.A |
| 272 | F016A43A012 | 273 | F016B23B012 | 273 | F016B33D012 | 264 | F016M21K012.A | 264 | F016M41K012.A |
| 272 | F016A43A018 | 273 | F016B23B018 | 273 | F016B33D018 | 264 | F016M21K018.A | 264 | F016M41K018.A |
| 272 | F016A43A030 | 273 | F016B23B030 | 273 | F016B33D030 | 264 | F016M21K030.A | 264 | F016M41K030.A |
| 272 | F016A43A033 | 273 | F016B23B033 | 273 | F016B33D033 | 264 | F016M21K033.A | 264 | F016M41K033.A |
| 272 | F016A43B001 | 273 | F016B23D001 | 269 | F016B41A001 | 265 | F016M22K001.A | 265 | F016M42K001.A |
| 272 | F016A43B006 | 273 | F016B23D006 | 269 | F016B41A006 | 265 | F016M22K006.A | 265 | F016M42K006.A |
| 272 | F016A43B012 | 273 | F016B23D012 | 269 | F016B41A012 | 265 | F016M22K012.A | 265 | F016M42K012.A |
| 272 | F016A43B018 | 273 | F016B23D018 | 269 | F016B41A018 | 265 | F016M22K018.A | 265 | F016M42K018.A |
| 272 | F016A43B030 | 273 | F016B23D030 | 269 | F016B41A030 | 265 | F016M22K030.A | 265 | F016M42K030.A |
| 272 | F016A43B033 | 273 | F016B23D033 | 269 | F016B41A033 | 265 | F016M22K033.A | 265 | F016M42K033.A |
| 272 | F016A43D001 | 269 | F016B31A001 | 269 | F016B41B001 | 266 | F016M23K001.A | 266 | F016M43K001.A |
| 272 | F016A43D006 | 269 | F016B31A006 | 269 | F016B41B006 | 266 | F016M23K006.A | 266 | F016M43K006.A |
| 272 | F016A43D012 | 269 | F016B31A012 | 269 | F016B41B012 | 266 | F016M23K012.A | 266 | F016M43K012.A |
| 272 | F016A43D018 | 269 | F016B31A018 | 269 | F016B41B018 | 266 | F016M23K018.A | 266 | F016M43K018.A |
| 272 | F016A43D030 | 269 | F016B31A030 | 269 | F016B41B030 | 266 | F016M23K030.A | 266 | F016M43K030.A |
| 272 | F016A43D033 | 269 | F016B31A033 | 269 | F016B41B033 | 266 | F016M23K033.A | 266 | F016M43K033.A |
| 269 | F016B21A001 | 269 | F016B31B001 | 269 | F016B41D001 | 267 | F016M24K001.A | 267 | F016M44K001.A |
| 269 | F016B21A006 | 269 | F016B31B006 | 269 | F016B41D006 | 267 | F016M24K006.A | 267 | F016M44K006.A |

| Page | Reference | Page | Reference | Page | Reference | Page | Reference | Page | Reference |
|---|---|---|---|---|---|---|---|---|---|
| 267 | F016M44K012.A | 266 | F016N43K012.A | 570 | F017A1RA033 | 569 | F017A2LA033 | 569 | F017A3JA033 |
| 267 | F016M44K018.A | 266 | F016N43K018.A | 570 | F017A1RB006 | 569 | F017A2LB006 | 569 | F017A3JB006 |
| 267 | F016M44K030.A | 266 | F016N43K030.A | 570 | F017A1RB033 | 569 | F017A2LB033 | 569 | F017A3JB033 |
| 267 | F016M44K033.A | 266 | F016N43K033.A | 570 | F017A1RD006 | 569 | F017A2LD006 | 569 | F017A3JD006 |
| 267 | F016M45K001.A | 273 | F016Z000000 | 570 | F017A1RD033 | 569 | F017A2LD033 | 569 | F017A3JD033 |
| 267 | F016M45K006.A | 568 | F017A1AA006 | 570 | F017A1SA006 | 570 | F017A2QA006 | 569 | F017A3KA006 |
| 267 | F016M45K012.A | 568 | F017A1AA033 | 570 | F017A1SA033 | 570 | F017A2QA033 | 569 | F017A3KA033 |
| 267 | F016M45K018.A | 568 | F017A1AB006 | 570 | F017A1SB006 | 570 | F017A2QB006 | 569 | F017A3KB006 |
| 267 | F016M45K030.A | 568 | F017A1AB033 | 570 | F017A1SB033 | 570 | F017A2QB033 | 569 | F017A3KB033 |
| 267 | F016M45K033.A | 568 | F017A1AD006 | 570 | F017A1SD006 | 570 | F017A2QD006 | 569 | F017A3KD006 |
| 264 | F016N21K001.A | 568 | F017A1AD033 | 570 | F017A1SD033 | 570 | F017A2QD033 | 569 | F017A3KD033 |
| 264 | F016N21K006.A | 568 | F017A1BA006 | 570 | F017A1TA006 | 570 | F017A2RA006 | 569 | F017A3LA006 |
| 264 | F016N21K012.A | 568 | F017A1BA033 | 570 | F017A1TA033 | 570 | F017A2RA033 | 569 | F017A3LA033 |
| 264 | F016N21K018.A | 568 | F017A1BB006 | 570 | F017A1TB006 | 570 | F017A2RB006 | 569 | F017A3LB006 |
| 264 | F016N21K030.A | 568 | F017A1BB033 | 570 | F017A1TB033 | 570 | F017A2RB033 | 569 | F017A3LB033 |
| 264 | F016N21K033.A | 568 | F017A1BD006 | 570 | F017A1TD006 | 570 | F017A2RD006 | 569 | F017A3LD006 |
| 265 | F016N22K001.A | 568 | F017A1BD033 | 570 | F017A1TD033 | 570 | F017A2RD033 | 569 | F017A3LD033 |
| 265 | F016N22K006.A | 568 | F017A1CA006 | 568 | F017A2AA006 | 570 | F017A2SA006 | 570 | F017A3QA006 |
| 265 | F016N22K012.A | 568 | F017A1CA033 | 568 | F017A2AA033 | 570 | F017A2SA033 | 570 | F017A3QA033 |
| 265 | F016N22K018.A | 568 | F017A1CB006 | 568 | F017A2AB006 | 570 | F017A2SB006 | 570 | F017A3QB006 |
| 265 | F016N22K030.A | 568 | F017A1CB033 | 568 | F017A2AB033 | 570 | F017A2SB033 | 570 | F017A3QB033 |
| 265 | F016N22K033.A | 568 | F017A1CD006 | 568 | F017A2AD006 | 570 | F017A2SD006 | 570 | F017A3QD006 |
| 266 | F016N23K001.A | 568 | F017A1CD033 | 568 | F017A2AD033 | 570 | F017A2SD033 | 570 | F017A3QD033 |
| 266 | F016N23K006.A | 568 | F017A1DA006 | 568 | F017A2BA006 | 570 | F017A2TA006 | 570 | F017A3RA006 |
| 266 | F016N23K012.A | 568 | F017A1DA033 | 568 | F017A2BA033 | 570 | F017A2TA033 | 570 | F017A3RA033 |
| 266 | F016N23K018.A | 568 | F017A1DB006 | 568 | F017A2BB006 | 570 | F017A2TB006 | 570 | F017A3RB006 |
| 266 | F016N23K030.A | 568 | F017A1DB033 | 568 | F017A2BB033 | 570 | F017A2TB033 | 570 | F017A3RB033 |
| 266 | F016N23K033.A | 568 | F017A1DD006 | 568 | F017A2BD006 | 570 | F017A2TD006 | 570 | F017A3RD006 |
| 264 | F016N31K001.A | 568 | F017A1DD033 | 568 | F017A2BD033 | 570 | F017A2TD033 | 570 | F017A3RD033 |
| 264 | F016N31K006.A | 569 | F017A1HA006 | 568 | F017A2CA006 | 568 | F017A3AA006 | 570 | F017A3SA006 |
| 264 | F016N31K012.A | 569 | F017A1HA033 | 568 | F017A2CA033 | 568 | F017A3AA033 | 570 | F017A3SA033 |
| 264 | F016N31K018.A | 569 | F017A1HB006 | 568 | F017A2CB006 | 568 | F017A3AB006 | 570 | F017A3SB006 |
| 264 | F016N31K030.A | 569 | F017A1HB033 | 568 | F017A2CB033 | 568 | F017A3AB033 | 570 | F017A3SB033 |
| 264 | F016N31K033.A | 569 | F017A1HD006 | 568 | F017A2CD006 | 568 | F017A3AD006 | 570 | F017A3SD006 |
| 265 | F016N32K001.A | 569 | F017A1HD033 | 568 | F017A2CD033 | 568 | F017A3AD033 | 570 | F017A3SD033 |
| 265 | F016N32K006.A | 569 | F017A1JA006 | 568 | F017A2DA006 | 568 | F017A3BA006 | 570 | F017A3TA006 |
| 265 | F016N32K012.A | 569 | F017A1JA033 | 568 | F017A2DA033 | 568 | F017A3BA033 | 570 | F017A3TA033 |
| 265 | F016N32K018.A | 569 | F017A1JB006 | 568 | F017A2DB006 | 568 | F017A3BB006 | 570 | F017A3TB006 |
| 265 | F016N32K030.A | 569 | F017A1JB033 | 568 | F017A2DB033 | 568 | F017A3BB033 | 570 | F017A3TB033 |
| 265 | F016N32K033.A | 569 | F017A1JD006 | 568 | F017A2DD006 | 568 | F017A3BD006 | 570 | F017A3TD006 |
| 266 | F016N33K001.A | 569 | F017A1JD033 | 568 | F017A2DD033 | 568 | F017A3BD033 | 570 | F017A3TD033 |
| 266 | F016N33K006.A | 569 | F017A1KA006 | 569 | F017A2HA006 | 568 | F017A3CA006 | 568 | F017A4AA006 |
| 266 | F016N33K012.A | 569 | F017A1KA033 | 569 | F017A2HA033 | 568 | F017A3CA033 | 568 | F017A4AA033 |
| 266 | F016N33K018.A | 569 | F017A1KB006 | 569 | F017A2HB006 | 568 | F017A3CB006 | 568 | F017A4AB006 |
| 266 | F016N33K030.A | 569 | F017A1KB033 | 569 | F017A2HB033 | 568 | F017A3CB033 | 568 | F017A4AB033 |
| 266 | F016N33K033.A | 569 | F017A1KD006 | 569 | F017A2HD006 | 568 | F017A3CD006 | 568 | F017A4AD006 |
| 264 | F016N41K001.A | 569 | F017A1KD033 | 569 | F017A2HD033 | 568 | F017A3CD033 | 568 | F017A4AD033 |
| 264 | F016N41K006.A | 569 | F017A1LA006 | 569 | F017A2JA006 | 568 | F017A3DA006 | 568 | F017A4BA006 |
| 264 | F016N41K012.A | 569 | F017A1LA033 | 569 | F017A2JA033 | 568 | F017A3DA033 | 568 | F017A4BA033 |
| 264 | F016N41K018.A | 569 | F017A1LB006 | 569 | F017A2JB006 | 568 | F017A3DB006 | 568 | F017A4BB006 |
| 264 | F016N41K030.A | 569 | F017A1LB033 | 569 | F017A2JB033 | 568 | F017A3DB033 | 568 | F017A4BB033 |
| 264 | F016N41K033.A | 569 | F017A1LD006 | 569 | F017A2JD006 | 568 | F017A3DD006 | 568 | F017A4BD006 |
| 265 | F016N42K001.A | 569 | F017A1LD033 | 569 | F017A2JD033 | 568 | F017A3DD033 | 568 | F017A4BD033 |
| 265 | F016N42K006.A | 570 | F017A1QA006 | 569 | F017A2KA006 | 569 | F017A3HA006 | 568 | F017A4CA006 |
| 265 | F016N42K012.A | 570 | F017A1QA033 | 569 | F017A2KA033 | 569 | F017A3HA033 | 568 | F017A4CA033 |
| 265 | F016N42K018.A | 570 | F017A1QB006 | 569 | F017A2KB006 | 569 | F017A3HB006 | 568 | F017A4CB006 |
| 265 | F016N42K030.A | 570 | F017A1QB033 | 569 | F017A2KB033 | 569 | F017A3HB033 | 568 | F017A4CB033 |
| 265 | F016N42K033.A | 570 | F017A1QD006 | 569 | F017A2KD006 | 569 | F017A3HD006 | 568 | F017A4CD006 |
| 266 | F016N43K001.A | 570 | F017A1QD033 | 569 | F017A2KD033 | 569 | F017A3HD033 | 568 | F017A4CD033 |
| 266 | F016N43K006.A | 570 | F017A1RA006 | 569 | F017A2LA006 | 569 | F017A3JA006 | 568 | F017A4DA006 |

| Page | Reference | Page | Reference | Page | Reference | Page | Reference | Page | Reference |
|---|---|---|---|---|---|---|---|---|---|
| 568 | F017A4DA033 | 571 | F017B1BA033 | 573 | F017B1TA033 | 573 | F017B2RA033 | 572 | F017B3LA033 |
| 568 | F017A4DB006 | 571 | F017B1BB006 | 573 | F017B1TB006 | 573 | F017B2RB006 | 572 | F017B3LB006 |
| 568 | F017A4DB033 | 571 | F017B1BB033 | 573 | F017B1TB033 | 573 | F017B2RB033 | 572 | F017B3LB033 |
| 568 | F017A4DD006 | 571 | F017B1BD006 | 573 | F017B1TD006 | 573 | F017B2RD006 | 572 | F017B3LD006 |
| 568 | F017A4DD033 | 571 | F017B1BD033 | 573 | F017B1TD033 | 573 | F017B2RD033 | 572 | F017B3LD033 |
| 569 | F017A4HA006 | 571 | F017B1CA006 | 571 | F017B2AA006 | 573 | F017B2SA006 | 573 | F017B3QA006 |
| 569 | F017A4HA033 | 571 | F017B1CA033 | 571 | F017B2AA033 | 573 | F017B2SA033 | 573 | F017B3QA033 |
| 569 | F017A4HB006 | 571 | F017B1CB006 | 571 | F017B2AB006 | 573 | F017B2SB006 | 573 | F017B3QB006 |
| 569 | F017A4HB033 | 571 | F017B1CB033 | 571 | F017B2AB033 | 573 | F017B2SB033 | 573 | F017B3QB033 |
| 569 | F017A4HD006 | 571 | F017B1CD006 | 571 | F017B2AD006 | 573 | F017B2SD006 | 573 | F017B3QD006 |
| 569 | F017A4HD033 | 571 | F017B1CD033 | 571 | F017B2AD033 | 573 | F017B2SD033 | 573 | F017B3QD033 |
| 569 | F017A4JA006 | 571 | F017B1DA006 | 571 | F017B2BA006 | 573 | F017B2TA006 | 573 | F017B3RA006 |
| 569 | F017A4JA033 | 571 | F017B1DA033 | 571 | F017B2BA033 | 573 | F017B2TA033 | 573 | F017B3RA033 |
| 569 | F017A4JB006 | 571 | F017B1DB006 | 571 | F017B2BB006 | 573 | F017B2TB006 | 573 | F017B3RB006 |
| 569 | F017A4JB033 | 571 | F017B1DB033 | 571 | F017B2BB033 | 573 | F017B2TB033 | 573 | F017B3RB033 |
| 569 | F017A4JD006 | 571 | F017B1DD006 | 571 | F017B2BD006 | 573 | F017B2TD006 | 573 | F017B3RD006 |
| 569 | F017A4JD033 | 571 | F017B1DD033 | 571 | F017B2BD033 | 573 | F017B2TD033 | 573 | F017B3RD033 |
| 569 | F017A4KA006 | 572 | F017B1HA006 | 571 | F017B2CA006 | 571 | F017B3AA006 | 573 | F017B3SA006 |
| 569 | F017A4KA033 | 572 | F017B1HA033 | 571 | F017B2CA033 | 571 | F017B3AA033 | 573 | F017B3SA033 |
| 569 | F017A4KB006 | 572 | F017B1HB006 | 571 | F017B2CB006 | 571 | F017B3AB006 | 573 | F017B3SB006 |
| 569 | F017A4KB033 | 572 | F017B1HB033 | 571 | F017B2CB033 | 571 | F017B3AB033 | 573 | F017B3SB033 |
| 569 | F017A4KD006 | 572 | F017B1HD006 | 571 | F017B2CD006 | 571 | F017B3AD006 | 573 | F017B3SD006 |
| 569 | F017A4KD033 | 572 | F017B1HD033 | 571 | F017B2CD033 | 571 | F017B3AD033 | 573 | F017B3SD033 |
| 569 | F017A4LA006 | 572 | F017B1JA006 | 571 | F017B2DA006 | 571 | F017B3BA006 | 573 | F017B3TA006 |
| 569 | F017A4LA033 | 572 | F017B1JA033 | 571 | F017B2DA033 | 571 | F017B3BA033 | 573 | F017B3TA033 |
| 569 | F017A4LB006 | 572 | F017B1JB006 | 571 | F017B2DB006 | 571 | F017B3BB006 | 573 | F017B3TB006 |
| 569 | F017A4LB033 | 572 | F017B1JB033 | 571 | F017B2DB033 | 571 | F017B3BB033 | 573 | F017B3TB033 |
| 569 | F017A4LD006 | 572 | F017B1JD006 | 571 | F017B2DD006 | 571 | F017B3BD006 | 573 | F017B3TD006 |
| 569 | F017A4LD033 | 572 | F017B1JD033 | 571 | F017B2DD033 | 571 | F017B3BD033 | 573 | F017B3TD033 |
| 570 | F017A4QA006 | 572 | F017B1KA006 | 572 | F017B2HA006 | 571 | F017B3CA006 | 571 | F017B4AA006 |
| 570 | F017A4QA033 | 572 | F017B1KA033 | 572 | F017B2HA033 | 571 | F017B3CA033 | 571 | F017B4AA033 |
| 570 | F017A4QB006 | 572 | F017B1KB006 | 572 | F017B2HB006 | 571 | F017B3CB006 | 571 | F017B4AB006 |
| 570 | F017A4QB033 | 572 | F017B1KB033 | 572 | F017B2HB033 | 571 | F017B3CB033 | 571 | F017B4AB033 |
| 570 | F017A4QD006 | 572 | F017B1KD006 | 572 | F017B2HD006 | 571 | F017B3CD006 | 571 | F017B4AD006 |
| 570 | F017A4QD033 | 572 | F017B1KD033 | 572 | F017B2HD033 | 571 | F017B3CD033 | 571 | F017B4AD033 |
| 570 | F017A4RA006 | 572 | F017B1LA006 | 572 | F017B2JA006 | 571 | F017B3DA006 | 571 | F017B4BA006 |
| 570 | F017A4RA033 | 572 | F017B1LA033 | 572 | F017B2JA033 | 571 | F017B3DA033 | 571 | F017B4BA033 |
| 570 | F017A4RB006 | 572 | F017B1LB006 | 572 | F017B2JB006 | 571 | F017B3DB006 | 571 | F017B4BB006 |
| 570 | F017A4RB033 | 572 | F017B1LB033 | 572 | F017B2JB033 | 571 | F017B3DB033 | 571 | F017B4BB033 |
| 570 | F017A4RD006 | 572 | F017B1LD006 | 572 | F017B2JD006 | 571 | F017B3DD006 | 571 | F017B4BD006 |
| 570 | F017A4RD033 | 572 | F017B1LD033 | 572 | F017B2JD033 | 571 | F017B3DD033 | 571 | F017B4BD033 |
| 570 | F017A4SA006 | 573 | F017B1QA006 | 572 | F017B2KA006 | 572 | F017B3HA006 | 571 | F017B4CA006 |
| 570 | F017A4SA033 | 573 | F017B1QA033 | 572 | F017B2KA033 | 572 | F017B3HA033 | 571 | F017B4CA033 |
| 570 | F017A4SB006 | 573 | F017B1QB006 | 572 | F017B2KB006 | 572 | F017B3HB006 | 571 | F017B4CB006 |
| 570 | F017A4SB033 | 573 | F017B1QB033 | 572 | F017B2KB033 | 572 | F017B3HB033 | 571 | F017B4CB033 |
| 570 | F017A4SD006 | 573 | F017B1QD006 | 572 | F017B2KD006 | 572 | F017B3HD006 | 571 | F017B4CD006 |
| 570 | F017A4SD033 | 573 | F017B1QD033 | 572 | F017B2KD033 | 572 | F017B3HD033 | 571 | F017B4CD033 |
| 570 | F017A4TA006 | 573 | F017B1RA006 | 572 | F017B2LA006 | 572 | F017B3JA006 | 571 | F017B4DA006 |
| 570 | F017A4TA033 | 573 | F017B1RA033 | 572 | F017B2LA033 | 572 | F017B3JA033 | 571 | F017B4DA033 |
| 570 | F017A4TB006 | 573 | F017B1RB006 | 572 | F017B2LB006 | 572 | F017B3JB006 | 571 | F017B4DB006 |
| 570 | F017A4TB033 | 573 | F017B1RB033 | 572 | F017B2LB033 | 572 | F017B3JB033 | 571 | F017B4DB033 |
| 570 | F017A4TD006 | 573 | F017B1RD006 | 572 | F017B2LD006 | 572 | F017B3JD006 | 571 | F017B4DD006 |
| 570 | F017A4TD033 | 573 | F017B1RD033 | 572 | F017B2LD033 | 572 | F017B3JD033 | 571 | F017B4DD033 |
| 571 | F017B1AA006 | 573 | F017B1SA006 | 573 | F017B2QA006 | 572 | F017B3KA006 | 572 | F017B4HA006 |
| 571 | F017B1AA033 | 573 | F017B1SA033 | 573 | F017B2QA033 | 572 | F017B3KA033 | 572 | F017B4HA033 |
| 571 | F017B1AB006 | 573 | F017B1SB006 | 573 | F017B2QB006 | 572 | F017B3KB006 | 572 | F017B4HB006 |
| 571 | F017B1AB033 | 573 | F017B1SB033 | 573 | F017B2QB033 | 572 | F017B3KB033 | 572 | F017B4HB033 |
| 571 | F017B1AD006 | 573 | F017B1SD006 | 573 | F017B2QD006 | 572 | F017B3KD006 | 572 | F017B4HD006 |
| 571 | F017B1AD033 | 573 | F017B1SD033 | 573 | F017B2QD033 | 572 | F017B3KD033 | 572 | F017B4HD033 |
| 571 | F017B1BA006 | 573 | F017B1TA006 | 573 | F017B2RA006 | 572 | F017B3LA006 | 572 | F017B4JA006 |

| Page | Reference | Page | Reference | Page | Reference | Page | Reference | Page | Reference |
|---|---|---|---|---|---|---|---|---|---|
| 572 | F017B4JA033 | 574 | F017C1DA033 | 574 | F017C2BA033 | 576 | F017C2TA033 | 576 | F017C3RA033 |
| 572 | F017B4JB006 | 574 | F017C1DB006 | 574 | F017C2BB006 | 576 | F017C2TB006 | 576 | F017C3RB006 |
| 572 | F017B4JB033 | 574 | F017C1DB033 | 574 | F017C2BB033 | 576 | F017C2TB033 | 576 | F017C3RB033 |
| 572 | F017B4JD006 | 574 | F017C1DD006 | 574 | F017C2BD006 | 576 | F017C2TD006 | 576 | F017C3RD006 |
| 572 | F017B4JD033 | 574 | F017C1DD033 | 574 | F017C2BD033 | 576 | F017C2TD033 | 576 | F017C3RD033 |
| 572 | F017B4KA006 | 575 | F017C1HA006 | 574 | F017C2CA006 | 574 | F017C3AA006 | 576 | F017C3SA006 |
| 572 | F017B4KA033 | 575 | F017C1HA033 | 574 | F017C2CA033 | 574 | F017C3AA033 | 576 | F017C3SA033 |
| 572 | F017B4KB006 | 575 | F017C1HB006 | 574 | F017C2CB006 | 574 | F017C3AB006 | 576 | F017C3SB006 |
| 572 | F017B4KB033 | 575 | F017C1HB033 | 574 | F017C2CB033 | 574 | F017C3AB033 | 576 | F017C3SB033 |
| 572 | F017B4KD006 | 575 | F017C1HD006 | 574 | F017C2CD006 | 574 | F017C3AD006 | 576 | F017C3SD006 |
| 572 | F017B4KD033 | 575 | F017C1HD033 | 574 | F017C2CD033 | 574 | F017C3AD033 | 576 | F017C3SD033 |
| 572 | F017B4LA006 | 575 | F017C1JA006 | 574 | F017C2DA006 | 574 | F017C3BA006 | 576 | F017C3TA006 |
| 572 | F017B4LA033 | 575 | F017C1JA033 | 574 | F017C2DA033 | 574 | F017C3BA033 | 576 | F017C3TA033 |
| 572 | F017B4LB006 | 575 | F017C1JB006 | 574 | F017C2DB006 | 574 | F017C3BB006 | 576 | F017C3TB006 |
| 572 | F017B4LB033 | 575 | F017C1JB033 | 574 | F017C2DB033 | 574 | F017C3BB033 | 576 | F017C3TB033 |
| 572 | F017B4LD006 | 575 | F017C1JD006 | 574 | F017C2DD006 | 574 | F017C3BD006 | 576 | F017C3TD006 |
| 572 | F017B4LD033 | 575 | F017C1JD033 | 574 | F017C2DD033 | 574 | F017C3BD033 | 576 | F017C3TD033 |
| 573 | F017B4QA006 | 575 | F017C1KA006 | 575 | F017C2HA006 | 574 | F017C3CA006 | 574 | F017C4AA006 |
| 573 | F017B4QA033 | 575 | F017C1KA033 | 575 | F017C2HA033 | 574 | F017C3CA033 | 574 | F017C4AA033 |
| 573 | F017B4QB006 | 575 | F017C1KB006 | 575 | F017C2HB006 | 574 | F017C3CB006 | 574 | F017C4AB006 |
| 573 | F017B4QB033 | 575 | F017C1KB033 | 575 | F017C2HB033 | 574 | F017C3CB033 | 574 | F017C4AB033 |
| 573 | F017B4QD006 | 575 | F017C1KD006 | 575 | F017C2HD006 | 574 | F017C3CD006 | 574 | F017C4AD006 |
| 573 | F017B4QD033 | 575 | F017C1KD033 | 575 | F017C2HD033 | 574 | F017C3CD033 | 574 | F017C4AD033 |
| 573 | F017B4RA006 | 575 | F017C1LA006 | 575 | F017C2JA006 | 574 | F017C3DA006 | 574 | F017C4BA006 |
| 573 | F017B4RA033 | 575 | F017C1LA033 | 575 | F017C2JA033 | 574 | F017C3DA033 | 574 | F017C4BA033 |
| 573 | F017B4RB006 | 575 | F017C1LB006 | 575 | F017C2JB006 | 574 | F017C3DB006 | 574 | F017C4BB006 |
| 573 | F017B4RB033 | 575 | F017C1LB033 | 575 | F017C2JB033 | 574 | F017C3DB033 | 574 | F017C4BB033 |
| 573 | F017B4RD006 | 575 | F017C1LD006 | 575 | F017C2JD006 | 574 | F017C3DD006 | 574 | F017C4BD006 |
| 573 | F017B4RD033 | 575 | F017C1LD033 | 575 | F017C2JD033 | 574 | F017C3DD033 | 574 | F017C4BD033 |
| 573 | F017B4SA006 | 576 | F017C1QA006 | 575 | F017C2KA006 | 575 | F017C3HA006 | 574 | F017C4CA006 |
| 573 | F017B4SA033 | 576 | F017C1QA033 | 575 | F017C2KA033 | 575 | F017C3HA033 | 574 | F017C4CA033 |
| 573 | F017B4SB006 | 576 | F017C1QB006 | 575 | F017C2KB006 | 575 | F017C3HB006 | 574 | F017C4CB006 |
| 573 | F017B4SB033 | 576 | F017C1QB033 | 575 | F017C2KB033 | 575 | F017C3HB033 | 574 | F017C4CB033 |
| 573 | F017B4SD006 | 576 | F017C1QD006 | 575 | F017C2KD006 | 575 | F017C3HD006 | 574 | F017C4CD006 |
| 573 | F017B4SD033 | 576 | F017C1QD033 | 575 | F017C2KD033 | 575 | F017C3HD033 | 574 | F017C4CD033 |
| 573 | F017B4TA006 | 576 | F017C1RA006 | 575 | F017C2LA006 | 575 | F017C3JA006 | 574 | F017C4DA006 |
| 573 | F017B4TA033 | 576 | F017C1RA033 | 575 | F017C2LA033 | 575 | F017C3JA033 | 574 | F017C4DA033 |
| 573 | F017B4TB006 | 576 | F017C1RB006 | 575 | F017C2LB006 | 575 | F017C3JB006 | 574 | F017C4DB006 |
| 573 | F017B4TB033 | 576 | F017C1RB033 | 575 | F017C2LB033 | 575 | F017C3JB033 | 574 | F017C4DB033 |
| 573 | F017B4TD006 | 576 | F017C1RD006 | 575 | F017C2LD006 | 575 | F017C3JD006 | 574 | F017C4DD006 |
| 573 | F017B4TD033 | 576 | F017C1RD033 | 575 | F017C2LD033 | 575 | F017C3JD033 | 574 | F017C4DD033 |
| 574 | F017C1AA006 | 576 | F017C1SA006 | 576 | F017C2QA006 | 575 | F017C3KA006 | 575 | F017C4HA006 |
| 574 | F017C1AA033 | 576 | F017C1SA033 | 576 | F017C2QA033 | 575 | F017C3KA033 | 575 | F017C4HA033 |
| 574 | F017C1AB006 | 576 | F017C1SB006 | 576 | F017C2QB006 | 575 | F017C3KB006 | 575 | F017C4HB006 |
| 574 | F017C1AB033 | 576 | F017C1SB033 | 576 | F017C2QB033 | 575 | F017C3KB033 | 575 | F017C4HB033 |
| 574 | F017C1AD006 | 576 | F017C1SD006 | 576 | F017C2QD006 | 575 | F017C3KD006 | 575 | F017C4HD006 |
| 574 | F017C1AD033 | 576 | F017C1SD033 | 576 | F017C2QD033 | 575 | F017C3KD033 | 575 | F017C4HD033 |
| 574 | F017C1BA006 | 576 | F017C1TA006 | 576 | F017C2RA006 | 575 | F017C3LA006 | 575 | F017C4JA006 |
| 574 | F017C1BA033 | 576 | F017C1TA033 | 576 | F017C2RA033 | 575 | F017C3LA033 | 575 | F017C4JA033 |
| 574 | F017C1BB006 | 576 | F017C1TB006 | 576 | F017C2RB006 | 575 | F017C3LB006 | 575 | F017C4JB006 |
| 574 | F017C1BB033 | 576 | F017C1TB033 | 576 | F017C2RB033 | 575 | F017C3LB033 | 575 | F017C4JB033 |
| 574 | F017C1BD006 | 576 | F017C1TD006 | 576 | F017C2RD006 | 575 | F017C3LD006 | 575 | F017C4JD006 |
| 574 | F017C1BD033 | 576 | F017C1TD033 | 576 | F017C2RD033 | 575 | F017C3LD033 | 575 | F017C4JD033 |
| 574 | F017C1CA006 | 574 | F017C2AA006 | 576 | F017C2SA006 | 576 | F017C3QA006 | 575 | F017C4KA006 |
| 574 | F017C1CA033 | 574 | F017C2AA033 | 576 | F017C2SA033 | 576 | F017C3QA033 | 575 | F017C4KA033 |
| 574 | F017C1CB006 | 574 | F017C2AB006 | 576 | F017C2SB006 | 576 | F017C3QB006 | 575 | F017C4KB006 |
| 574 | F017C1CB033 | 574 | F017C2AB033 | 576 | F017C2SB033 | 576 | F017C3QB033 | 575 | F017C4KB033 |
| 574 | F017C1CD006 | 574 | F017C2AD006 | 576 | F017C2SD006 | 576 | F017C3QD006 | 575 | F017C4KD006 |
| 574 | F017C1CD033 | 574 | F017C2AD033 | 576 | F017C2SD033 | 576 | F017C3QD033 | 575 | F017C4KD033 |
| 574 | F017C1DA006 | 574 | F017C2BA006 | 576 | F017C2TA006 | 576 | F017C3RA006 | 575 | F017C4LA006 |

| Page | Reference | Page | Reference | Page | Reference | Page | Reference | Page | Reference |
|---|---|---|---|---|---|---|---|---|---|
| 575 | F017C4LA033 | 578 | F017D1JA033 | 577 | F017D2DA033 | 577 | F017D3BA033 | 579 | F017D3TA033 |
| 575 | F017C4LB006 | 578 | F017D1JB006 | 577 | F017D2DB006 | 577 | F017D3BB006 | 579 | F017D3TB006 |
| 575 | F017C4LB033 | 578 | F017D1JB033 | 577 | F017D2DB033 | 577 | F017D3BB033 | 579 | F017D3TB033 |
| 575 | F017C4LD006 | 578 | F017D1JD006 | 577 | F017D2DD006 | 577 | F017D3BD006 | 579 | F017D3TD006 |
| 575 | F017C4LD033 | 578 | F017D1JD033 | 577 | F017D2DD033 | 577 | F017D3BD033 | 579 | F017D3TD033 |
| 576 | F017C4QA006 | 578 | F017D1KA006 | 578 | F017D2HA006 | 577 | F017D3CA006 | 577 | F017D4AA006 |
| 576 | F017C4QA033 | 578 | F017D1KA033 | 578 | F017D2HA033 | 577 | F017D3CA033 | 577 | F017D4AA033 |
| 576 | F017C4QB006 | 578 | F017D1KB006 | 578 | F017D2HB006 | 577 | F017D3CB006 | 577 | F017D4AB006 |
| 576 | F017C4QB033 | 578 | F017D1KB033 | 578 | F017D2HB033 | 577 | F017D3CB033 | 577 | F017D4AB033 |
| 576 | F017C4QD006 | 578 | F017D1KD006 | 578 | F017D2HD006 | 577 | F017D3CD006 | 577 | F017D4AD006 |
| 576 | F017C4QD033 | 578 | F017D1KD033 | 578 | F017D2HD033 | 577 | F017D3CD033 | 577 | F017D4AD033 |
| 576 | F017C4RA006 | 578 | F017D1LA006 | 578 | F017D2JA006 | 577 | F017D3DA006 | 577 | F017D4BA006 |
| 576 | F017C4RA033 | 578 | F017D1LA033 | 578 | F017D2JA033 | 577 | F017D3DA033 | 577 | F017D4BA033 |
| 576 | F017C4RB006 | 578 | F017D1LB006 | 578 | F017D2JB006 | 577 | F017D3DB006 | 577 | F017D4BB006 |
| 576 | F017C4RB033 | 578 | F017D1LB033 | 578 | F017D2JB033 | 577 | F017D3DB033 | 577 | F017D4BB033 |
| 576 | F017C4RD006 | 578 | F017D1LD006 | 578 | F017D2JD006 | 577 | F017D3DD006 | 577 | F017D4BD006 |
| 576 | F017C4RD033 | 578 | F017D1LD033 | 578 | F017D2JD033 | 577 | F017D3DD033 | 577 | F017D4BD033 |
| 576 | F017C4SA006 | 579 | F017D1QA006 | 578 | F017D2KA006 | 578 | F017D3HA006 | 577 | F017D4CA006 |
| 576 | F017C4SA033 | 579 | F017D1QA033 | 578 | F017D2KA033 | 578 | F017D3HA033 | 577 | F017D4CA033 |
| 576 | F017C4SB006 | 579 | F017D1QB006 | 578 | F017D2KB006 | 578 | F017D3HB006 | 577 | F017D4CB006 |
| 576 | F017C4SB033 | 579 | F017D1QB033 | 578 | F017D2KB033 | 578 | F017D3HB033 | 577 | F017D4CB033 |
| 576 | F017C4SD006 | 579 | F017D1QD006 | 578 | F017D2KD006 | 578 | F017D3HD006 | 577 | F017D4CD006 |
| 576 | F017C4SD033 | 579 | F017D1QD033 | 578 | F017D2KD033 | 578 | F017D3HD033 | 577 | F017D4CD033 |
| 576 | F017C4TA006 | 579 | F017D1RA006 | 578 | F017D2LA006 | 578 | F017D3JA006 | 577 | F017D4DA006 |
| 576 | F017C4TA033 | 579 | F017D1RA033 | 578 | F017D2LA033 | 578 | F017D3JA033 | 577 | F017D4DA033 |
| 576 | F017C4TB006 | 579 | F017D1RB006 | 578 | F017D2LB006 | 578 | F017D3JB006 | 577 | F017D4DB006 |
| 576 | F017C4TB033 | 579 | F017D1RB033 | 578 | F017D2LB033 | 578 | F017D3JB033 | 577 | F017D4DB033 |
| 576 | F017C4TD006 | 579 | F017D1RD006 | 578 | F017D2LD006 | 578 | F017D3JD006 | 577 | F017D4DD006 |
| 576 | F017C4TD033 | 579 | F017D1RD033 | 578 | F017D2LD033 | 578 | F017D3JD033 | 577 | F017D4DD033 |
| 577 | F017D1AA006 | 579 | F017D1SA006 | 579 | F017D2QA006 | 578 | F017D3KA006 | 578 | F017D4HA006 |
| 577 | F017D1AA033 | 579 | F017D1SA033 | 579 | F017D2QA033 | 578 | F017D3KA033 | 578 | F017D4HA033 |
| 577 | F017D1AB006 | 579 | F017D1SB006 | 579 | F017D2QB006 | 578 | F017D3KB006 | 578 | F017D4HB006 |
| 577 | F017D1AB033 | 579 | F017D1SB033 | 579 | F017D2QB033 | 578 | F017D3KB033 | 578 | F017D4HB033 |
| 577 | F017D1AD006 | 579 | F017D1SD006 | 579 | F017D2QD006 | 578 | F017D3KD006 | 578 | F017D4HD006 |
| 577 | F017D1AD033 | 579 | F017D1SD033 | 579 | F017D2QD033 | 578 | F017D3KD033 | 578 | F017D4HD033 |
| 577 | F017D1BA006 | 579 | F017D1TA006 | 579 | F017D2RA006 | 578 | F017D3LA006 | 578 | F017D4JA006 |
| 577 | F017D1BA033 | 579 | F017D1TA033 | 579 | F017D2RA033 | 578 | F017D3LA033 | 578 | F017D4JA033 |
| 577 | F017D1BB006 | 579 | F017D1TB006 | 579 | F017D2RB006 | 578 | F017D3LB006 | 578 | F017D4JB006 |
| 577 | F017D1BB033 | 579 | F017D1TB033 | 579 | F017D2RB033 | 578 | F017D3LB033 | 578 | F017D4JB033 |
| 577 | F017D1BD006 | 579 | F017D1TD006 | 579 | F017D2RD006 | 578 | F017D3LD006 | 578 | F017D4JD006 |
| 577 | F017D1BD033 | 579 | F017D1TD033 | 579 | F017D2RD033 | 578 | F017D3LD033 | 578 | F017D4JD033 |
| 577 | F017D1CA006 | 577 | F017D2AA006 | 579 | F017D2SA006 | 579 | F017D3QA006 | 578 | F017D4KA006 |
| 577 | F017D1CA033 | 577 | F017D2AA033 | 579 | F017D2SA033 | 579 | F017D3QA033 | 578 | F017D4KA033 |
| 577 | F017D1CB006 | 577 | F017D2AB006 | 579 | F017D2SB006 | 579 | F017D3QB006 | 578 | F017D4KB006 |
| 577 | F017D1CB033 | 577 | F017D2AB033 | 579 | F017D2SB033 | 579 | F017D3QB033 | 578 | F017D4KB033 |
| 577 | F017D1CD006 | 577 | F017D2AD006 | 579 | F017D2SD006 | 579 | F017D3QD006 | 578 | F017D4KD006 |
| 577 | F017D1CD033 | 577 | F017D2AD033 | 579 | F017D2SD033 | 579 | F017D3QD033 | 578 | F017D4KD033 |
| 577 | F017D1DA006 | 577 | F017D2BA006 | 579 | F017D2TA006 | 579 | F017D3RA006 | 578 | F017D4LA006 |
| 577 | F017D1DA033 | 577 | F017D2BA033 | 579 | F017D2TA033 | 579 | F017D3RA033 | 578 | F017D4LA033 |
| 577 | F017D1DB006 | 577 | F017D2BB006 | 579 | F017D2TB006 | 579 | F017D3RB006 | 578 | F017D4LB006 |
| 577 | F017D1DB033 | 577 | F017D2BB033 | 579 | F017D2TB033 | 579 | F017D3RB033 | 578 | F017D4LB033 |
| 577 | F017D1DD006 | 577 | F017D2BD006 | 579 | F017D2TD006 | 579 | F017D3RD006 | 578 | F017D4LD006 |
| 577 | F017D1DD033 | 577 | F017D2BD033 | 579 | F017D2TD033 | 579 | F017D3RD033 | 578 | F017D4LD033 |
| 578 | F017D1HA006 | 577 | F017D2CA006 | 577 | F017D3AA006 | 579 | F017D3SA006 | 579 | F017D4QA006 |
| 578 | F017D1HA033 | 577 | F017D2CA033 | 577 | F017D3AA033 | 579 | F017D3SA033 | 579 | F017D4QA033 |
| 578 | F017D1HB006 | 577 | F017D2CB006 | 577 | F017D3AB006 | 579 | F017D3SB006 | 579 | F017D4QB006 |
| 578 | F017D1HB033 | 577 | F017D2CB033 | 577 | F017D3AB033 | 579 | F017D3SB033 | 579 | F017D4QB033 |
| 578 | F017D1HD006 | 577 | F017D2CD006 | 577 | F017D3AD006 | 579 | F017D3SD006 | 579 | F017D4QD006 |
| 578 | F017D1HD033 | 577 | F017D2CD033 | 577 | F017D3AD033 | 579 | F017D3SD033 | 579 | F017D4QD033 |
| 578 | F017D1JA006 | 577 | F017D2DA006 | 577 | F017D3BA006 | 579 | F017D3TA006 | 579 | F017D4RA006 |

| Page | Reference | Page | Reference | Page | Reference | Page | Reference | Page | Reference |
|---|---|---|---|---|---|---|---|---|---|
| 579 | F017D4RA033 | 593 | F017E1LA033 | 593 | F017E2JA033 | 592 | F017E3DA033 | 592 | F017E4BA033 |
| 579 | F017D4RB006 | 593 | F017E1LB006 | 593 | F017E2JB006 | 592 | F017E3DB006 | 592 | F017E4BB006 |
| 579 | F017D4RB033 | 593 | F017E1LB033 | 593 | F017E2JB033 | 592 | F017E3DB033 | 592 | F017E4BB033 |
| 579 | F017D4RD006 | 593 | F017E1LD006 | 593 | F017E2JD006 | 592 | F017E3DD006 | 592 | F017E4BD006 |
| 579 | F017D4RD033 | 593 | F017E1LD033 | 593 | F017E2JD033 | 592 | F017E3DD033 | 592 | F017E4BD033 |
| 579 | F017D4SA006 | 594 | F017E1QA006 | 593 | F017E2KA006 | 593 | F017E3HA006 | 592 | F017E4CA006 |
| 579 | F017D4SA033 | 594 | F017E1QA033 | 593 | F017E2KA033 | 593 | F017E3HA033 | 592 | F017E4CA033 |
| 579 | F017D4SB006 | 594 | F017E1QB006 | 593 | F017E2KB006 | 593 | F017E3HB006 | 592 | F017E4CB006 |
| 579 | F017D4SB033 | 594 | F017E1QB033 | 593 | F017E2KB033 | 593 | F017E3HB033 | 592 | F017E4CB033 |
| 579 | F017D4SD006 | 594 | F017E1QD006 | 593 | F017E2KD006 | 593 | F017E3HD006 | 592 | F017E4CD006 |
| 579 | F017D4SD033 | 594 | F017E1QD033 | 593 | F017E2KD033 | 593 | F017E3HD033 | 592 | F017E4CD033 |
| 579 | F017D4TA006 | 594 | F017E1RA006 | 593 | F017E2LA006 | 593 | F017E3JA006 | 592 | F017E4DA006 |
| 579 | F017D4TA033 | 594 | F017E1RA033 | 593 | F017E2LA033 | 593 | F017E3JA033 | 592 | F017E4DA033 |
| 579 | F017D4TB006 | 594 | F017E1RB006 | 593 | F017E2LB006 | 593 | F017E3JB006 | 592 | F017E4DB006 |
| 579 | F017D4TB033 | 594 | F017E1RB033 | 593 | F017E2LB033 | 593 | F017E3JB033 | 592 | F017E4DB033 |
| 579 | F017D4TD006 | 594 | F017E1RD006 | 593 | F017E2LD006 | 593 | F017E3JD006 | 592 | F017E4DD006 |
| 579 | F017D4TD033 | 594 | F017E1RD033 | 593 | F017E2LD033 | 593 | F017E3JD033 | 592 | F017E4DD033 |
| 592 | F017E1AA006 | 594 | F017E1SA006 | 594 | F017E2QA006 | 593 | F017E3KA006 | 593 | F017E4HA006 |
| 592 | F017E1AA033 | 594 | F017E1SA033 | 594 | F017E2QA033 | 593 | F017E3KA033 | 593 | F017E4HA033 |
| 592 | F017E1AB006 | 594 | F017E1SB006 | 594 | F017E2QB006 | 593 | F017E3KB006 | 593 | F017E4HB006 |
| 592 | F017E1AB033 | 594 | F017E1SB033 | 594 | F017E2QB033 | 593 | F017E3KB033 | 593 | F017E4HB033 |
| 592 | F017E1AD006 | 594 | F017E1SD006 | 594 | F017E2QD006 | 593 | F017E3KD006 | 593 | F017E4HD006 |
| 592 | F017E1AD033 | 594 | F017E1SD033 | 594 | F017E2QD033 | 593 | F017E3KD033 | 593 | F017E4HD033 |
| 592 | F017E1BA006 | 594 | F017E1TA006 | 594 | F017E2RA006 | 593 | F017E3LA006 | 593 | F017E4JA006 |
| 592 | F017E1BA033 | 594 | F017E1TA033 | 594 | F017E2RA033 | 593 | F017E3LA033 | 593 | F017E4JA033 |
| 592 | F017E1BB006 | 594 | F017E1TB006 | 594 | F017E2RB006 | 593 | F017E3LB006 | 593 | F017E4JB006 |
| 592 | F017E1BB033 | 594 | F017E1TB033 | 594 | F017E2RB033 | 593 | F017E3LB033 | 593 | F017E4JB033 |
| 592 | F017E1BD006 | 594 | F017E1TD006 | 594 | F017E2RD006 | 593 | F017E3LD006 | 593 | F017E4JD006 |
| 592 | F017E1BD033 | 594 | F017E1TD033 | 594 | F017E2RD033 | 593 | F017E3LD033 | 593 | F017E4JD033 |
| 592 | F017E1CA006 | 592 | F017E2AA006 | 594 | F017E2SA006 | 594 | F017E3QA006 | 593 | F017E4KA006 |
| 592 | F017E1CA033 | 592 | F017E2AA033 | 594 | F017E2SA033 | 594 | F017E3QA033 | 593 | F017E4KA033 |
| 592 | F017E1CB006 | 592 | F017E2AB006 | 594 | F017E2SB006 | 594 | F017E3QB006 | 593 | F017E4KB006 |
| 592 | F017E1CB033 | 592 | F017E2AB033 | 594 | F017E2SB033 | 594 | F017E3QB033 | 593 | F017E4KB033 |
| 592 | F017E1CD006 | 592 | F017E2AD006 | 594 | F017E2SD006 | 594 | F017E3QD006 | 593 | F017E4KD006 |
| 592 | F017E1CD033 | 592 | F017E2AD033 | 594 | F017E2SD033 | 594 | F017E3QD033 | 593 | F017E4KD033 |
| 592 | F017E1DA006 | 592 | F017E2BA006 | 594 | F017E2TA006 | 594 | F017E3RA006 | 593 | F017E4LA006 |
| 592 | F017E1DA033 | 592 | F017E2BA033 | 594 | F017E2TA033 | 594 | F017E3RA033 | 593 | F017E4LA033 |
| 592 | F017E1DB006 | 592 | F017E2BB006 | 594 | F017E2TB006 | 594 | F017E3RB006 | 593 | F017E4LB006 |
| 592 | F017E1DB033 | 592 | F017E2BB033 | 594 | F017E2TB033 | 594 | F017E3RB033 | 593 | F017E4LB033 |
| 592 | F017E1DD006 | 592 | F017E2BD006 | 594 | F017E2TD006 | 594 | F017E3RD006 | 593 | F017E4LD006 |
| 592 | F017E1DD033 | 592 | F017E2BD033 | 594 | F017E2TD033 | 594 | F017E3RD033 | 593 | F017E4LD033 |
| 593 | F017E1HA006 | 592 | F017E2CA006 | 592 | F017E3AA006 | 594 | F017E3SA006 | 594 | F017E4QA006 |
| 593 | F017E1HA033 | 592 | F017E2CA033 | 592 | F017E3AA033 | 594 | F017E3SA033 | 594 | F017E4QA033 |
| 593 | F017E1HB006 | 592 | F017E2CB006 | 592 | F017E3AB006 | 594 | F017E3SB006 | 594 | F017E4QB006 |
| 593 | F017E1HB033 | 592 | F017E2CB033 | 592 | F017E3AB033 | 594 | F017E3SB033 | 594 | F017E4QB033 |
| 593 | F017E1HD006 | 592 | F017E2CD006 | 592 | F017E3AD006 | 594 | F017E3SD006 | 594 | F017E4QD006 |
| 593 | F017E1HD033 | 592 | F017E2CD033 | 592 | F017E3AD033 | 594 | F017E3SD033 | 594 | F017E4QD033 |
| 593 | F017E1JA006 | 592 | F017E2DA006 | 592 | F017E3BA006 | 594 | F017E3TA006 | 594 | F017E4RA006 |
| 593 | F017E1JA033 | 592 | F017E2DA033 | 592 | F017E3BA033 | 594 | F017E3TA033 | 594 | F017E4RA033 |
| 593 | F017E1JB006 | 592 | F017E2DB006 | 592 | F017E3BB006 | 594 | F017E3TB006 | 594 | F017E4RB006 |
| 593 | F017E1JB033 | 592 | F017E2DB033 | 592 | F017E3BB033 | 594 | F017E3TB033 | 594 | F017E4RB033 |
| 593 | F017E1JD006 | 592 | F017E2DD006 | 592 | F017E3BD006 | 594 | F017E3TD006 | 594 | F017E4RD006 |
| 593 | F017E1JD033 | 592 | F017E2DD033 | 592 | F017E3BD033 | 594 | F017E3TD033 | 594 | F017E4RD033 |
| 593 | F017E1KA006 | 593 | F017E2HA006 | 592 | F017E3CA006 | 592 | F017E4AA006 | 594 | F017E4SA006 |
| 593 | F017E1KA033 | 593 | F017E2HA033 | 592 | F017E3CA033 | 592 | F017E4AA033 | 594 | F017E4SA033 |
| 593 | F017E1KB006 | 593 | F017E2HB006 | 592 | F017E3CB006 | 592 | F017E4AB006 | 594 | F017E4SB006 |
| 593 | F017E1KB033 | 593 | F017E2HB033 | 592 | F017E3CB033 | 592 | F017E4AB033 | 594 | F017E4SB033 |
| 593 | F017E1KD006 | 593 | F017E2HD006 | 592 | F017E3CD006 | 592 | F017E4AD006 | 594 | F017E4SD006 |
| 593 | F017E1KD033 | 593 | F017E2HD033 | 592 | F017E3CD033 | 592 | F017E4AD033 | 594 | F017E4SD033 |
| 593 | F017E1LA006 | 593 | F017E2JA006 | 592 | F017E3DA006 | 592 | F017E4BA006 | 594 | F017E4TA006 |

| Page | Reference | Page | Reference | Page | Reference | Page | Reference | Page | Reference |
|---|---|---|---|---|---|---|---|---|---|
| 594 | F017E4TA033 | 597 | F017F1RA033 | 596 | F017F2LA033 | 596 | F017F3JA033 | 595 | F017F4DA033 |
| 594 | F017E4TB006 | 597 | F017F1RB006 | 596 | F017F2LB006 | 596 | F017F3JB006 | 595 | F017F4DB006 |
| 594 | F017E4TB033 | 597 | F017F1RB033 | 596 | F017F2LB033 | 596 | F017F3JB033 | 595 | F017F4DB033 |
| 594 | F017E4TD006 | 597 | F017F1RD006 | 596 | F017F2LD006 | 596 | F017F3JD006 | 595 | F017F4DD006 |
| 594 | F017E4TD033 | 597 | F017F1RD033 | 596 | F017F2LD033 | 596 | F017F3JD033 | 595 | F017F4DD033 |
| 595 | F017F1AA006 | 597 | F017F1SA006 | 597 | F017F2QA006 | 596 | F017F3KA006 | 596 | F017F4HA006 |
| 595 | F017F1AA033 | 597 | F017F1SA033 | 597 | F017F2QA033 | 596 | F017F3KA033 | 596 | F017F4HA033 |
| 595 | F017F1AB006 | 597 | F017F1SB006 | 597 | F017F2QB006 | 596 | F017F3KB006 | 596 | F017F4HB006 |
| 595 | F017F1AB033 | 597 | F017F1SB033 | 597 | F017F2QB033 | 596 | F017F3KB033 | 596 | F017F4HB033 |
| 595 | F017F1AD006 | 597 | F017F1SD006 | 597 | F017F2QD006 | 596 | F017F3KD006 | 596 | F017F4HD006 |
| 595 | F017F1AD033 | 597 | F017F1SD033 | 597 | F017F2QD033 | 596 | F017F3KD033 | 596 | F017F4HD033 |
| 595 | F017F1BA006 | 597 | F017F1TA006 | 597 | F017F2RA006 | 596 | F017F3LA006 | 596 | F017F4JA006 |
| 595 | F017F1BA033 | 597 | F017F1TA033 | 597 | F017F2RA033 | 596 | F017F3LA033 | 596 | F017F4JA033 |
| 595 | F017F1BB006 | 597 | F017F1TB006 | 597 | F017F2RB006 | 596 | F017F3LB006 | 596 | F017F4JB006 |
| 595 | F017F1BB033 | 597 | F017F1TB033 | 597 | F017F2RB033 | 596 | F017F3LB033 | 596 | F017F4JB033 |
| 595 | F017F1BD006 | 597 | F017F1TD006 | 597 | F017F2RD006 | 596 | F017F3LD006 | 596 | F017F4JD006 |
| 595 | F017F1BD033 | 597 | F017F1TD033 | 597 | F017F2RD033 | 596 | F017F3LD033 | 596 | F017F4JD033 |
| 595 | F017F1CA006 | 595 | F017F2AA006 | 597 | F017F2SA006 | 597 | F017F3QA006 | 596 | F017F4KA006 |
| 595 | F017F1CA033 | 595 | F017F2AA033 | 597 | F017F2SA033 | 597 | F017F3QA033 | 596 | F017F4KA033 |
| 595 | F017F1CB006 | 595 | F017F2AB006 | 597 | F017F2SB006 | 597 | F017F3QB006 | 596 | F017F4KB006 |
| 595 | F017F1CB033 | 595 | F017F2AB033 | 597 | F017F2SB033 | 597 | F017F3QB033 | 596 | F017F4KB033 |
| 595 | F017F1CD006 | 595 | F017F2AD006 | 597 | F017F2SD006 | 597 | F017F3QD006 | 596 | F017F4KD006 |
| 595 | F017F1CD033 | 595 | F017F2AD033 | 597 | F017F2SD033 | 597 | F017F3QD033 | 596 | F017F4KD033 |
| 595 | F017F1DA006 | 595 | F017F2BA006 | 597 | F017F2TA006 | 597 | F017F3RA006 | 596 | F017F4LA006 |
| 595 | F017F1DA033 | 595 | F017F2BA033 | 597 | F017F2TA033 | 597 | F017F3RA033 | 596 | F017F4LA033 |
| 595 | F017F1DB006 | 595 | F017F2BB006 | 597 | F017F2TB006 | 597 | F017F3RB006 | 596 | F017F4LB006 |
| 595 | F017F1DB033 | 595 | F017F2BB033 | 597 | F017F2TB033 | 597 | F017F3RB033 | 596 | F017F4LB033 |
| 595 | F017F1DD006 | 595 | F017F2BD006 | 597 | F017F2TD006 | 597 | F017F3RD006 | 596 | F017F4LD006 |
| 595 | F017F1DD033 | 595 | F017F2BD033 | 597 | F017F2TD033 | 597 | F017F3RD033 | 596 | F017F4LD033 |
| 596 | F017F1HA006 | 595 | F017F2CA006 | 595 | F017F3AA006 | 597 | F017F3SA006 | 597 | F017F4QA006 |
| 596 | F017F1HA033 | 595 | F017F2CA033 | 595 | F017F3AA033 | 597 | F017F3SA033 | 597 | F017F4QA033 |
| 596 | F017F1HB006 | 595 | F017F2CB006 | 595 | F017F3AB006 | 597 | F017F3SB006 | 597 | F017F4QB006 |
| 596 | F017F1HB033 | 595 | F017F2CB033 | 595 | F017F3AB033 | 597 | F017F3SB033 | 597 | F017F4QB033 |
| 596 | F017F1HD006 | 595 | F017F2CD006 | 595 | F017F3AD006 | 597 | F017F3SD006 | 597 | F017F4QD006 |
| 596 | F017F1HD033 | 595 | F017F2CD033 | 595 | F017F3AD033 | 597 | F017F3SD033 | 597 | F017F4QD033 |
| 596 | F017F1JA006 | 595 | F017F2DA006 | 595 | F017F3BA006 | 597 | F017F3TA006 | 597 | F017F4RA006 |
| 596 | F017F1JA033 | 595 | F017F2DA033 | 595 | F017F3BA033 | 597 | F017F3TA033 | 597 | F017F4RA033 |
| 596 | F017F1JB006 | 595 | F017F2DB006 | 595 | F017F3BB006 | 597 | F017F3TB006 | 597 | F017F4RB006 |
| 596 | F017F1JB033 | 595 | F017F2DB033 | 595 | F017F3BB033 | 597 | F017F3TB033 | 597 | F017F4RB033 |
| 596 | F017F1JD006 | 595 | F017F2DD006 | 595 | F017F3BD006 | 597 | F017F3TD006 | 597 | F017F4RD006 |
| 596 | F017F1JD033 | 595 | F017F2DD033 | 595 | F017F3BD033 | 597 | F017F3TD033 | 597 | F017F4RD033 |
| 596 | F017F1KA006 | 596 | F017F2HA006 | 595 | F017F3CA006 | 595 | F017F4AA006 | 597 | F017F4SA006 |
| 596 | F017F1KA033 | 596 | F017F2HA033 | 595 | F017F3CA033 | 595 | F017F4AA033 | 597 | F017F4SA033 |
| 596 | F017F1KB006 | 596 | F017F2HB006 | 595 | F017F3CB006 | 595 | F017F4AB006 | 597 | F017F4SB006 |
| 596 | F017F1KB033 | 596 | F017F2HB033 | 595 | F017F3CB033 | 595 | F017F4AB033 | 597 | F017F4SB033 |
| 596 | F017F1KD006 | 596 | F017F2HD006 | 595 | F017F3CD006 | 595 | F017F4AD006 | 597 | F017F4SD006 |
| 596 | F017F1KD033 | 596 | F017F2HD033 | 595 | F017F3CD033 | 595 | F017F4AD033 | 597 | F017F4SD033 |
| 596 | F017F1LA006 | 596 | F017F2JA006 | 595 | F017F3DA006 | 595 | F017F4BA006 | 597 | F017F4TA006 |
| 596 | F017F1LA033 | 596 | F017F2JA033 | 595 | F017F3DA033 | 595 | F017F4BA033 | 597 | F017F4TA033 |
| 596 | F017F1LB006 | 596 | F017F2JB006 | 595 | F017F3DB006 | 595 | F017F4BB006 | 597 | F017F4TB006 |
| 596 | F017F1LB033 | 596 | F017F2JB033 | 595 | F017F3DB033 | 595 | F017F4BB033 | 597 | F017F4TB033 |
| 596 | F017F1LD006 | 596 | F017F2JD006 | 595 | F017F3DD006 | 595 | F017F4BD006 | 597 | F017F4TD006 |
| 596 | F017F1LD033 | 596 | F017F2JD033 | 595 | F017F3DD033 | 595 | F017F4BD033 | 597 | F017F4TD033 |
| 597 | F017F1QA006 | 596 | F017F2KA006 | 596 | F017F3HA006 | 595 | F017F4CA006 | 598 | F017G1AA006 |
| 597 | F017F1QA033 | 596 | F017F2KA033 | 596 | F017F3HA033 | 595 | F017F4CA033 | 598 | F017G1AA033 |
| 597 | F017F1QB006 | 596 | F017F2KB006 | 596 | F017F3HB006 | 595 | F017F4CB006 | 598 | F017G1AB006 |
| 597 | F017F1QB033 | 596 | F017F2KB033 | 596 | F017F3HB033 | 595 | F017F4CB033 | 598 | F017G1AB033 |
| 597 | F017F1QD006 | 596 | F017F2KD006 | 596 | F017F3HD006 | 595 | F017F4CD006 | 598 | F017G1AD006 |
| 597 | F017F1QD033 | 596 | F017F2KD033 | 596 | F017F3HD033 | 595 | F017F4CD033 | 598 | F017G1AD033 |
| 597 | F017F1RA006 | 596 | F017F2LA006 | 596 | F017F3JA006 | 595 | F017F4DA006 | 598 | F017G1BA006 |

| Page | Reference | Page | Reference | Page | Reference | Page | Reference | Page | Reference |
|---|---|---|---|---|---|---|---|---|---|
| 598 | F017G1BA033 | 600 | F017G1TA033 | 600 | F017G2RA033 | 599 | F017G3LA033 | 599 | F017G4JA033 |
| 598 | F017G1BB006 | 600 | F017G1TB006 | 600 | F017G2RB006 | 599 | F017G3LB006 | 599 | F017G4JB006 |
| 598 | F017G1BB033 | 600 | F017G1TB033 | 600 | F017G2RB033 | 599 | F017G3LB033 | 599 | F017G4JB033 |
| 598 | F017G1BD006 | 600 | F017G1TD006 | 600 | F017G2RD006 | 599 | F017G3LD006 | 599 | F017G4JD006 |
| 598 | F017G1BD033 | 600 | F017G1TD033 | 600 | F017G2RD033 | 599 | F017G3LD033 | 599 | F017G4JD033 |
| 598 | F017G1CA006 | 598 | F017G2AA006 | 600 | F017G2SA006 | 600 | F017G3QA006 | 599 | F017G4KA006 |
| 598 | F017G1CA033 | 598 | F017G2AA033 | 600 | F017G2SA033 | 600 | F017G3QA033 | 599 | F017G4KA033 |
| 598 | F017G1CB006 | 598 | F017G2AB006 | 600 | F017G2SB006 | 600 | F017G3QB006 | 599 | F017G4KB006 |
| 598 | F017G1CB033 | 598 | F017G2AB033 | 600 | F017G2SB033 | 600 | F017G3QB033 | 599 | F017G4KB033 |
| 598 | F017G1CD006 | 598 | F017G2AD006 | 600 | F017G2SD006 | 600 | F017G3QD006 | 599 | F017G4KD006 |
| 598 | F017G1CD033 | 598 | F017G2AD033 | 600 | F017G2SD033 | 600 | F017G3QD033 | 599 | F017G4KD033 |
| 598 | F017G1DA006 | 598 | F017G2BA006 | 600 | F017G2TA006 | 600 | F017G3RA006 | 599 | F017G4LA006 |
| 598 | F017G1DA033 | 598 | F017G2BA033 | 600 | F017G2TA033 | 600 | F017G3RA033 | 599 | F017G4LA033 |
| 598 | F017G1DB006 | 598 | F017G2BB006 | 600 | F017G2TB006 | 600 | F017G3RB006 | 599 | F017G4LB006 |
| 598 | F017G1DB033 | 598 | F017G2BB033 | 600 | F017G2TB033 | 600 | F017G3RB033 | 599 | F017G4LB033 |
| 598 | F017G1DD006 | 598 | F017G2BD006 | 600 | F017G2TD006 | 600 | F017G3RD006 | 599 | F017G4LD006 |
| 598 | F017G1DD033 | 598 | F017G2BD033 | 600 | F017G2TD033 | 600 | F017G3RD033 | 599 | F017G4LD033 |
| 599 | F017G1HA006 | 598 | F017G2CA006 | 598 | F017G3AA006 | 600 | F017G3SA006 | 600 | F017G4QA006 |
| 599 | F017G1HA033 | 598 | F017G2CA033 | 598 | F017G3AA033 | 600 | F017G3SA033 | 600 | F017G4QA033 |
| 599 | F017G1HB006 | 598 | F017G2CB006 | 598 | F017G3AB006 | 600 | F017G3SB006 | 600 | F017G4QB006 |
| 599 | F017G1HB033 | 598 | F017G2CB033 | 598 | F017G3AB033 | 600 | F017G3SB033 | 600 | F017G4QB033 |
| 599 | F017G1HD006 | 598 | F017G2CD006 | 598 | F017G3AD006 | 600 | F017G3SD006 | 600 | F017G4QD006 |
| 599 | F017G1HD033 | 598 | F017G2CD033 | 598 | F017G3AD033 | 600 | F017G3SD033 | 600 | F017G4QD033 |
| 599 | F017G1JA006 | 598 | F017G2DA006 | 598 | F017G3BA006 | 600 | F017G3TA006 | 600 | F017G4RA006 |
| 599 | F017G1JA033 | 598 | F017G2DA033 | 598 | F017G3BA033 | 600 | F017G3TA033 | 600 | F017G4RA033 |
| 599 | F017G1JB006 | 598 | F017G2DB006 | 598 | F017G3BB006 | 600 | F017G3TB006 | 600 | F017G4RB006 |
| 599 | F017G1JB033 | 598 | F017G2DB033 | 598 | F017G3BB033 | 600 | F017G3TB033 | 600 | F017G4RB033 |
| 599 | F017G1JD006 | 598 | F017G2DD006 | 598 | F017G3BD006 | 600 | F017G3TD006 | 600 | F017G4RD006 |
| 599 | F017G1JD033 | 598 | F017G2DD033 | 598 | F017G3BD033 | 600 | F017G3TD033 | 600 | F017G4RD033 |
| 599 | F017G1KA006 | 599 | F017G2HA006 | 598 | F017G3CA006 | 598 | F017G4AA006 | 600 | F017G4SA006 |
| 599 | F017G1KA033 | 599 | F017G2HA033 | 598 | F017G3CA033 | 598 | F017G4AA033 | 600 | F017G4SA033 |
| 599 | F017G1KB006 | 599 | F017G2HB006 | 598 | F017G3CB006 | 598 | F017G4AB006 | 600 | F017G4SB006 |
| 599 | F017G1KB033 | 599 | F017G2HB033 | 598 | F017G3CB033 | 598 | F017G4AB033 | 600 | F017G4SB033 |
| 599 | F017G1KD006 | 599 | F017G2HD006 | 598 | F017G3CD006 | 598 | F017G4AD006 | 600 | F017G4SD006 |
| 599 | F017G1KD033 | 599 | F017G2HD033 | 598 | F017G3CD033 | 598 | F017G4AD033 | 600 | F017G4SD033 |
| 599 | F017G1LA006 | 599 | F017G2JA006 | 598 | F017G3DA006 | 598 | F017G4BA006 | 600 | F017G4TA006 |
| 599 | F017G1LA033 | 599 | F017G2JA033 | 598 | F017G3DA033 | 598 | F017G4BA033 | 600 | F017G4TA033 |
| 599 | F017G1LB006 | 599 | F017G2JB006 | 598 | F017G3DB006 | 598 | F017G4BB006 | 600 | F017G4TB006 |
| 599 | F017G1LB033 | 599 | F017G2JB033 | 598 | F017G3DB033 | 598 | F017G4BB033 | 600 | F017G4TB033 |
| 599 | F017G1LD006 | 599 | F017G2JD006 | 598 | F017G3DD006 | 598 | F017G4BD006 | 600 | F017G4TD006 |
| 599 | F017G1LD033 | 599 | F017G2JD033 | 598 | F017G3DD033 | 598 | F017G4BD033 | 600 | F017G4TD033 |
| 600 | F017G1QA006 | 599 | F017G2KA006 | 599 | F017G3HA006 | 598 | F017G4CA006 | 601 | F017H1AA006 |
| 600 | F017G1QA033 | 599 | F017G2KA033 | 599 | F017G3HA033 | 598 | F017G4CA033 | 601 | F017H1AA033 |
| 600 | F017G1QB006 | 599 | F017G2KB006 | 599 | F017G3HB006 | 598 | F017G4CB006 | 601 | F017H1AB006 |
| 600 | F017G1QB033 | 599 | F017G2KB033 | 599 | F017G3HB033 | 598 | F017G4CB033 | 601 | F017H1AB033 |
| 600 | F017G1QD006 | 599 | F017G2KD006 | 599 | F017G3HD006 | 598 | F017G4CD006 | 601 | F017H1AD006 |
| 600 | F017G1QD033 | 599 | F017G2KD033 | 599 | F017G3HD033 | 598 | F017G4CD033 | 601 | F017H1AD033 |
| 600 | F017G1RA006 | 599 | F017G2LA006 | 599 | F017G3JA006 | 598 | F017G4DA006 | 601 | F017H1BA006 |
| 600 | F017G1RA033 | 599 | F017G2LA033 | 599 | F017G3JA033 | 598 | F017G4DA033 | 601 | F017H1BA033 |
| 600 | F017G1RB006 | 599 | F017G2LB006 | 599 | F017G3JB006 | 598 | F017G4DB006 | 601 | F017H1BB006 |
| 600 | F017G1RB033 | 599 | F017G2LB033 | 599 | F017G3JB033 | 598 | F017G4DB033 | 601 | F017H1BB033 |
| 600 | F017G1RD006 | 599 | F017G2LD006 | 599 | F017G3JD006 | 598 | F017G4DD006 | 601 | F017H1BD006 |
| 600 | F017G1RD033 | 599 | F017G2LD033 | 599 | F017G3JD033 | 598 | F017G4DD033 | 601 | F017H1BD033 |
| 600 | F017G1SA006 | 600 | F017G2QA006 | 599 | F017G3KA006 | 599 | F017G4HA006 | 601 | F017H1CA006 |
| 600 | F017G1SA033 | 600 | F017G2QA033 | 599 | F017G3KA033 | 599 | F017G4HA033 | 601 | F017H1CA033 |
| 600 | F017G1SB006 | 600 | F017G2QB006 | 599 | F017G3KB006 | 599 | F017G4HB006 | 601 | F017H1CB006 |
| 600 | F017G1SB033 | 600 | F017G2QB033 | 599 | F017G3KB033 | 599 | F017G4HB033 | 601 | F017H1CB033 |
| 600 | F017G1SD006 | 600 | F017G2QD006 | 599 | F017G3KD006 | 599 | F017G4HD006 | 601 | F017H1CD006 |
| 600 | F017G1SD033 | 600 | F017G2QD033 | 599 | F017G3KD033 | 599 | F017G4HD033 | 601 | F017H1CD033 |
| 600 | F017G1TA006 | 600 | F017G2RA006 | 599 | F017G3LA006 | 599 | F017G4JA006 | 601 | F017H1DA006 |

| Page | Reference | Page | Reference | Page | Reference | Page | Reference | Page | Reference |
|---|---|---|---|---|---|---|---|---|---|
| 601 | F017H1DA033 | 601 | F017H2BA033 | 603 | F017H2TA033 | 603 | F017H3RA033 | 602 | F017H4LA033 |
| 601 | F017H1DB006 | 601 | F017H2BB006 | 603 | F017H2TB006 | 603 | F017H3RB006 | 602 | F017H4LB006 |
| 601 | F017H1DB033 | 601 | F017H2BB033 | 603 | F017H2TB033 | 603 | F017H3RB033 | 602 | F017H4LB033 |
| 601 | F017H1DD006 | 601 | F017H2BD006 | 603 | F017H2TD006 | 603 | F017H3RD006 | 602 | F017H4LD006 |
| 601 | F017H1DD033 | 601 | F017H2BD033 | 603 | F017H2TD033 | 603 | F017H3RD033 | 602 | F017H4LD033 |
| 602 | F017H1HA006 | 601 | F017H2CA006 | 601 | F017H3AA006 | 603 | F017H3SA006 | 603 | F017H4QA006 |
| 602 | F017H1HA033 | 601 | F017H2CA033 | 601 | F017H3AA033 | 603 | F017H3SA033 | 603 | F017H4QA033 |
| 602 | F017H1HB006 | 601 | F017H2CB006 | 601 | F017H3AB006 | 603 | F017H3SB006 | 603 | F017H4QB006 |
| 602 | F017H1HB033 | 601 | F017H2CB033 | 601 | F017H3AB033 | 603 | F017H3SB033 | 603 | F017H4QB033 |
| 602 | F017H1HD006 | 601 | F017H2CD006 | 601 | F017H3AD006 | 603 | F017H3SD006 | 603 | F017H4QD006 |
| 602 | F017H1HD033 | 601 | F017H2CD033 | 601 | F017H3AD033 | 603 | F017H3SD033 | 603 | F017H4QD033 |
| 602 | F017H1JA006 | 601 | F017H2DA006 | 601 | F017H3BA006 | 603 | F017H3TA006 | 603 | F017H4RA006 |
| 602 | F017H1JA033 | 601 | F017H2DA033 | 601 | F017H3BA033 | 603 | F017H3TA033 | 603 | F017H4RA033 |
| 602 | F017H1JB006 | 601 | F017H2DB006 | 601 | F017H3BB006 | 603 | F017H3TB006 | 603 | F017H4RB006 |
| 602 | F017H1JB033 | 601 | F017H2DB033 | 601 | F017H3BB033 | 603 | F017H3TB033 | 603 | F017H4RB033 |
| 602 | F017H1JD006 | 601 | F017H2DD006 | 601 | F017H3BD006 | 603 | F017H3TD006 | 603 | F017H4RD006 |
| 602 | F017H1JD033 | 601 | F017H2DD033 | 601 | F017H3BD033 | 603 | F017H3TD033 | 603 | F017H4RD033 |
| 602 | F017H1KA006 | 602 | F017H2HA006 | 601 | F017H3CA006 | 601 | F017H4AA006 | 603 | F017H4SA006 |
| 602 | F017H1KA033 | 602 | F017H2HA033 | 601 | F017H3CA033 | 601 | F017H4AA033 | 603 | F017H4SA033 |
| 602 | F017H1KB006 | 602 | F017H2HB006 | 601 | F017H3CB006 | 601 | F017H4AB006 | 603 | F017H4SB006 |
| 602 | F017H1KB033 | 602 | F017H2HB033 | 601 | F017H3CB033 | 601 | F017H4AB033 | 603 | F017H4SB033 |
| 602 | F017H1KD006 | 602 | F017H2HD006 | 601 | F017H3CD006 | 601 | F017H4AD006 | 603 | F017H4SD006 |
| 602 | F017H1KD033 | 602 | F017H2HD033 | 601 | F017H3CD033 | 601 | F017H4AD033 | 603 | F017H4SD033 |
| 602 | F017H1LA006 | 602 | F017H2JA006 | 601 | F017H3DA006 | 601 | F017H4BA006 | 603 | F017H4TA006 |
| 602 | F017H1LA033 | 602 | F017H2JA033 | 601 | F017H3DA033 | 601 | F017H4BA033 | 603 | F017H4TA033 |
| 602 | F017H1LB006 | 602 | F017H2JB006 | 601 | F017H3DB006 | 601 | F017H4BB006 | 603 | F017H4TB006 |
| 602 | F017H1LB033 | 602 | F017H2JB033 | 601 | F017H3DB033 | 601 | F017H4BB033 | 603 | F017H4TB033 |
| 602 | F017H1LD006 | 602 | F017H2JD006 | 601 | F017H3DD006 | 601 | F017H4BD006 | 603 | F017H4TD006 |
| 602 | F017H1LD033 | 602 | F017H2JD033 | 601 | F017H3DD033 | 601 | F017H4BD033 | 603 | F017H4TD033 |
| 603 | F017H1QA006 | 602 | F017H2KA006 | 602 | F017H3HA006 | 601 | F017H4CA006 | 580 | F017J1AA006 |
| 603 | F017H1QA033 | 602 | F017H2KA033 | 602 | F017H3HA033 | 601 | F017H4CA033 | 580 | F017J1AA033 |
| 603 | F017H1QB006 | 602 | F017H2KB006 | 602 | F017H3HB006 | 601 | F017H4CB006 | 580 | F017J1AB006 |
| 603 | F017H1QB033 | 602 | F017H2KB033 | 602 | F017H3HB033 | 601 | F017H4CB033 | 580 | F017J1AB033 |
| 603 | F017H1QD006 | 602 | F017H2KD006 | 602 | F017H3HD006 | 601 | F017H4CD006 | 580 | F017J1AD006 |
| 603 | F017H1QD033 | 602 | F017H2KD033 | 602 | F017H3HD033 | 601 | F017H4CD033 | 580 | F017J1AD033 |
| 603 | F017H1RA006 | 602 | F017H2LA006 | 602 | F017H3JA006 | 601 | F017H4DA006 | 580 | F017J1BA006 |
| 603 | F017H1RA033 | 602 | F017H2LA033 | 602 | F017H3JA033 | 601 | F017H4DA033 | 580 | F017J1BA033 |
| 603 | F017H1RB006 | 602 | F017H2LB006 | 602 | F017H3JB006 | 601 | F017H4DB006 | 580 | F017J1BB006 |
| 603 | F017H1RB033 | 602 | F017H2LB033 | 602 | F017H3JB033 | 601 | F017H4DB033 | 580 | F017J1BB033 |
| 603 | F017H1RD006 | 602 | F017H2LD006 | 602 | F017H3JD006 | 601 | F017H4DD006 | 580 | F017J1BD006 |
| 603 | F017H1RD033 | 602 | F017H2LD033 | 602 | F017H3JD033 | 601 | F017H4DD033 | 580 | F017J1BD033 |
| 603 | F017H1SA006 | 603 | F017H2QA006 | 602 | F017H3KA006 | 602 | F017H4HA006 | 580 | F017J1CA006 |
| 603 | F017H1SA033 | 603 | F017H2QA033 | 602 | F017H3KA033 | 602 | F017H4HA033 | 580 | F017J1CA033 |
| 603 | F017H1SB006 | 603 | F017H2QB006 | 602 | F017H3KB006 | 602 | F017H4HB006 | 580 | F017J1CB006 |
| 603 | F017H1SB033 | 603 | F017H2QB033 | 602 | F017H3KB033 | 602 | F017H4HB033 | 580 | F017J1CB033 |
| 603 | F017H1SD006 | 603 | F017H2QD006 | 602 | F017H3KD006 | 602 | F017H4HD006 | 580 | F017J1CD006 |
| 603 | F017H1SD033 | 603 | F017H2QD033 | 602 | F017H3KD033 | 602 | F017H4HD033 | 580 | F017J1CD033 |
| 603 | F017H1TA006 | 603 | F017H2RA006 | 602 | F017H3LA006 | 602 | F017H4JA006 | 580 | F017J1DA006 |
| 603 | F017H1TA033 | 603 | F017H2RA033 | 602 | F017H3LA033 | 602 | F017H4JA033 | 580 | F017J1DA033 |
| 603 | F017H1TB006 | 603 | F017H2RB006 | 602 | F017H3LB006 | 602 | F017H4JB006 | 580 | F017J1DB006 |
| 603 | F017H1TB033 | 603 | F017H2RB033 | 602 | F017H3LB033 | 602 | F017H4JB033 | 580 | F017J1DB033 |
| 603 | F017H1TD006 | 603 | F017H2RD006 | 602 | F017H3LD006 | 602 | F017H4JD006 | 580 | F017J1DD006 |
| 603 | F017H1TD033 | 603 | F017H2RD033 | 602 | F017H3LD033 | 602 | F017H4JD033 | 580 | F017J1DD033 |
| 601 | F017H2AA006 | 603 | F017H2SA006 | 603 | F017H3QA006 | 602 | F017H4KA006 | 581 | F017J1HA006 |
| 601 | F017H2AA033 | 603 | F017H2SA033 | 603 | F017H3QA033 | 602 | F017H4KA033 | 581 | F017J1HA033 |
| 601 | F017H2AB006 | 603 | F017H2SB006 | 603 | F017H3QB006 | 602 | F017H4KB006 | 581 | F017J1HB006 |
| 601 | F017H2AB033 | 603 | F017H2SB033 | 603 | F017H3QB033 | 602 | F017H4KB033 | 581 | F017J1HB033 |
| 601 | F017H2AD006 | 603 | F017H2SD006 | 603 | F017H3QD006 | 602 | F017H4KD006 | 581 | F017J1HD006 |
| 601 | F017H2AD033 | 603 | F017H2SD033 | 603 | F017H3QD033 | 602 | F017H4KD033 | 581 | F017J1HD033 |
| 601 | F017H2BA006 | 603 | F017H2TA006 | 603 | F017H3RA006 | 602 | F017H4LA006 | 581 | F017J1JA006 |

| Page | Reference | Page | Reference | Page | Reference | Page | Reference | Page | Reference |
|---|---|---|---|---|---|---|---|---|---|
| 581 | F017J1JA033 | 580 | F017J2DA033 | 580 | F017J3BA033 | 582 | F017J3TA033 | 582 | F017J4RA033 |
| 581 | F017J1JB006 | 580 | F017J2DB006 | 580 | F017J3BB006 | 582 | F017J3TB006 | 582 | F017J4RB006 |
| 581 | F017J1JB033 | 580 | F017J2DB033 | 580 | F017J3BB033 | 582 | F017J3TB033 | 582 | F017J4RB033 |
| 581 | F017J1JD006 | 580 | F017J2DD006 | 580 | F017J3BD006 | 582 | F017J3TD006 | 582 | F017J4RD006 |
| 581 | F017J1JD033 | 580 | F017J2DD033 | 580 | F017J3BD033 | 582 | F017J3TD033 | 582 | F017J4RD033 |
| 581 | F017J1KA006 | 581 | F017J2HA006 | 580 | F017J3CA006 | 580 | F017J4AA006 | 582 | F017J4SA006 |
| 581 | F017J1KA033 | 581 | F017J2HA033 | 580 | F017J3CA033 | 580 | F017J4AA033 | 582 | F017J4SA033 |
| 581 | F017J1KB006 | 581 | F017J2HB006 | 580 | F017J3CB006 | 580 | F017J4AB006 | 582 | F017J4SB006 |
| 581 | F017J1KB033 | 581 | F017J2HB033 | 580 | F017J3CB033 | 580 | F017J4AB033 | 582 | F017J4SB033 |
| 581 | F017J1KD006 | 581 | F017J2HD006 | 580 | F017J3CD006 | 580 | F017J4AD006 | 582 | F017J4SD006 |
| 581 | F017J1KD033 | 581 | F017J2HD033 | 580 | F017J3CD033 | 580 | F017J4AD033 | 582 | F017J4SD033 |
| 581 | F017J1LA006 | 581 | F017J2JA006 | 580 | F017J3DA006 | 580 | F017J4BA006 | 582 | F017J4TA006 |
| 581 | F017J1LA033 | 581 | F017J2JA033 | 580 | F017J3DA033 | 580 | F017J4BA033 | 582 | F017J4TA033 |
| 581 | F017J1LB006 | 581 | F017J2JB006 | 580 | F017J3DB006 | 580 | F017J4BB006 | 582 | F017J4TB006 |
| 581 | F017J1LB033 | 581 | F017J2JB033 | 580 | F017J3DB033 | 580 | F017J4BB033 | 582 | F017J4TB033 |
| 581 | F017J1LD006 | 581 | F017J2JD006 | 580 | F017J3DD006 | 580 | F017J4BD006 | 582 | F017J4TD006 |
| 581 | F017J1LD033 | 581 | F017J2JD033 | 580 | F017J3DD033 | 580 | F017J4BD033 | 582 | F017J4TD033 |
| 582 | F017J1QA006 | 581 | F017J2KA006 | 581 | F017J3HA006 | 580 | F017J4CA006 | 583 | F017K1AA006 |
| 582 | F017J1QA033 | 581 | F017J2KA033 | 581 | F017J3HA033 | 580 | F017J4CA033 | 583 | F017K1AA033 |
| 582 | F017J1QB006 | 581 | F017J2KB006 | 581 | F017J3HB006 | 580 | F017J4CB006 | 583 | F017K1AB006 |
| 582 | F017J1QB033 | 581 | F017J2KB033 | 581 | F017J3HB033 | 580 | F017J4CB033 | 583 | F017K1AB033 |
| 582 | F017J1QD006 | 581 | F017J2KD006 | 581 | F017J3HD006 | 580 | F017J4CD006 | 583 | F017K1AD006 |
| 582 | F017J1QD033 | 581 | F017J2KD033 | 581 | F017J3HD033 | 580 | F017J4CD033 | 583 | F017K1AD033 |
| 582 | F017J1RA006 | 581 | F017J2LA006 | 581 | F017J3JA006 | 580 | F017J4DA006 | 583 | F017K1BA006 |
| 582 | F017J1RA033 | 581 | F017J2LA033 | 581 | F017J3JA033 | 580 | F017J4DA033 | 583 | F017K1BA033 |
| 582 | F017J1RB006 | 581 | F017J2LB006 | 581 | F017J3JB006 | 580 | F017J4DB006 | 583 | F017K1BB006 |
| 582 | F017J1RB033 | 581 | F017J2LB033 | 581 | F017J3JB033 | 580 | F017J4DB033 | 583 | F017K1BB033 |
| 582 | F017J1RD006 | 581 | F017J2LD006 | 581 | F017J3JD006 | 580 | F017J4DD006 | 583 | F017K1BD006 |
| 582 | F017J1RD033 | 581 | F017J2LD033 | 581 | F017J3JD033 | 580 | F017J4DD033 | 583 | F017K1BD033 |
| 582 | F017J1SA006 | 582 | F017J2QA006 | 581 | F017J3KA006 | 581 | F017J4HA006 | 583 | F017K1CA006 |
| 582 | F017J1SA033 | 582 | F017J2QA033 | 581 | F017J3KA033 | 581 | F017J4HA033 | 583 | F017K1CA033 |
| 582 | F017J1SB006 | 582 | F017J2QB006 | 581 | F017J3KB006 | 581 | F017J4HB006 | 583 | F017K1CB006 |
| 582 | F017J1SB033 | 582 | F017J2QB033 | 581 | F017J3KB033 | 581 | F017J4HB033 | 583 | F017K1CB033 |
| 582 | F017J1SD006 | 582 | F017J2QD006 | 581 | F017J3KD006 | 581 | F017J4HD006 | 583 | F017K1CD006 |
| 582 | F017J1SD033 | 582 | F017J2QD033 | 581 | F017J3KD033 | 581 | F017J4HD033 | 583 | F017K1CD033 |
| 582 | F017J1TA006 | 582 | F017J2RA006 | 581 | F017J3LA006 | 581 | F017J4JA006 | 583 | F017K1DA006 |
| 582 | F017J1TA033 | 582 | F017J2RA033 | 581 | F017J3LA033 | 581 | F017J4JA033 | 583 | F017K1DA033 |
| 582 | F017J1TB006 | 582 | F017J2RB006 | 581 | F017J3LB006 | 581 | F017J4JB006 | 583 | F017K1DB006 |
| 582 | F017J1TB033 | 582 | F017J2RB033 | 581 | F017J3LB033 | 581 | F017J4JB033 | 583 | F017K1DB033 |
| 582 | F017J1TD006 | 582 | F017J2RD006 | 581 | F017J3LD006 | 581 | F017J4JD006 | 583 | F017K1DD006 |
| 582 | F017J1TD033 | 582 | F017J2RD033 | 581 | F017J3LD033 | 581 | F017J4JD033 | 583 | F017K1DD033 |
| 580 | F017J2AA006 | 582 | F017J2SA006 | 582 | F017J3QA006 | 581 | F017J4KA006 | 584 | F017K1HA006 |
| 580 | F017J2AA033 | 582 | F017J2SA033 | 582 | F017J3QA033 | 581 | F017J4KA033 | 584 | F017K1HA033 |
| 580 | F017J2AB006 | 582 | F017J2SB006 | 582 | F017J3QB006 | 581 | F017J4KB006 | 584 | F017K1HB006 |
| 580 | F017J2AB033 | 582 | F017J2SB033 | 582 | F017J3QB033 | 581 | F017J4KB033 | 584 | F017K1HB033 |
| 580 | F017J2AD006 | 582 | F017J2SD006 | 582 | F017J3QD006 | 581 | F017J4KD006 | 584 | F017K1HD006 |
| 580 | F017J2AD033 | 582 | F017J2SD033 | 582 | F017J3QD033 | 581 | F017J4KD033 | 584 | F017K1HD033 |
| 580 | F017J2BA006 | 582 | F017J2TA006 | 582 | F017J3RA006 | 581 | F017J4LA006 | 584 | F017K1JA006 |
| 580 | F017J2BA033 | 582 | F017J2TA033 | 582 | F017J3RA033 | 581 | F017J4LA033 | 584 | F017K1JA033 |
| 580 | F017J2BB006 | 582 | F017J2TB006 | 582 | F017J3RB006 | 581 | F017J4LB006 | 584 | F017K1JB006 |
| 580 | F017J2BB033 | 582 | F017J2TB033 | 582 | F017J3RB033 | 581 | F017J4LB033 | 584 | F017K1JB033 |
| 580 | F017J2BD006 | 582 | F017J2TD006 | 582 | F017J3RD006 | 581 | F017J4LD006 | 584 | F017K1JD006 |
| 580 | F017J2BD033 | 582 | F017J2TD033 | 582 | F017J3RD033 | 581 | F017J4LD033 | 584 | F017K1JD033 |
| 580 | F017J2CA006 | 580 | F017J3AA006 | 582 | F017J3SA006 | 582 | F017J4QA006 | 584 | F017K1KA006 |
| 580 | F017J2CA033 | 580 | F017J3AA033 | 582 | F017J3SA033 | 582 | F017J4QA033 | 584 | F017K1KA033 |
| 580 | F017J2CB006 | 580 | F017J3AB006 | 582 | F017J3SB006 | 582 | F017J4QB006 | 584 | F017K1KB006 |
| 580 | F017J2CB033 | 580 | F017J3AB033 | 582 | F017J3SB033 | 582 | F017J4QB033 | 584 | F017K1KB033 |
| 580 | F017J2CD006 | 580 | F017J3AD006 | 582 | F017J3SD006 | 582 | F017J4QD006 | 584 | F017K1KD006 |
| 580 | F017J2CD033 | 580 | F017J3AD033 | 582 | F017J3SD033 | 582 | F017J4QD033 | 584 | F017K1KD033 |
| 580 | F017J2DA006 | 580 | F017J3BA006 | 582 | F017J3TA006 | 582 | F017J4RA006 | 584 | F017K1LA006 |

| Page | Reference | Page | Reference | Page | Reference | Page | Reference | Page | Reference |
|---|---|---|---|---|---|---|---|---|---|
| 584 | F017K1LA033 | 584 | F017K2JA033 | 583 | F017K3DA033 | 583 | F017K4BA033 | 585 | F017K4TA033 |
| 584 | F017K1LB006 | 584 | F017K2JB006 | 583 | F017K3DB006 | 583 | F017K4BB006 | 585 | F017K4TB006 |
| 584 | F017K1LB033 | 584 | F017K2JB033 | 583 | F017K3DB033 | 583 | F017K4BB033 | 585 | F017K4TB033 |
| 584 | F017K1LD006 | 584 | F017K2JD006 | 583 | F017K3DD006 | 583 | F017K4BD006 | 585 | F017K4TD006 |
| 584 | F017K1LD033 | 584 | F017K2JD033 | 583 | F017K3DD033 | 583 | F017K4BD033 | 585 | F017K4TD033 |
| 585 | F017K1QA006 | 584 | F017K2KA006 | 584 | F017K3HA006 | 583 | F017K4CA006 | 586 | F017L1AA006 |
| 585 | F017K1QA033 | 584 | F017K2KA033 | 584 | F017K3HA033 | 583 | F017K4CA033 | 586 | F017L1AA033 |
| 585 | F017K1QB006 | 584 | F017K2KB006 | 584 | F017K3HB006 | 583 | F017K4CB006 | 586 | F017L1AB006 |
| 585 | F017K1QB033 | 584 | F017K2KB033 | 584 | F017K3HB033 | 583 | F017K4CB033 | 586 | F017L1AB033 |
| 585 | F017K1QD006 | 584 | F017K2KD006 | 584 | F017K3HD006 | 583 | F017K4CD006 | 586 | F017L1AD006 |
| 585 | F017K1QD033 | 584 | F017K2KD033 | 584 | F017K3HD033 | 583 | F017K4CD033 | 586 | F017L1AD033 |
| 585 | F017K1RA006 | 584 | F017K2LA006 | 584 | F017K3JA006 | 583 | F017K4DA006 | 586 | F017L1BA006 |
| 585 | F017K1RA033 | 584 | F017K2LA033 | 584 | F017K3JA033 | 583 | F017K4DA033 | 586 | F017L1BA033 |
| 585 | F017K1RB006 | 584 | F017K2LB006 | 584 | F017K3JB006 | 583 | F017K4DB006 | 586 | F017L1BB006 |
| 585 | F017K1RB033 | 584 | F017K2LB033 | 584 | F017K3JB033 | 583 | F017K4DB033 | 586 | F017L1BB033 |
| 585 | F017K1RD006 | 584 | F017K2LD006 | 584 | F017K3JD006 | 583 | F017K4DD006 | 586 | F017L1BD006 |
| 585 | F017K1RD033 | 584 | F017K2LD033 | 584 | F017K3JD033 | 583 | F017K4DD033 | 586 | F017L1BD033 |
| 585 | F017K1SA006 | 585 | F017K2QA006 | 584 | F017K3KA006 | 584 | F017K4HA006 | 586 | F017L1CA006 |
| 585 | F017K1SA033 | 585 | F017K2QA033 | 584 | F017K3KA033 | 584 | F017K4HA033 | 586 | F017L1CA033 |
| 585 | F017K1SB006 | 585 | F017K2QB006 | 584 | F017K3KB006 | 584 | F017K4HB006 | 586 | F017L1CB006 |
| 585 | F017K1SB033 | 585 | F017K2QB033 | 584 | F017K3KB033 | 584 | F017K4HB033 | 586 | F017L1CB033 |
| 585 | F017K1SD006 | 585 | F017K2QD006 | 584 | F017K3KD006 | 584 | F017K4HD006 | 586 | F017L1CD006 |
| 585 | F017K1SD033 | 585 | F017K2QD033 | 584 | F017K3KD033 | 584 | F017K4HD033 | 586 | F017L1CD033 |
| 585 | F017K1TA006 | 585 | F017K2RA006 | 584 | F017K3LA006 | 584 | F017K4JA006 | 586 | F017L1DA006 |
| 585 | F017K1TA033 | 585 | F017K2RA033 | 584 | F017K3LA033 | 584 | F017K4JA033 | 586 | F017L1DA033 |
| 585 | F017K1TB006 | 585 | F017K2RB006 | 584 | F017K3LB006 | 584 | F017K4JB006 | 586 | F017L1DB006 |
| 585 | F017K1TB033 | 585 | F017K2RB033 | 584 | F017K3LB033 | 584 | F017K4JB033 | 586 | F017L1DB033 |
| 585 | F017K1TD006 | 585 | F017K2RD006 | 584 | F017K3LD006 | 584 | F017K4JD006 | 586 | F017L1DD006 |
| 585 | F017K1TD033 | 585 | F017K2RD033 | 584 | F017K3LD033 | 584 | F017K4JD033 | 586 | F017L1DD033 |
| 583 | F017K2AA006 | 585 | F017K2SA006 | 585 | F017K3QA006 | 584 | F017K4KA006 | 587 | F017L1HA006 |
| 583 | F017K2AA033 | 585 | F017K2SA033 | 585 | F017K3QA033 | 584 | F017K4KA033 | 587 | F017L1HA033 |
| 583 | F017K2AB006 | 585 | F017K2SB006 | 585 | F017K3QB006 | 584 | F017K4KB006 | 587 | F017L1HB006 |
| 583 | F017K2AB033 | 585 | F017K2SB033 | 585 | F017K3QB033 | 584 | F017K4KB033 | 587 | F017L1HB033 |
| 583 | F017K2AD006 | 585 | F017K2SD006 | 585 | F017K3QD006 | 584 | F017K4KD006 | 587 | F017L1HD006 |
| 583 | F017K2AD033 | 585 | F017K2SD033 | 585 | F017K3QD033 | 584 | F017K4KD033 | 587 | F017L1HD033 |
| 583 | F017K2BA006 | 585 | F017K2TA006 | 585 | F017K3RA006 | 584 | F017K4LA006 | 587 | F017L1JA006 |
| 583 | F017K2BA033 | 585 | F017K2TA033 | 585 | F017K3RA033 | 584 | F017K4LA033 | 587 | F017L1JA033 |
| 583 | F017K2BB006 | 585 | F017K2TB006 | 585 | F017K3RB006 | 584 | F017K4LB006 | 587 | F017L1JB006 |
| 583 | F017K2BB033 | 585 | F017K2TB033 | 585 | F017K3RB033 | 584 | F017K4LB033 | 587 | F017L1JB033 |
| 583 | F017K2BD006 | 585 | F017K2TD006 | 585 | F017K3RD006 | 584 | F017K4LD006 | 587 | F017L1JD006 |
| 583 | F017K2BD033 | 585 | F017K2TD033 | 585 | F017K3RD033 | 584 | F017K4LD033 | 587 | F017L1JD033 |
| 583 | F017K2CA006 | 583 | F017K3AA006 | 585 | F017K3SA006 | 585 | F017K4QA006 | 587 | F017L1KA006 |
| 583 | F017K2CA033 | 583 | F017K3AA033 | 585 | F017K3SA033 | 585 | F017K4QA033 | 587 | F017L1KA033 |
| 583 | F017K2CB006 | 583 | F017K3AB006 | 585 | F017K3SB006 | 585 | F017K4QB006 | 587 | F017L1KB006 |
| 583 | F017K2CB033 | 583 | F017K3AB033 | 585 | F017K3SB033 | 585 | F017K4QB033 | 587 | F017L1KB033 |
| 583 | F017K2CD006 | 583 | F017K3AD006 | 585 | F017K3SD006 | 585 | F017K4QD006 | 587 | F017L1KD006 |
| 583 | F017K2CD033 | 583 | F017K3AD033 | 585 | F017K3SD033 | 585 | F017K4QD033 | 587 | F017L1KD033 |
| 583 | F017K2DA006 | 583 | F017K3BA006 | 585 | F017K3TA006 | 585 | F017K4RA006 | 587 | F017L1LA006 |
| 583 | F017K2DA033 | 583 | F017K3BA033 | 585 | F017K3TA033 | 585 | F017K4RA033 | 587 | F017L1LA033 |
| 583 | F017K2DB006 | 583 | F017K3BB006 | 585 | F017K3TB006 | 585 | F017K4RB006 | 587 | F017L1LB006 |
| 583 | F017K2DB033 | 583 | F017K3BB033 | 585 | F017K3TB033 | 585 | F017K4RB033 | 587 | F017L1LB033 |
| 583 | F017K2DD006 | 583 | F017K3BD006 | 585 | F017K3TD006 | 585 | F017K4RD006 | 587 | F017L1LD006 |
| 583 | F017K2DD033 | 583 | F017K3BD033 | 585 | F017K3TD033 | 585 | F017K4RD033 | 587 | F017L1LD033 |
| 584 | F017K2HA006 | 583 | F017K3CA006 | 583 | F017K4AA006 | 585 | F017K4SA006 | 588 | F017L1QA006 |
| 584 | F017K2HA033 | 583 | F017K3CA033 | 583 | F017K4AA033 | 585 | F017K4SA033 | 588 | F017L1QA033 |
| 584 | F017K2HB006 | 583 | F017K3CB006 | 583 | F017K4AB006 | 585 | F017K4SB006 | 588 | F017L1QB006 |
| 584 | F017K2HB033 | 583 | F017K3CB033 | 583 | F017K4AB033 | 585 | F017K4SB033 | 588 | F017L1QB033 |
| 584 | F017K2HD006 | 583 | F017K3CD006 | 583 | F017K4AD006 | 585 | F017K4SD006 | 588 | F017L1QD006 |
| 584 | F017K2HD033 | 583 | F017K3CD033 | 583 | F017K4AD033 | 585 | F017K4SD033 | 588 | F017L1QD033 |
| 584 | F017K2JA006 | 583 | F017K3DA006 | 583 | F017K4BA006 | 585 | F017K4TA006 | 588 | F017L1RA006 |

| Page | Reference | Page | Reference | Page | Reference | Page | Reference | Page | Reference |
|---|---|---|---|---|---|---|---|---|---|
| 588 | F017L1RA033 | 587 | F017L2LA033 | 587 | F017L3JA033 | 586 | F017L4DA033 | 589 | F017M1BA033 |
| 588 | F017L1RB006 | 587 | F017L2LB006 | 587 | F017L3JB006 | 586 | F017L4DB006 | 589 | F017M1BB006 |
| 588 | F017L1RB033 | 587 | F017L2LB033 | 587 | F017L3JB033 | 586 | F017L4DB033 | 589 | F017M1BB033 |
| 588 | F017L1RD006 | 587 | F017L2LD006 | 587 | F017L3JD006 | 586 | F017L4DD006 | 589 | F017M1BD006 |
| 588 | F017L1RD033 | 587 | F017L2LD033 | 587 | F017L3JD033 | 586 | F017L4DD033 | 589 | F017M1BD033 |
| 588 | F017L1SA006 | 588 | F017L2QA006 | 587 | F017L3KA006 | 587 | F017L4HA006 | 589 | F017M1CA006 |
| 588 | F017L1SA033 | 588 | F017L2QA033 | 587 | F017L3KA033 | 587 | F017L4HA033 | 589 | F017M1CA033 |
| 588 | F017L1SB006 | 588 | F017L2QB006 | 587 | F017L3KB006 | 587 | F017L4HB006 | 589 | F017M1CB006 |
| 588 | F017L1SB033 | 588 | F017L2QB033 | 587 | F017L3KB033 | 587 | F017L4HB033 | 589 | F017M1CB033 |
| 588 | F017L1SD006 | 588 | F017L2QD006 | 587 | F017L3KD006 | 587 | F017L4HD006 | 589 | F017M1CD006 |
| 588 | F017L1SD033 | 588 | F017L2QD033 | 587 | F017L3KD033 | 587 | F017L4HD033 | 589 | F017M1CD033 |
| 588 | F017L1TA006 | 588 | F017L2RA006 | 587 | F017L3LA006 | 587 | F017L4JA006 | 589 | F017M1DA006 |
| 588 | F017L1TA033 | 588 | F017L2RA033 | 587 | F017L3LA033 | 587 | F017L4JA033 | 589 | F017M1DA033 |
| 588 | F017L1TB006 | 588 | F017L2RB006 | 587 | F017L3LB006 | 587 | F017L4JB006 | 589 | F017M1DB006 |
| 588 | F017L1TB033 | 588 | F017L2RB033 | 587 | F017L3LB033 | 587 | F017L4JB033 | 589 | F017M1DB033 |
| 588 | F017L1TD006 | 588 | F017L2RD006 | 587 | F017L3LD006 | 587 | F017L4JD006 | 589 | F017M1DD006 |
| 588 | F017L1TD033 | 588 | F017L2RD033 | 587 | F017L3LD033 | 587 | F017L4JD033 | 589 | F017M1DD033 |
| 586 | F017L2AA006 | 588 | F017L2SA006 | 588 | F017L3QA006 | 587 | F017L4KA006 | 590 | F017M1HA006 |
| 586 | F017L2AA033 | 588 | F017L2SA033 | 588 | F017L3QA033 | 587 | F017L4KA033 | 590 | F017M1HA033 |
| 586 | F017L2AB006 | 588 | F017L2SB006 | 588 | F017L3QB006 | 587 | F017L4KB006 | 590 | F017M1HB006 |
| 586 | F017L2AB033 | 588 | F017L2SB033 | 588 | F017L3QB033 | 587 | F017L4KB033 | 590 | F017M1HB033 |
| 586 | F017L2AD006 | 588 | F017L2SD006 | 588 | F017L3QD006 | 587 | F017L4KD006 | 590 | F017M1HD006 |
| 586 | F017L2AD033 | 588 | F017L2SD033 | 588 | F017L3QD033 | 587 | F017L4KD033 | 590 | F017M1HD033 |
| 586 | F017L2BA006 | 588 | F017L2TA006 | 588 | F017L3RA006 | 587 | F017L4LA006 | 590 | F017M1JA006 |
| 586 | F017L2BA033 | 588 | F017L2TA033 | 588 | F017L3RA033 | 587 | F017L4LA033 | 590 | F017M1JA033 |
| 586 | F017L2BB006 | 588 | F017L2TB006 | 588 | F017L3RB006 | 587 | F017L4LB006 | 590 | F017M1JB006 |
| 586 | F017L2BB033 | 588 | F017L2TB033 | 588 | F017L3RB033 | 587 | F017L4LB033 | 590 | F017M1JB033 |
| 586 | F017L2BD006 | 588 | F017L2TD006 | 588 | F017L3RD006 | 587 | F017L4LD006 | 590 | F017M1JD006 |
| 586 | F017L2BD033 | 588 | F017L2TD033 | 588 | F017L3RD033 | 587 | F017L4LD033 | 590 | F017M1JD033 |
| 586 | F017L2CA006 | 586 | F017L3AA006 | 588 | F017L3SA006 | 588 | F017L4QA006 | 590 | F017M1KA006 |
| 586 | F017L2CA033 | 586 | F017L3AA033 | 588 | F017L3SA033 | 588 | F017L4QA033 | 590 | F017M1KA033 |
| 586 | F017L2CB006 | 586 | F017L3AB006 | 588 | F017L3SB006 | 588 | F017L4QB006 | 590 | F017M1KB006 |
| 586 | F017L2CB033 | 586 | F017L3AB033 | 588 | F017L3SB033 | 588 | F017L4QB033 | 590 | F017M1KB033 |
| 586 | F017L2CD006 | 586 | F017L3AD006 | 588 | F017L3SD006 | 588 | F017L4QD006 | 590 | F017M1KD006 |
| 586 | F017L2CD033 | 586 | F017L3AD033 | 588 | F017L3SD033 | 588 | F017L4QD033 | 590 | F017M1KD033 |
| 586 | F017L2DA006 | 586 | F017L3BA006 | 588 | F017L3TA006 | 588 | F017L4RA006 | 590 | F017M1LA006 |
| 586 | F017L2DA033 | 586 | F017L3BA033 | 588 | F017L3TA033 | 588 | F017L4RA033 | 590 | F017M1LA033 |
| 586 | F017L2DB006 | 586 | F017L3BB006 | 588 | F017L3TB006 | 588 | F017L4RB006 | 590 | F017M1LB006 |
| 586 | F017L2DB033 | 586 | F017L3BB033 | 588 | F017L3TB033 | 588 | F017L4RB033 | 590 | F017M1LB033 |
| 586 | F017L2DD006 | 586 | F017L3BD006 | 588 | F017L3TD006 | 588 | F017L4RD006 | 590 | F017M1LD006 |
| 586 | F017L2DD033 | 586 | F017L3BD033 | 588 | F017L3TD033 | 588 | F017L4RD033 | 590 | F017M1LD033 |
| 587 | F017L2HA006 | 586 | F017L3CA006 | 586 | F017L4AA006 | 588 | F017L4SA006 | 591 | F017M1QA006 |
| 587 | F017L2HA033 | 586 | F017L3CA033 | 586 | F017L4AA033 | 588 | F017L4SA033 | 591 | F017M1QA033 |
| 587 | F017L2HB006 | 586 | F017L3CB006 | 586 | F017L4AB006 | 588 | F017L4SB006 | 591 | F017M1QB006 |
| 587 | F017L2HB033 | 586 | F017L3CB033 | 586 | F017L4AB033 | 588 | F017L4SB033 | 591 | F017M1QB033 |
| 587 | F017L2HD006 | 586 | F017L3CD006 | 586 | F017L4AD006 | 588 | F017L4SD006 | 591 | F017M1QD006 |
| 587 | F017L2HD033 | 586 | F017L3CD033 | 586 | F017L4AD033 | 588 | F017L4SD033 | 591 | F017M1QD033 |
| 587 | F017L2JA006 | 586 | F017L3DA006 | 586 | F017L4BA006 | 588 | F017L4TA006 | 591 | F017M1RA006 |
| 587 | F017L2JA033 | 586 | F017L3DA033 | 586 | F017L4BA033 | 588 | F017L4TA033 | 591 | F017M1RA033 |
| 587 | F017L2JB006 | 586 | F017L3DB006 | 586 | F017L4BB006 | 588 | F017L4TB006 | 591 | F017M1RB006 |
| 587 | F017L2JB033 | 586 | F017L3DB033 | 586 | F017L4BB033 | 588 | F017L4TB033 | 591 | F017M1RB033 |
| 587 | F017L2JD006 | 586 | F017L3DD006 | 586 | F017L4BD006 | 588 | F017L4TD006 | 591 | F017M1RD006 |
| 587 | F017L2JD033 | 586 | F017L3DD033 | 586 | F017L4BD033 | 588 | F017L4TD033 | 591 | F017M1RD033 |
| 587 | F017L2KA006 | 587 | F017L3HA006 | 586 | F017L4CA006 | 589 | F017M1AA006 | 591 | F017M1SA006 |
| 587 | F017L2KA033 | 587 | F017L3HA033 | 586 | F017L4CA033 | 589 | F017M1AA033 | 591 | F017M1SA033 |
| 587 | F017L2KB006 | 587 | F017L3HB006 | 586 | F017L4CB006 | 589 | F017M1AB006 | 591 | F017M1SB006 |
| 587 | F017L2KB033 | 587 | F017L3HB033 | 586 | F017L4CB033 | 589 | F017M1AB033 | 591 | F017M1SB033 |
| 587 | F017L2KD006 | 587 | F017L3HD006 | 586 | F017L4CD006 | 589 | F017M1AD006 | 591 | F017M1SD006 |
| 587 | F017L2KD033 | 587 | F017L3HD033 | 586 | F017L4CD033 | 589 | F017M1AD033 | 591 | F017M1SD033 |
| 587 | F017L2LA006 | 587 | F017L3JA006 | 586 | F017L4DA006 | 589 | F017M1BA006 | 591 | F017M1TA006 |

| Page | Reference | Page | Reference | Page | Reference | Page | Reference | Page | Reference |
|---|---|---|---|---|---|---|---|---|---|
| 591 | F017M1TA033 | 591 | F017M2RA033 | 590 | F017M3LA033 | 590 | F017M4JA033 | 604 | F017N1DA033 |
| 591 | F017M1TB006 | 591 | F017M2RB006 | 590 | F017M3LB006 | 590 | F017M4JB006 | 604 | F017N1DB006 |
| 591 | F017M1TB033 | 591 | F017M2RB033 | 590 | F017M3LB033 | 590 | F017M4JB033 | 604 | F017N1DB033 |
| 591 | F017M1TD006 | 591 | F017M2RD006 | 590 | F017M3LD006 | 590 | F017M4JD006 | 604 | F017N1DD006 |
| 591 | F017M1TD033 | 591 | F017M2RD033 | 590 | F017M3LD033 | 590 | F017M4JD033 | 604 | F017N1DD033 |
| 589 | F017M2AA006 | 591 | F017M2SA006 | 591 | F017M3QA006 | 590 | F017M4KA006 | 605 | F017N1HA006 |
| 589 | F017M2AA033 | 591 | F017M2SA033 | 591 | F017M3QA033 | 590 | F017M4KA033 | 605 | F017N1HA033 |
| 589 | F017M2AB006 | 591 | F017M2SB006 | 591 | F017M3QB006 | 590 | F017M4KB006 | 605 | F017N1HB006 |
| 589 | F017M2AB033 | 591 | F017M2SB033 | 591 | F017M3QB033 | 590 | F017M4KB033 | 605 | F017N1HB033 |
| 589 | F017M2AD006 | 591 | F017M2SD006 | 591 | F017M3QD006 | 590 | F017M4KD006 | 605 | F017N1HD006 |
| 589 | F017M2AD033 | 591 | F017M2SD033 | 591 | F017M3QD033 | 590 | F017M4KD033 | 605 | F017N1HD033 |
| 589 | F017M2BA006 | 591 | F017M2TA006 | 591 | F017M3RA006 | 590 | F017M4LA006 | 605 | F017N1JA006 |
| 589 | F017M2BA033 | 591 | F017M2TA033 | 591 | F017M3RA033 | 590 | F017M4LA033 | 605 | F017N1JA033 |
| 589 | F017M2BB006 | 591 | F017M2TB006 | 591 | F017M3RB006 | 590 | F017M4LB006 | 605 | F017N1JB006 |
| 589 | F017M2BB033 | 591 | F017M2TB033 | 591 | F017M3RB033 | 590 | F017M4LB033 | 605 | F017N1JB033 |
| 589 | F017M2BD006 | 591 | F017M2TD006 | 591 | F017M3RD006 | 590 | F017M4LD006 | 605 | F017N1JD006 |
| 589 | F017M2BD033 | 591 | F017M2TD033 | 591 | F017M3RD033 | 590 | F017M4LD033 | 605 | F017N1JD033 |
| 589 | F017M2CA006 | 589 | F017M3AA006 | 591 | F017M3SA006 | 591 | F017M4QA006 | 605 | F017N1KA006 |
| 589 | F017M2CA033 | 589 | F017M3AA033 | 591 | F017M3SA033 | 591 | F017M4QA033 | 605 | F017N1KA033 |
| 589 | F017M2CB006 | 589 | F017M3AB006 | 591 | F017M3SB006 | 591 | F017M4QB006 | 605 | F017N1KB006 |
| 589 | F017M2CB033 | 589 | F017M3AB033 | 591 | F017M3SB033 | 591 | F017M4QB033 | 605 | F017N1KB033 |
| 589 | F017M2CD006 | 589 | F017M3AD006 | 591 | F017M3SD006 | 591 | F017M4QD006 | 605 | F017N1KD006 |
| 589 | F017M2CD033 | 589 | F017M3AD033 | 591 | F017M3SD033 | 591 | F017M4QD033 | 605 | F017N1KD033 |
| 589 | F017M2DA006 | 589 | F017M3BA006 | 591 | F017M3TA006 | 591 | F017M4RA006 | 605 | F017N1LA006 |
| 589 | F017M2DA033 | 589 | F017M3BA033 | 591 | F017M3TA033 | 591 | F017M4RA033 | 605 | F017N1LA033 |
| 589 | F017M2DB006 | 589 | F017M3BB006 | 591 | F017M3TB006 | 591 | F017M4RB006 | 605 | F017N1LB006 |
| 589 | F017M2DB033 | 589 | F017M3BB033 | 591 | F017M3TB033 | 591 | F017M4RB033 | 605 | F017N1LB033 |
| 589 | F017M2DD006 | 589 | F017M3BD006 | 591 | F017M3TD006 | 591 | F017M4RD006 | 605 | F017N1LD006 |
| 589 | F017M2DD033 | 589 | F017M3BD033 | 591 | F017M3TD033 | 591 | F017M4RD033 | 605 | F017N1LD033 |
| 590 | F017M2HA006 | 589 | F017M3CA006 | 589 | F017M4AA006 | 591 | F017M4SA006 | 606 | F017N1QA006 |
| 590 | F017M2HA033 | 589 | F017M3CA033 | 589 | F017M4AA033 | 591 | F017M4SA033 | 606 | F017N1QA033 |
| 590 | F017M2HB006 | 589 | F017M3CB006 | 589 | F017M4AB006 | 591 | F017M4SB006 | 606 | F017N1QB006 |
| 590 | F017M2HB033 | 589 | F017M3CB033 | 589 | F017M4AB033 | 591 | F017M4SB033 | 606 | F017N1QB033 |
| 590 | F017M2HD006 | 589 | F017M3CD006 | 589 | F017M4AD006 | 591 | F017M4SD006 | 606 | F017N1QD006 |
| 590 | F017M2HD033 | 589 | F017M3CD033 | 589 | F017M4AD033 | 591 | F017M4SD033 | 606 | F017N1QD033 |
| 590 | F017M2JA006 | 589 | F017M3DA006 | 589 | F017M4BA006 | 591 | F017M4TA006 | 606 | F017N1RA006 |
| 590 | F017M2JA033 | 589 | F017M3DA033 | 589 | F017M4BA033 | 591 | F017M4TA033 | 606 | F017N1RA033 |
| 590 | F017M2JB006 | 589 | F017M3DB006 | 589 | F017M4BB006 | 591 | F017M4TB006 | 606 | F017N1RB006 |
| 590 | F017M2JB033 | 589 | F017M3DB033 | 589 | F017M4BB033 | 591 | F017M4TB033 | 606 | F017N1RB033 |
| 590 | F017M2JD006 | 589 | F017M3DD006 | 589 | F017M4BD006 | 591 | F017M4TD006 | 606 | F017N1RD006 |
| 590 | F017M2JD033 | 589 | F017M3DD033 | 589 | F017M4BD033 | 591 | F017M4TD033 | 606 | F017N1RD033 |
| 590 | F017M2KA006 | 590 | F017M3HA006 | 589 | F017M4CA006 | 604 | F017N1AA006 | 606 | F017N1SA006 |
| 590 | F017M2KA033 | 590 | F017M3HA033 | 589 | F017M4CA033 | 604 | F017N1AA033 | 606 | F017N1SA033 |
| 590 | F017M2KB006 | 590 | F017M3HB006 | 589 | F017M4CB006 | 604 | F017N1AB006 | 606 | F017N1SB006 |
| 590 | F017M2KB033 | 590 | F017M3HB033 | 589 | F017M4CB033 | 604 | F017N1AB033 | 606 | F017N1SB033 |
| 590 | F017M2KD006 | 590 | F017M3HD006 | 589 | F017M4CD006 | 604 | F017N1AD006 | 606 | F017N1SD006 |
| 590 | F017M2KD033 | 590 | F017M3HD033 | 589 | F017M4CD033 | 604 | F017N1AD033 | 606 | F017N1SD033 |
| 590 | F017M2LA006 | 590 | F017M3JA006 | 589 | F017M4DA006 | 604 | F017N1BA006 | 606 | F017N1TA006 |
| 590 | F017M2LA033 | 590 | F017M3JA033 | 589 | F017M4DA033 | 604 | F017N1BA033 | 606 | F017N1TA033 |
| 590 | F017M2LB006 | 590 | F017M3JB006 | 589 | F017M4DB006 | 604 | F017N1BB006 | 606 | F017N1TB006 |
| 590 | F017M2LB033 | 590 | F017M3JB033 | 589 | F017M4DB033 | 604 | F017N1BB033 | 606 | F017N1TB033 |
| 590 | F017M2LD006 | 590 | F017M3JD006 | 589 | F017M4DD006 | 604 | F017N1BD006 | 606 | F017N1TD006 |
| 590 | F017M2LD033 | 590 | F017M3JD033 | 589 | F017M4DD033 | 604 | F017N1BD033 | 606 | F017N1TD033 |
| 591 | F017M2QA006 | 590 | F017M3KA006 | 590 | F017M4HA006 | 604 | F017N1CA006 | 604 | F017N2AA006 |
| 591 | F017M2QA033 | 590 | F017M3KA033 | 590 | F017M4HA033 | 604 | F017N1CA033 | 604 | F017N2AA033 |
| 591 | F017M2QB006 | 590 | F017M3KB006 | 590 | F017M4HB006 | 604 | F017N1CB006 | 604 | F017N2AB006 |
| 591 | F017M2QB033 | 590 | F017M3KB033 | 590 | F017M4HB033 | 604 | F017N1CB033 | 604 | F017N2AB033 |
| 591 | F017M2QD006 | 590 | F017M3KD006 | 590 | F017M4HD006 | 604 | F017N1CD006 | 604 | F017N2AD006 |
| 591 | F017M2QD033 | 590 | F017M3KD033 | 590 | F017M4HD033 | 604 | F017N1CD033 | 604 | F017N2AD033 |
| 591 | F017M2RA006 | 590 | F017M3LA006 | 590 | F017M4JA006 | 604 | F017N1DA006 | 604 | F017N2BA006 |

| Page | Reference | Page | Reference | Page | Reference | Page | Reference | Page | Reference |
|---|---|---|---|---|---|---|---|---|---|
| 604 | F017N2BA033 | 606 | F017N2TA033 | 606 | F017N3RA033 | 605 | F017N4LA033 | 608 | F017P1JA033 |
| 604 | F017N2BB006 | 606 | F017N2TB006 | 606 | F017N3RB006 | 605 | F017N4LB006 | 608 | F017P1JB006 |
| 604 | F017N2BB033 | 606 | F017N2TB033 | 606 | F017N3RB033 | 605 | F017N4LB033 | 608 | F017P1JB033 |
| 604 | F017N2BD006 | 606 | F017N2TD006 | 606 | F017N3RD006 | 605 | F017N4LD006 | 608 | F017P1JD006 |
| 604 | F017N2BD033 | 606 | F017N2TD033 | 606 | F017N3RD033 | 605 | F017N4LD033 | 608 | F017P1JD033 |
| 604 | F017N2CA006 | 604 | F017N3AA006 | 606 | F017N3SA006 | 606 | F017N4QA006 | 608 | F017P1KA006 |
| 604 | F017N2CA033 | 604 | F017N3AA033 | 606 | F017N3SA033 | 606 | F017N4QA033 | 608 | F017P1KA033 |
| 604 | F017N2CB006 | 604 | F017N3AB006 | 606 | F017N3SB006 | 606 | F017N4QB006 | 608 | F017P1KB006 |
| 604 | F017N2CB033 | 604 | F017N3AB033 | 606 | F017N3SB033 | 606 | F017N4QB033 | 608 | F017P1KB033 |
| 604 | F017N2CD006 | 604 | F017N3AD006 | 606 | F017N3SD006 | 606 | F017N4QD006 | 608 | F017P1KD006 |
| 604 | F017N2CD033 | 604 | F017N3AD033 | 606 | F017N3SD033 | 606 | F017N4QD033 | 608 | F017P1KD033 |
| 604 | F017N2DA006 | 604 | F017N3BA006 | 606 | F017N3TA006 | 606 | F017N4RA006 | 608 | F017P1LA006 |
| 604 | F017N2DA033 | 604 | F017N3BA033 | 606 | F017N3TA033 | 606 | F017N4RA033 | 608 | F017P1LA033 |
| 604 | F017N2DB006 | 604 | F017N3BB006 | 606 | F017N3TB006 | 606 | F017N4RB006 | 608 | F017P1LB006 |
| 604 | F017N2DB033 | 604 | F017N3BB033 | 606 | F017N3TB033 | 606 | F017N4RB033 | 608 | F017P1LB033 |
| 604 | F017N2DD006 | 604 | F017N3BD006 | 606 | F017N3TD006 | 606 | F017N4RD006 | 608 | F017P1LD006 |
| 604 | F017N2DD033 | 604 | F017N3BD033 | 606 | F017N3TD033 | 606 | F017N4RD033 | 608 | F017P1LD033 |
| 605 | F017N2HA006 | 604 | F017N3CA006 | 604 | F017N4AA006 | 606 | F017N4SA006 | 609 | F017P1QA006 |
| 605 | F017N2HA033 | 604 | F017N3CA033 | 604 | F017N4AA033 | 606 | F017N4SA033 | 609 | F017P1QA033 |
| 605 | F017N2HB006 | 604 | F017N3CB006 | 604 | F017N4AB006 | 606 | F017N4SB006 | 609 | F017P1QB006 |
| 605 | F017N2HB033 | 604 | F017N3CB033 | 604 | F017N4AB033 | 606 | F017N4SB033 | 609 | F017P1QB033 |
| 605 | F017N2HD006 | 604 | F017N3CD006 | 604 | F017N4AD006 | 606 | F017N4SD006 | 609 | F017P1QD006 |
| 605 | F017N2HD033 | 604 | F017N3CD033 | 604 | F017N4AD033 | 606 | F017N4SD033 | 609 | F017P1QD033 |
| 605 | F017N2JA006 | 604 | F017N3DA006 | 604 | F017N4BA006 | 606 | F017N4TA006 | 609 | F017P1RA006 |
| 605 | F017N2JA033 | 604 | F017N3DA033 | 604 | F017N4BA033 | 606 | F017N4TA033 | 609 | F017P1RA033 |
| 605 | F017N2JB006 | 604 | F017N3DB006 | 604 | F017N4BB006 | 606 | F017N4TB006 | 609 | F017P1RB006 |
| 605 | F017N2JB033 | 604 | F017N3DB033 | 604 | F017N4BB033 | 606 | F017N4TB033 | 609 | F017P1RB033 |
| 605 | F017N2JD006 | 604 | F017N3DD006 | 604 | F017N4BD006 | 606 | F017N4TD006 | 609 | F017P1RD006 |
| 605 | F017N2JD033 | 604 | F017N3DD033 | 604 | F017N4BD033 | 606 | F017N4TD033 | 609 | F017P1RD033 |
| 605 | F017N2KA006 | 605 | F017N3HA006 | 604 | F017N4CA006 | 607 | F017P1AA006 | 609 | F017P1SA006 |
| 605 | F017N2KA033 | 605 | F017N3HA033 | 604 | F017N4CA033 | 607 | F017P1AA033 | 609 | F017P1SA033 |
| 605 | F017N2KB006 | 605 | F017N3HB006 | 604 | F017N4CB006 | 607 | F017P1AB006 | 609 | F017P1SB006 |
| 605 | F017N2KB033 | 605 | F017N3HB033 | 604 | F017N4CB033 | 607 | F017P1AB033 | 609 | F017P1SB033 |
| 605 | F017N2KD006 | 605 | F017N3HD006 | 604 | F017N4CD006 | 607 | F017P1AD006 | 609 | F017P1SD006 |
| 605 | F017N2KD033 | 605 | F017N3HD033 | 604 | F017N4CD033 | 607 | F017P1AD033 | 609 | F017P1SD033 |
| 605 | F017N2LA006 | 605 | F017N3JA006 | 604 | F017N4DA006 | 607 | F017P1BA006 | 609 | F017P1TA006 |
| 605 | F017N2LA033 | 605 | F017N3JA033 | 604 | F017N4DA033 | 607 | F017P1BA033 | 609 | F017P1TA033 |
| 605 | F017N2LB006 | 605 | F017N3JB006 | 604 | F017N4DB006 | 607 | F017P1BB006 | 609 | F017P1TB006 |
| 605 | F017N2LB033 | 605 | F017N3JB033 | 604 | F017N4DB033 | 607 | F017P1BB033 | 609 | F017P1TB033 |
| 605 | F017N2LD006 | 605 | F017N3JD006 | 604 | F017N4DD006 | 607 | F017P1BD006 | 609 | F017P1TD006 |
| 605 | F017N2LD033 | 605 | F017N3JD033 | 604 | F017N4DD033 | 607 | F017P1BD033 | 609 | F017P1TD033 |
| 606 | F017N2QA006 | 605 | F017N3KA006 | 605 | F017N4HA006 | 607 | F017P1CA006 | 607 | F017P2AA006 |
| 606 | F017N2QA033 | 605 | F017N3KA033 | 605 | F017N4HA033 | 607 | F017P1CA033 | 607 | F017P2AA033 |
| 606 | F017N2QB006 | 605 | F017N3KB006 | 605 | F017N4HB006 | 607 | F017P1CB006 | 607 | F017P2AB006 |
| 606 | F017N2QB033 | 605 | F017N3KB033 | 605 | F017N4HB033 | 607 | F017P1CB033 | 607 | F017P2AB033 |
| 606 | F017N2QD006 | 605 | F017N3KD006 | 605 | F017N4HD006 | 607 | F017P1CD006 | 607 | F017P2AD006 |
| 606 | F017N2QD033 | 605 | F017N3KD033 | 605 | F017N4HD033 | 607 | F017P1CD033 | 607 | F017P2AD033 |
| 606 | F017N2RA006 | 605 | F017N3LA006 | 605 | F017N4JA006 | 607 | F017P1DA006 | 607 | F017P2BA006 |
| 606 | F017N2RA033 | 605 | F017N3LA033 | 605 | F017N4JA033 | 607 | F017P1DA033 | 607 | F017P2BA033 |
| 606 | F017N2RB006 | 605 | F017N3LB006 | 605 | F017N4JB006 | 607 | F017P1DB006 | 607 | F017P2BB006 |
| 606 | F017N2RB033 | 605 | F017N3LB033 | 605 | F017N4JB033 | 607 | F017P1DB033 | 607 | F017P2BB033 |
| 606 | F017N2RD006 | 605 | F017N3LD006 | 605 | F017N4JD006 | 607 | F017P1DD006 | 607 | F017P2BD006 |
| 606 | F017N2RD033 | 605 | F017N3LD033 | 605 | F017N4JD033 | 607 | F017P1DD033 | 607 | F017P2BD033 |
| 606 | F017N2SA006 | 606 | F017N3QA006 | 605 | F017N4KA006 | 608 | F017P1HA006 | 607 | F017P2CA006 |
| 606 | F017N2SA033 | 606 | F017N3QA033 | 605 | F017N4KA033 | 608 | F017P1HA033 | 607 | F017P2CA033 |
| 606 | F017N2SB006 | 606 | F017N3QB006 | 605 | F017N4KB006 | 608 | F017P1HB006 | 607 | F017P2CB006 |
| 606 | F017N2SB033 | 606 | F017N3QB033 | 605 | F017N4KB033 | 608 | F017P1HB033 | 607 | F017P2CB033 |
| 606 | F017N2SD006 | 606 | F017N3QD006 | 605 | F017N4KD006 | 608 | F017P1HD006 | 607 | F017P2CD006 |
| 606 | F017N2SD033 | 606 | F017N3QD033 | 605 | F017N4KD033 | 608 | F017P1HD033 | 607 | F017P2CD033 |
| 606 | F017N2TA006 | 606 | F017N3RA006 | 605 | F017N4LA006 | 608 | F017P1JA006 | 607 | F017P2DA006 |

| Page | Reference | Page | Reference | Page | Reference | Page | Reference | Page | Reference |
|---|---|---|---|---|---|---|---|---|---|
| 607 | F017P2DA033 | 607 | F017P3BA033 | 609 | F017P3TA033 | 609 | F017P4RA033 | 611 | F017Q1LA033 |
| 607 | F017P2DB006 | 607 | F017P3BB006 | 609 | F017P3TB006 | 609 | F017P4RB006 | 611 | F017Q1LB006 |
| 607 | F017P2DB033 | 607 | F017P3BB033 | 609 | F017P3TB033 | 609 | F017P4RB033 | 611 | F017Q1LB033 |
| 607 | F017P2DD006 | 607 | F017P3BD006 | 609 | F017P3TD006 | 609 | F017P4RD006 | 611 | F017Q1LD006 |
| 607 | F017P2DD033 | 607 | F017P3BD033 | 609 | F017P3TD033 | 609 | F017P4RD033 | 611 | F017Q1LD033 |
| 608 | F017P2HA006 | 607 | F017P3CA006 | 607 | F017P4AA006 | 609 | F017P4SA006 | 612 | F017Q1QA006 |
| 608 | F017P2HA033 | 607 | F017P3CA033 | 607 | F017P4AA033 | 609 | F017P4SA033 | 612 | F017Q1QA033 |
| 608 | F017P2HB006 | 607 | F017P3CB006 | 607 | F017P4AB006 | 609 | F017P4SB006 | 612 | F017Q1QB006 |
| 608 | F017P2HB033 | 607 | F017P3CB033 | 607 | F017P4AB033 | 609 | F017P4SB033 | 612 | F017Q1QB033 |
| 608 | F017P2HD006 | 607 | F017P3CD006 | 607 | F017P4AD006 | 609 | F017P4SD006 | 612 | F017Q1QD006 |
| 608 | F017P2HD033 | 607 | F017P3CD033 | 607 | F017P4AD033 | 609 | F017P4SD033 | 612 | F017Q1QD033 |
| 608 | F017P2JA006 | 607 | F017P3DA006 | 607 | F017P4BA006 | 609 | F017P4TA006 | 612 | F017Q1RA006 |
| 608 | F017P2JA033 | 607 | F017P3DA033 | 607 | F017P4BA033 | 609 | F017P4TA033 | 612 | F017Q1RA033 |
| 608 | F017P2JB006 | 607 | F017P3DB006 | 607 | F017P4BB006 | 609 | F017P4TB006 | 612 | F017Q1RB006 |
| 608 | F017P2JB033 | 607 | F017P3DB033 | 607 | F017P4BB033 | 609 | F017P4TB033 | 612 | F017Q1RB033 |
| 608 | F017P2JD006 | 607 | F017P3DD006 | 607 | F017P4BD006 | 609 | F017P4TD006 | 612 | F017Q1RD006 |
| 608 | F017P2JD033 | 607 | F017P3DD033 | 607 | F017P4BD033 | 609 | F017P4TD033 | 612 | F017Q1RD033 |
| 608 | F017P2KA006 | 608 | F017P3HA006 | 607 | F017P4CA006 | 610 | F017Q1AA006 | 612 | F017Q1SA006 |
| 608 | F017P2KA033 | 608 | F017P3HA033 | 607 | F017P4CA033 | 610 | F017Q1AA033 | 612 | F017Q1SA033 |
| 608 | F017P2KB006 | 608 | F017P3HB006 | 607 | F017P4CB006 | 610 | F017Q1AB006 | 612 | F017Q1SB006 |
| 608 | F017P2KB033 | 608 | F017P3HB033 | 607 | F017P4CB033 | 610 | F017Q1AB033 | 612 | F017Q1SB033 |
| 608 | F017P2KD006 | 608 | F017P3HD006 | 607 | F017P4CD006 | 610 | F017Q1AD006 | 612 | F017Q1SD006 |
| 608 | F017P2KD033 | 608 | F017P3HD033 | 607 | F017P4CD033 | 610 | F017Q1AD033 | 612 | F017Q1SD033 |
| 608 | F017P2LA006 | 608 | F017P3JA006 | 607 | F017P4DA006 | 610 | F017Q1BA006 | 612 | F017Q1TA006 |
| 608 | F017P2LA033 | 608 | F017P3JA033 | 607 | F017P4DA033 | 610 | F017Q1BA033 | 612 | F017Q1TA033 |
| 608 | F017P2LB006 | 608 | F017P3JB006 | 607 | F017P4DB006 | 610 | F017Q1BB006 | 612 | F017Q1TB006 |
| 608 | F017P2LB033 | 608 | F017P3JB033 | 607 | F017P4DB033 | 610 | F017Q1BB033 | 612 | F017Q1TB033 |
| 608 | F017P2LD006 | 608 | F017P3JD006 | 607 | F017P4DD006 | 610 | F017Q1BD006 | 612 | F017Q1TD006 |
| 608 | F017P2LD033 | 608 | F017P3JD033 | 607 | F017P4DD033 | 610 | F017Q1BD033 | 612 | F017Q1TD033 |
| 609 | F017P2QA006 | 608 | F017P3KA006 | 608 | F017P4HA006 | 610 | F017Q1CA006 | 610 | F017Q2AA006 |
| 609 | F017P2QA033 | 608 | F017P3KA033 | 608 | F017P4HA033 | 610 | F017Q1CA033 | 610 | F017Q2AA033 |
| 609 | F017P2QB006 | 608 | F017P3KB006 | 608 | F017P4HB006 | 610 | F017Q1CB006 | 610 | F017Q2AB006 |
| 609 | F017P2QB033 | 608 | F017P3KB033 | 608 | F017P4HB033 | 610 | F017Q1CB033 | 610 | F017Q2AB033 |
| 609 | F017P2QD006 | 608 | F017P3KD006 | 608 | F017P4HD006 | 610 | F017Q1CD006 | 610 | F017Q2AD006 |
| 609 | F017P2QD033 | 608 | F017P3KD033 | 608 | F017P4HD033 | 610 | F017Q1CD033 | 610 | F017Q2AD033 |
| 609 | F017P2RA006 | 608 | F017P3LA006 | 608 | F017P4JA006 | 610 | F017Q1DA006 | 610 | F017Q2BA006 |
| 609 | F017P2RA033 | 608 | F017P3LA033 | 608 | F017P4JA033 | 610 | F017Q1DA033 | 610 | F017Q2BA033 |
| 609 | F017P2RB006 | 608 | F017P3LB006 | 608 | F017P4JB006 | 610 | F017Q1DB006 | 610 | F017Q2BB006 |
| 609 | F017P2RB033 | 608 | F017P3LB033 | 608 | F017P4JB033 | 610 | F017Q1DB033 | 610 | F017Q2BB033 |
| 609 | F017P2RD006 | 608 | F017P3LD006 | 608 | F017P4JD006 | 610 | F017Q1DD006 | 610 | F017Q2BD006 |
| 609 | F017P2RD033 | 608 | F017P3LD033 | 608 | F017P4JD033 | 610 | F017Q1DD033 | 610 | F017Q2BD033 |
| 609 | F017P2SA006 | 609 | F017P3QA006 | 608 | F017P4KA006 | 611 | F017Q1HA006 | 610 | F017Q2CA006 |
| 609 | F017P2SA033 | 609 | F017P3QA033 | 608 | F017P4KA033 | 611 | F017Q1HA033 | 610 | F017Q2CA033 |
| 609 | F017P2SB006 | 609 | F017P3QB006 | 608 | F017P4KB006 | 611 | F017Q1HB006 | 610 | F017Q2CB006 |
| 609 | F017P2SB033 | 609 | F017P3QB033 | 608 | F017P4KB033 | 611 | F017Q1HB033 | 610 | F017Q2CB033 |
| 609 | F017P2SD006 | 609 | F017P3QD006 | 608 | F017P4KD006 | 611 | F017Q1HD006 | 610 | F017Q2CD006 |
| 609 | F017P2SD033 | 609 | F017P3QD033 | 608 | F017P4KD033 | 611 | F017Q1HD033 | 610 | F017Q2CD033 |
| 609 | F017P2TA006 | 609 | F017P3RA006 | 608 | F017P4LA006 | 611 | F017Q1JA006 | 610 | F017Q2DA006 |
| 609 | F017P2TA033 | 609 | F017P3RA033 | 608 | F017P4LA033 | 611 | F017Q1JA033 | 610 | F017Q2DA033 |
| 609 | F017P2TB006 | 609 | F017P3RB006 | 608 | F017P4LB006 | 611 | F017Q1JB006 | 610 | F017Q2DB006 |
| 609 | F017P2TB033 | 609 | F017P3RB033 | 608 | F017P4LB033 | 611 | F017Q1JB033 | 610 | F017Q2DB033 |
| 609 | F017P2TD006 | 609 | F017P3RD006 | 608 | F017P4LD006 | 611 | F017Q1JD006 | 610 | F017Q2DD006 |
| 609 | F017P2TD033 | 609 | F017P3RD033 | 608 | F017P4LD033 | 611 | F017Q1JD033 | 610 | F017Q2DD033 |
| 607 | F017P3AA006 | 609 | F017P3SA006 | 609 | F017P4QA006 | 611 | F017Q1KA006 | 611 | F017Q2HA006 |
| 607 | F017P3AA033 | 609 | F017P3SA033 | 609 | F017P4QA033 | 611 | F017Q1KA033 | 611 | F017Q2HA033 |
| 607 | F017P3AB006 | 609 | F017P3SB006 | 609 | F017P4QB006 | 611 | F017Q1KB006 | 611 | F017Q2HB006 |
| 607 | F017P3AB033 | 609 | F017P3SB033 | 609 | F017P4QB033 | 611 | F017Q1KB033 | 611 | F017Q2HB033 |
| 607 | F017P3AD006 | 609 | F017P3SD006 | 609 | F017P4QD006 | 611 | F017Q1KD006 | 611 | F017Q2HD006 |
| 607 | F017P3AD033 | 609 | F017P3SD033 | 609 | F017P4QD033 | 611 | F017Q1KD033 | 611 | F017Q2HD033 |
| 607 | F017P3BA006 | 609 | F017P3TA006 | 609 | F017P4RA006 | 611 | F017Q1LA006 | 611 | F017Q2JA006 |

| Page | Reference | Page | Reference | Page | Reference | Page | Reference | Page | Reference |
|---|---|---|---|---|---|---|---|---|---|
| 611 | F017Q2JA033 | 610 | F017Q3DA033 | 610 | F017Q4BA033 | 612 | F017Q4TA033 | 615 | F017R1RA033 |
| 611 | F017Q2JB006 | 610 | F017Q3DB006 | 610 | F017Q4BB006 | 612 | F017Q4TB006 | 615 | F017R1RB006 |
| 611 | F017Q2JB033 | 610 | F017Q3DB033 | 610 | F017Q4BB033 | 612 | F017Q4TB033 | 615 | F017R1RB033 |
| 611 | F017Q2JD006 | 610 | F017Q3DD006 | 610 | F017Q4BD006 | 612 | F017Q4TD006 | 615 | F017R1RD006 |
| 611 | F017Q2JD033 | 610 | F017Q3DD033 | 610 | F017Q4BD033 | 612 | F017Q4TD033 | 615 | F017R1RD033 |
| 611 | F017Q2KA006 | 611 | F017Q3HA006 | 610 | F017Q4CA006 | 613 | F017R1AA006 | 615 | F017R1SA006 |
| 611 | F017Q2KA033 | 611 | F017Q3HA033 | 610 | F017Q4CA033 | 613 | F017R1AA033 | 615 | F017R1SA033 |
| 611 | F017Q2KB006 | 611 | F017Q3HB006 | 610 | F017Q4CB006 | 613 | F017R1AB006 | 615 | F017R1SB006 |
| 611 | F017Q2KB033 | 611 | F017Q3HB033 | 610 | F017Q4CB033 | 613 | F017R1AB033 | 615 | F017R1SB033 |
| 611 | F017Q2KD006 | 611 | F017Q3HD006 | 610 | F017Q4CD006 | 613 | F017R1AD006 | 615 | F017R1SD006 |
| 611 | F017Q2KD033 | 611 | F017Q3HD033 | 610 | F017Q4CD033 | 613 | F017R1AD033 | 615 | F017R1SD033 |
| 611 | F017Q2LA006 | 611 | F017Q3JA006 | 610 | F017Q4DA006 | 613 | F017R1BA006 | 615 | F017R1TA006 |
| 611 | F017Q2LA033 | 611 | F017Q3JA033 | 610 | F017Q4DA033 | 613 | F017R1BA033 | 615 | F017R1TA033 |
| 611 | F017Q2LB006 | 611 | F017Q3JB006 | 610 | F017Q4DB006 | 613 | F017R1BB006 | 615 | F017R1TB006 |
| 611 | F017Q2LB033 | 611 | F017Q3JB033 | 610 | F017Q4DB033 | 613 | F017R1BB033 | 615 | F017R1TB033 |
| 611 | F017Q2LD006 | 611 | F017Q3JD006 | 610 | F017Q4DD006 | 613 | F017R1BD006 | 615 | F017R1TD006 |
| 611 | F017Q2LD033 | 611 | F017Q3JD033 | 610 | F017Q4DD033 | 613 | F017R1BD033 | 615 | F017R1TD033 |
| 612 | F017Q2QA006 | 611 | F017Q3KA006 | 611 | F017Q4HA006 | 613 | F017R1CA006 | 613 | F017R2AA006 |
| 612 | F017Q2QA033 | 611 | F017Q3KA033 | 611 | F017Q4HA033 | 613 | F017R1CA033 | 613 | F017R2AA033 |
| 612 | F017Q2QB006 | 611 | F017Q3KB006 | 611 | F017Q4HB006 | 613 | F017R1CB006 | 613 | F017R2AB006 |
| 612 | F017Q2QB033 | 611 | F017Q3KB033 | 611 | F017Q4HB033 | 613 | F017R1CB033 | 613 | F017R2AB033 |
| 612 | F017Q2QD006 | 611 | F017Q3KD006 | 611 | F017Q4HD006 | 613 | F017R1CD006 | 613 | F017R2AD006 |
| 612 | F017Q2QD033 | 611 | F017Q3KD033 | 611 | F017Q4HD033 | 613 | F017R1CD033 | 613 | F017R2AD033 |
| 612 | F017Q2RA006 | 611 | F017Q3LA006 | 611 | F017Q4JA006 | 613 | F017R1DA006 | 613 | F017R2BA006 |
| 612 | F017Q2RA033 | 611 | F017Q3LA033 | 611 | F017Q4JA033 | 613 | F017R1DA033 | 613 | F017R2BA033 |
| 612 | F017Q2RB006 | 611 | F017Q3LB006 | 611 | F017Q4JB006 | 613 | F017R1DB006 | 613 | F017R2BB006 |
| 612 | F017Q2RB033 | 611 | F017Q3LB033 | 611 | F017Q4JB033 | 613 | F017R1DB033 | 613 | F017R2BB033 |
| 612 | F017Q2RD006 | 611 | F017Q3LD006 | 611 | F017Q4JD006 | 613 | F017R1DD006 | 613 | F017R2BD006 |
| 612 | F017Q2RD033 | 611 | F017Q3LD033 | 611 | F017Q4JD033 | 613 | F017R1DD033 | 613 | F017R2BD033 |
| 612 | F017Q2SA006 | 612 | F017Q3QA006 | 611 | F017Q4KA006 | 614 | F017R1HA006 | 613 | F017R2CA006 |
| 612 | F017Q2SA033 | 612 | F017Q3QA033 | 611 | F017Q4KA033 | 614 | F017R1HA033 | 613 | F017R2CA033 |
| 612 | F017Q2SB006 | 612 | F017Q3QB006 | 611 | F017Q4KB006 | 614 | F017R1HB006 | 613 | F017R2CB006 |
| 612 | F017Q2SB033 | 612 | F017Q3QB033 | 611 | F017Q4KB033 | 614 | F017R1HB033 | 613 | F017R2CB033 |
| 612 | F017Q2SD006 | 612 | F017Q3QD006 | 611 | F017Q4KD006 | 614 | F017R1HD006 | 613 | F017R2CD006 |
| 612 | F017Q2SD033 | 612 | F017Q3QD033 | 611 | F017Q4KD033 | 614 | F017R1HD033 | 613 | F017R2CD033 |
| 612 | F017Q2TA006 | 612 | F017Q3RA006 | 611 | F017Q4LA006 | 614 | F017R1JA006 | 613 | F017R2DA006 |
| 612 | F017Q2TA033 | 612 | F017Q3RA033 | 611 | F017Q4LA033 | 614 | F017R1JA033 | 613 | F017R2DA033 |
| 612 | F017Q2TB006 | 612 | F017Q3RB006 | 611 | F017Q4LB006 | 614 | F017R1JB006 | 613 | F017R2DB006 |
| 612 | F017Q2TB033 | 612 | F017Q3RB033 | 611 | F017Q4LB033 | 614 | F017R1JB033 | 613 | F017R2DB033 |
| 612 | F017Q2TD006 | 612 | F017Q3RD006 | 611 | F017Q4LD006 | 614 | F017R1JD006 | 613 | F017R2DD006 |
| 612 | F017Q2TD033 | 612 | F017Q3RD033 | 611 | F017Q4LD033 | 614 | F017R1JD033 | 613 | F017R2DD033 |
| 610 | F017Q3AA006 | 612 | F017Q3SA006 | 612 | F017Q4QA006 | 614 | F017R1KA006 | 614 | F017R2HA006 |
| 610 | F017Q3AA033 | 612 | F017Q3SA033 | 612 | F017Q4QA033 | 614 | F017R1KA033 | 614 | F017R2HA033 |
| 610 | F017Q3AB006 | 612 | F017Q3SB006 | 612 | F017Q4QB006 | 614 | F017R1KB006 | 614 | F017R2HB006 |
| 610 | F017Q3AB033 | 612 | F017Q3SB033 | 612 | F017Q4QB033 | 614 | F017R1KB033 | 614 | F017R2HB033 |
| 610 | F017Q3AD006 | 612 | F017Q3SD006 | 612 | F017Q4QD006 | 614 | F017R1KD006 | 614 | F017R2HD006 |
| 610 | F017Q3AD033 | 612 | F017Q3SD033 | 612 | F017Q4QD033 | 614 | F017R1KD033 | 614 | F017R2HD033 |
| 610 | F017Q3BA006 | 612 | F017Q3TA006 | 612 | F017Q4RA006 | 614 | F017R1LA006 | 614 | F017R2JA006 |
| 610 | F017Q3BA033 | 612 | F017Q3TA033 | 612 | F017Q4RA033 | 614 | F017R1LA033 | 614 | F017R2JA033 |
| 610 | F017Q3BB006 | 612 | F017Q3TB006 | 612 | F017Q4RB006 | 614 | F017R1LB006 | 614 | F017R2JB006 |
| 610 | F017Q3BB033 | 612 | F017Q3TB033 | 612 | F017Q4RB033 | 614 | F017R1LB033 | 614 | F017R2JB033 |
| 610 | F017Q3BD006 | 612 | F017Q3TD006 | 612 | F017Q4RD006 | 614 | F017R1LD006 | 614 | F017R2JD006 |
| 610 | F017Q3BD033 | 612 | F017Q3TD033 | 612 | F017Q4RD033 | 614 | F017R1LD033 | 614 | F017R2JD033 |
| 610 | F017Q3CA006 | 610 | F017Q4AA006 | 612 | F017Q4SA006 | 615 | F017R1QA006 | 614 | F017R2KA006 |
| 610 | F017Q3CA033 | 610 | F017Q4AA033 | 612 | F017Q4SA033 | 615 | F017R1QA033 | 614 | F017R2KA033 |
| 610 | F017Q3CB006 | 610 | F017Q4AB006 | 612 | F017Q4SB006 | 615 | F017R1QB006 | 614 | F017R2KB006 |
| 610 | F017Q3CB033 | 610 | F017Q4AB033 | 612 | F017Q4SB033 | 615 | F017R1QB033 | 614 | F017R2KB033 |
| 610 | F017Q3CD006 | 610 | F017Q4AD006 | 612 | F017Q4SD006 | 615 | F017R1QD006 | 614 | F017R2KD006 |
| 610 | F017Q3CD033 | 610 | F017Q4AD033 | 612 | F017Q4SD033 | 615 | F017R1QD033 | 614 | F017R2KD033 |
| 610 | F017Q3DA006 | 610 | F017Q4BA006 | 612 | F017Q4TA006 | 615 | F017R1RA006 | 614 | F017R2LA006 |

| Page | Reference | Page | Reference | Page | Reference | Page | Reference | Page | Reference |
|---|---|---|---|---|---|---|---|---|---|
| 614 | F017R2LA033 | 614 | F017R3JA033 | 613 | F017R4DA033 | 616 | F017Z140000 | 193 | F018A22D012 |
| 614 | F017R2LB006 | 614 | F017R3JB006 | 613 | F017R4DB006 | 618 | F017Z210000 | 193 | F018A22D013 |
| 614 | F017R2LB033 | 614 | F017R3JB033 | 613 | F017R4DB033 | 618 | F017Z211000 | 193 | F018A22D018 |
| 614 | F017R2LD006 | 614 | F017R3JD006 | 613 | F017R4DD006 | 618 | F017Z220000 | 193 | F018A22D025 |
| 614 | F017R2LD033 | 614 | F017R3JD033 | 613 | F017R4DD033 | 618 | F017Z221000 | 193 | F018A22D030 |
| 615 | F017R2QA006 | 614 | F017R3KA006 | 614 | F017R4HA006 | 618 | F017Z230000 | 193 | F018A22D033 |
| 615 | F017R2QA033 | 614 | F017R3KA033 | 614 | F017R4HA033 | 618 | F017Z231000 | 193 | F018A23A001 |
| 615 | F017R2QB006 | 614 | F017R3KB006 | 614 | F017R4HB006 | 618 | F017Z240000 | 193 | F018A23A012 |
| 615 | F017R2QB033 | 614 | F017R3KB033 | 614 | F017R4HB033 | 618 | F017Z241000 | 193 | F018A23A013 |
| 615 | F017R2QD006 | 614 | F017R3KD006 | 614 | F017R4HD006 | 618 | F017Z490000 | 193 | F018A23A018 |
| 615 | F017R2QD033 | 614 | F017R3KD033 | 614 | F017R4HD033 | 618 | F017Z530000 | 193 | F018A23A025 |
| 615 | F017R2RA006 | 614 | F017R3LA006 | 614 | F017R4JA006 | 618 | F017Z531000 | 193 | F018A23A030 |
| 615 | F017R2RA033 | 614 | F017R3LA033 | 614 | F017R4JA033 | 616 | F017Z550006 | 193 | F018A23A033 |
| 615 | F017R2RB006 | 614 | F017R3LB006 | 614 | F017R4JB006 | 616 | F017Z550033 | 193 | F018A23B001 |
| 615 | F017R2RB033 | 614 | F017R3LB033 | 614 | F017R4JB033 | 616 | F017Z560006 | 193 | F018A23B012 |
| 615 | F017R2RD006 | 614 | F017R3LD006 | 614 | F017R4JD006 | 616 | F017Z560033 | 193 | F018A23B013 |
| 615 | F017R2RD033 | 614 | F017R3LD033 | 614 | F017R4JD033 | 616 | F017Z610000 | 193 | F018A23B018 |
| 615 | F017R2SA006 | 615 | F017R3QA006 | 614 | F017R4KA006 | 616 | F017Z620000 | 193 | F018A23B025 |
| 615 | F017R2SA033 | 615 | F017R3QA033 | 614 | F017R4KA033 | 616 | F017Z630000 | 193 | F018A23B030 |
| 615 | F017R2SB006 | 615 | F017R3QB006 | 614 | F017R4KB006 | 616 | F017Z640000 | 193 | F018A23B033 |
| 615 | F017R2SB033 | 615 | F017R3QB033 | 614 | F017R4KB033 | 616 | F017Z710000 | 193 | F018A23D001 |
| 615 | F017R2SD006 | 615 | F017R3QD006 | 614 | F017R4KD006 | 616 | F017Z720000 | 193 | F018A23D012 |
| 615 | F017R2SD033 | 615 | F017R3QD033 | 614 | F017R4KD033 | 616 | F017Z730000 | 193 | F018A23D013 |
| 615 | F017R2TA006 | 615 | F017R3RA006 | 614 | F017R4LA006 | 616 | F017Z740000 | 193 | F018A23D018 |
| 615 | F017R2TA033 | 615 | F017R3RA033 | 614 | F017R4LA033 | 192 | F018A21A001 | 193 | F018A23D025 |
| 615 | F017R2TB006 | 615 | F017R3RB006 | 614 | F017R4LB006 | 192 | F018A21A012 | 193 | F018A23D030 |
| 615 | F017R2TB033 | 615 | F017R3RB033 | 614 | F017R4LB033 | 192 | F018A21A013 | 193 | F018A23D033 |
| 615 | F017R2TD006 | 615 | F017R3RD006 | 614 | F017R4LD006 | 192 | F018A21A018 | 192 | F018A31A001 |
| 615 | F017R2TD033 | 615 | F017R3RD033 | 614 | F017R4LD033 | 192 | F018A21A025 | 192 | F018A31A012 |
| 613 | F017R3AA006 | 615 | F017R3SA006 | 615 | F017R4QA006 | 192 | F018A21A030 | 192 | F018A31A013 |
| 613 | F017R3AA033 | 615 | F017R3SA033 | 615 | F017R4QA033 | 192 | F018A21A033 | 192 | F018A31A018 |
| 613 | F017R3AB006 | 615 | F017R3SB006 | 615 | F017R4QB006 | 192 | F018A21B001 | 192 | F018A31A025 |
| 613 | F017R3AB033 | 615 | F017R3SB033 | 615 | F017R4QB033 | 192 | F018A21B012 | 192 | F018A31A030 |
| 613 | F017R3AD006 | 615 | F017R3SD006 | 615 | F017R4QD006 | 192 | F018A21B013 | 192 | F018A31A033 |
| 613 | F017R3AD033 | 615 | F017R3SD033 | 615 | F017R4QD033 | 192 | F018A21B018 | 192 | F018A31B001 |
| 613 | F017R3BA006 | 615 | F017R3TA006 | 615 | F017R4RA006 | 192 | F018A21B025 | 192 | F018A31B012 |
| 613 | F017R3BA033 | 615 | F017R3TA033 | 615 | F017R4RA033 | 192 | F018A21B030 | 192 | F018A31B013 |
| 613 | F017R3BB006 | 615 | F017R3TB006 | 615 | F017R4RB006 | 192 | F018A21B033 | 192 | F018A31B018 |
| 613 | F017R3BB033 | 615 | F017R3TB033 | 615 | F017R4RB033 | 192 | F018A21D001 | 192 | F018A31B025 |
| 613 | F017R3BD006 | 615 | F017R3TD006 | 615 | F017R4RD006 | 192 | F018A21D012 | 192 | F018A31B030 |
| 613 | F017R3BD033 | 615 | F017R3TD033 | 615 | F017R4RD033 | 192 | F018A21D013 | 192 | F018A31B033 |
| 613 | F017R3CA006 | 613 | F017R4AA006 | 615 | F017R4SA006 | 192 | F018A21D018 | 192 | F018A31D001 |
| 613 | F017R3CA033 | 613 | F017R4AA033 | 615 | F017R4SA033 | 192 | F018A21D025 | 192 | F018A31D012 |
| 613 | F017R3CB006 | 613 | F017R4AB006 | 615 | F017R4SB006 | 192 | F018A21D030 | 192 | F018A31D013 |
| 613 | F017R3CB033 | 613 | F017R4AB033 | 615 | F017R4SB033 | 192 | F018A21D033 | 192 | F018A31D018 |
| 613 | F017R3CD006 | 613 | F017R4AD006 | 615 | F017R4SD006 | 193 | F018A22A001 | 192 | F018A31D025 |
| 613 | F017R3CD033 | 613 | F017R4AD033 | 615 | F017R4SD033 | 193 | F018A22A012 | 192 | F018A31D030 |
| 613 | F017R3DA006 | 613 | F017R4BA006 | 615 | F017R4TA006 | 193 | F018A22A013 | 192 | F018A31D033 |
| 613 | F017R3DA033 | 613 | F017R4BA033 | 615 | F017R4TA033 | 193 | F018A22A018 | 193 | F018A32A001 |
| 613 | F017R3DB006 | 613 | F017R4BB006 | 615 | F017R4TB006 | 193 | F018A22A025 | 193 | F018A32A012 |
| 613 | F017R3DB033 | 613 | F017R4BB033 | 615 | F017R4TB033 | 193 | F018A22A030 | 193 | F018A32A013 |
| 613 | F017R3DD006 | 613 | F017R4BD006 | 615 | F017R4TD006 | 193 | F018A22A033 | 193 | F018A32A018 |
| 613 | F017R3DD033 | 613 | F017R4BD033 | 615 | F017R4TD033 | 193 | F018A22B001 | 193 | F018A32A025 |
| 614 | F017R3HA006 | 613 | F017R4CA006 | 616 | F017Z010000 | 193 | F018A22B012 | 193 | F018A32A030 |
| 614 | F017R3HA033 | 613 | F017R4CA033 | 616 | F017Z020000 | 193 | F018A22B013 | 193 | F018A32A033 |
| 614 | F017R3HB006 | 613 | F017R4CB006 | 616 | F017Z030000 | 193 | F018A22B018 | 193 | F018A32B001 |
| 614 | F017R3HB033 | 613 | F017R4CB033 | 616 | F017Z040000 | 193 | F018A22B025 | 193 | F018A32B012 |
| 614 | F017R3HD006 | 613 | F017R4CD006 | 616 | F017Z110000 | 193 | F018A22B030 | 193 | F018A32B013 |
| 614 | F017R3HD033 | 613 | F017R4CD033 | 616 | F017Z120000 | 193 | F018A22B033 | 193 | F018A32B018 |
| 614 | F017R3JA006 | 613 | F017R4DA006 | 616 | F017Z130000 | 193 | F018A22D001 | 193 | F018A32B025 |

| Page | Reference | Page | Reference | Page | Reference | Page | Reference | Page | Reference |
|---|---|---|---|---|---|---|---|---|---|
| 193 | F018A32B030 | 194 | F018B32B013 | 195 | F018D25A033 | 196 | F018F21B018 | 196 | F018F32B001 |
| 193 | F018A32B033 | 194 | F018B32B018 | 195 | F018D25B001 | 196 | F018F21B025 | 196 | F018F32B012 |
| 193 | F018A32D001 | 194 | F018B32B025 | 195 | F018D25B012 | 196 | F018F21B030 | 196 | F018F32B013 |
| 193 | F018A32D012 | 194 | F018B32B030 | 195 | F018D25B013 | 196 | F018F21B033 | 196 | F018F32B018 |
| 193 | F018A32D013 | 194 | F018B32B033 | 195 | F018D25B018 | 196 | F018F21D001 | 196 | F018F32B025 |
| 193 | F018A32D018 | 194 | F018B32D001 | 195 | F018D25B025 | 196 | F018F21D012 | 196 | F018F32B030 |
| 193 | F018A32D025 | 194 | F018B32D012 | 195 | F018D25B030 | 196 | F018F21D013 | 196 | F018F32B033 |
| 193 | F018A32D030 | 194 | F018B32D013 | 195 | F018D25B033 | 196 | F018F21D018 | 196 | F018F32D001 |
| 193 | F018A32D033 | 194 | F018B32D018 | 195 | F018D25D001 | 196 | F018F21D025 | 196 | F018F32D012 |
| 193 | F018A33A001 | 194 | F018B32D025 | 195 | F018D25D012 | 196 | F018F21D030 | 196 | F018F32D013 |
| 193 | F018A33A012 | 194 | F018B32D030 | 195 | F018D25D013 | 196 | F018F21D033 | 196 | F018F32D018 |
| 193 | F018A33A013 | 194 | F018B32D033 | 195 | F018D25D018 | 196 | F018F22A001 | 196 | F018F32D025 |
| 193 | F018A33A018 | 194 | F018C25A001 | 195 | F018D25D025 | 196 | F018F22A012 | 196 | F018F32D030 |
| 193 | F018A33A025 | 194 | F018C25A012 | 195 | F018D25D030 | 196 | F018F22A013 | 196 | F018F32D033 |
| 193 | F018A33A030 | 194 | F018C25A013 | 195 | F018D25D033 | 196 | F018F22A018 | 197 | F018Z000000 |
| 193 | F018A33A033 | 194 | F018C25A018 | 195 | F018D35A001 | 196 | F018F22A025 | 280 | F019A21D001 |
| 193 | F018A33B001 | 194 | F018C25A025 | 195 | F018D35A012 | 196 | F018F22A030 | 280 | F019A21D006 |
| 193 | F018A33B012 | 194 | F018C25A030 | 195 | F018D35A013 | 196 | F018F22A033 | 280 | F019A21D012 |
| 193 | F018A33B013 | 194 | F018C25A033 | 195 | F018D35A018 | 196 | F018F22B001 | 280 | F019A21D018 |
| 193 | F018A33B018 | 194 | F018C25B001 | 195 | F018D35A025 | 196 | F018F22B012 | 280 | F019A21D030 |
| 193 | F018A33B025 | 194 | F018C25B012 | 195 | F018D35A030 | 196 | F018F22B013 | 280 | F019A21D033 |
| 193 | F018A33B030 | 194 | F018C25B013 | 195 | F018D35A033 | 196 | F018F22B018 | 280 | F019A22D001 |
| 193 | F018A33B033 | 194 | F018C25B018 | 195 | F018D35B001 | 196 | F018F22B025 | 280 | F019A22D006 |
| 193 | F018A33D001 | 194 | F018C25B025 | 195 | F018D35B012 | 196 | F018F22B030 | 280 | F019A22D012 |
| 193 | F018A33D012 | 194 | F018C25B030 | 195 | F018D35B013 | 196 | F018F22B033 | 280 | F019A22D018 |
| 193 | F018A33D013 | 194 | F018C25B033 | 195 | F018D35B018 | 196 | F018F22D001 | 280 | F019A22D030 |
| 193 | F018A33D018 | 194 | F018C25D001 | 195 | F018D35B025 | 196 | F018F22D012 | 280 | F019A22D033 |
| 193 | F018A33D025 | 194 | F018C25D012 | 195 | F018D35B030 | 196 | F018F22D013 | 282 | F019A23D001 |
| 193 | F018A33D030 | 194 | F018C25D013 | 195 | F018D35B033 | 196 | F018F22D018 | 282 | F019A23D006 |
| 193 | F018A33D033 | 194 | F018C25D018 | 195 | F018D35D001 | 196 | F018F22D025 | 282 | F019A23D012 |
| 194 | F018B22A001 | 194 | F018C25D025 | 195 | F018D35D012 | 196 | F018F22D030 | 282 | F019A23D018 |
| 194 | F018B22A012 | 194 | F018C25D030 | 195 | F018D35D013 | 196 | F018F22D033 | 282 | F019A23D030 |
| 194 | F018B22A013 | 194 | F018C25D033 | 195 | F018D35D018 | 196 | F018F31A001 | 282 | F019A23D033 |
| 194 | F018B22A018 | 194 | F018C35A001 | 195 | F018D35D025 | 196 | F018F31A012 | 280 | F019A31D001 |
| 194 | F018B22A025 | 194 | F018C35A012 | 195 | F018D35D030 | 196 | F018F31A013 | 280 | F019A31D006 |
| 194 | F018B22A030 | 194 | F018C35A013 | 195 | F018D35D033 | 196 | F018F31A018 | 280 | F019A31D012 |
| 194 | F018B22A033 | 194 | F018C35A018 | 192 | F018E21K001 | 196 | F018F31A025 | 280 | F019A31D018 |
| 194 | F018B22B001 | 194 | F018C35A025 | 192 | F018E21K012 | 196 | F018F31A030 | 280 | F019A31D030 |
| 194 | F018B22B012 | 194 | F018C35A030 | 192 | F018E21K013 | 196 | F018F31A033 | 280 | F019A31D033 |
| 194 | F018B22B013 | 194 | F018C35A033 | 192 | F018E21K018 | 196 | F018F31B001 | 280 | F019A32D001 |
| 194 | F018B22B018 | 194 | F018C35B001 | 192 | F018E21K025 | 196 | F018F31B012 | 280 | F019A32D006 |
| 194 | F018B22B025 | 194 | F018C35B012 | 192 | F018E21K030 | 196 | F018F31B013 | 280 | F019A32D012 |
| 194 | F018B22B030 | 194 | F018C35B013 | 192 | F018E21K033 | 196 | F018F31B018 | 280 | F019A32D018 |
| 194 | F018B22B033 | 194 | F018C35B018 | 192 | F018E31K001 | 196 | F018F31B025 | 280 | F019A32D030 |
| 194 | F018B22D001 | 194 | F018C35B025 | 192 | F018E31K012 | 196 | F018F31B030 | 280 | F019A32D033 |
| 194 | F018B22D012 | 194 | F018C35B030 | 192 | F018E31K013 | 196 | F018F31B033 | 282 | F019A33D001 |
| 194 | F018B22D013 | 194 | F018C35B033 | 192 | F018E31K018 | 196 | F018F31D001 | 282 | F019A33D006 |
| 194 | F018B22D018 | 194 | F018C35D001 | 192 | F018E31K025 | 196 | F018F31D012 | 282 | F019A33D012 |
| 194 | F018B22D025 | 194 | F018C35D012 | 192 | F018E31K030 | 196 | F018F31D013 | 282 | F019A33D018 |
| 194 | F018B22D030 | 194 | F018C35D013 | 192 | F018E31K033 | 196 | F018F31D018 | 282 | F019A33D030 |
| 194 | F018B22D033 | 194 | F018C35D018 | 196 | F018F21A001 | 196 | F018F31D025 | 282 | F019A33D033 |
| 194 | F018B32A001 | 194 | F018C35D025 | 196 | F018F21A012 | 196 | F018F31D030 | 280 | F019A41D001 |
| 194 | F018B32A012 | 194 | F018C35D030 | 196 | F018F21A013 | 196 | F018F31D033 | 280 | F019A41D006 |
| 194 | F018B32A013 | 194 | F018C35D033 | 196 | F018F21A018 | 196 | F018F32A001 | 280 | F019A41D012 |
| 194 | F018B32A018 | 195 | F018D25A001 | 196 | F018F21A025 | 196 | F018F32A012 | 280 | F019A41D018 |
| 194 | F018B32A025 | 195 | F018D25A012 | 196 | F018F21A030 | 196 | F018F32A013 | 280 | F019A41D030 |
| 194 | F018B32A030 | 195 | F018D25A013 | 196 | F018F21A033 | 196 | F018F32A018 | 280 | F019A41D033 |
| 194 | F018B32A033 | 195 | F018D25A018 | 196 | F018F21B001 | 196 | F018F32A025 | 280 | F019A42D001 |
| 194 | F018B32B001 | 195 | F018D25A025 | 196 | F018F21B012 | 196 | F018F32A030 | 280 | F019A42D006 |
| 194 | F018B32B012 | 195 | F018D25A030 | 196 | F018F21B013 | 196 | F018F32A033 | 280 | F019A42D012 |

| Page | Reference | Page | Reference | Page | Reference | Page | Reference | Page | Reference |
|---|---|---|---|---|---|---|---|---|---|
| 280 | F019A42D018 | 283 | F019B43D018 | 631 | F020A1BH018 | 635 | F020A1MH018 | 631 | F020A2BH018 |
| 280 | F019A42D030 | 283 | F019B43D030 | 631 | F020A1BH030 | 635 | F020A1MH030 | 631 | F020A2BH030 |
| 280 | F019A42D033 | 283 | F019B43D033 | 631 | F020A1BH033 | 635 | F020A1MH033 | 631 | F020A2BH033 |
| 282 | F019A43D001 | 628 | F020A11H001 | 633 | F020A1CH001 | 628 | F020A21H001 | 633 | F020A2CH001 |
| 282 | F019A43D006 | 628 | F020A11H006 | 633 | F020A1CH006 | 628 | F020A21H006 | 633 | F020A2CH006 |
| 282 | F019A43D012 | 628 | F020A11H012 | 633 | F020A1CH012 | 628 | F020A21H012 | 633 | F020A2CH012 |
| 282 | F019A43D018 | 628 | F020A11H018 | 633 | F020A1CH018 | 628 | F020A21H018 | 633 | F020A2CH018 |
| 282 | F019A43D030 | 628 | F020A11H030 | 633 | F020A1CH030 | 628 | F020A21H030 | 633 | F020A2CH030 |
| 282 | F019A43D033 | 628 | F020A11H033 | 633 | F020A1CH033 | 628 | F020A21H033 | 633 | F020A2CH033 |
| 281 | F019B21D001 | 630 | F020A12H001 | 635 | F020A1DH001 | 630 | F020A22H001 | 635 | F020A2DH001 |
| 281 | F019B21D006 | 630 | F020A12H006 | 635 | F020A1DH006 | 630 | F020A22H006 | 635 | F020A2DH006 |
| 281 | F019B21D012 | 630 | F020A12H012 | 635 | F020A1DH012 | 630 | F020A22H012 | 635 | F020A2DH012 |
| 281 | F019B21D018 | 630 | F020A12H018 | 635 | F020A1DH018 | 630 | F020A22H018 | 635 | F020A2DH018 |
| 281 | F019B21D030 | 630 | F020A12H030 | 635 | F020A1DH030 | 630 | F020A22H030 | 635 | F020A2DH030 |
| 281 | F019B21D033 | 630 | F020A12H033 | 635 | F020A1DH033 | 630 | F020A22H033 | 635 | F020A2DH033 |
| 281 | F019B22D001 | 632 | F020A13H001 | 629 | F020A1EH001 | 632 | F020A23H001 | 629 | F020A2EH001 |
| 281 | F019B22D006 | 632 | F020A13H006 | 629 | F020A1EH006 | 632 | F020A23H006 | 629 | F020A2EH006 |
| 281 | F019B22D012 | 632 | F020A13H012 | 629 | F020A1EH012 | 632 | F020A23H012 | 629 | F020A2EH012 |
| 281 | F019B22D018 | 632 | F020A13H018 | 629 | F020A1EH018 | 632 | F020A23H018 | 629 | F020A2EH018 |
| 281 | F019B22D030 | 632 | F020A13H030 | 629 | F020A1EH030 | 632 | F020A23H030 | 629 | F020A2EH030 |
| 281 | F019B22D033 | 632 | F020A13H033 | 629 | F020A1EH033 | 632 | F020A23H033 | 629 | F020A2EH033 |
| 283 | F019B23D001 | 634 | F020A14H001 | 631 | F020A1FH001 | 634 | F020A24H001 | 631 | F020A2FH001 |
| 283 | F019B23D006 | 634 | F020A14H006 | 631 | F020A1FH006 | 634 | F020A24H006 | 631 | F020A2FH006 |
| 283 | F019B23D012 | 634 | F020A14H012 | 631 | F020A1FH012 | 634 | F020A24H012 | 631 | F020A2FH012 |
| 283 | F019B23D018 | 634 | F020A14H018 | 631 | F020A1FH018 | 634 | F020A24H018 | 631 | F020A2FH018 |
| 283 | F019B23D030 | 634 | F020A14H030 | 631 | F020A1FH030 | 634 | F020A24H030 | 631 | F020A2FH030 |
| 283 | F019B23D033 | 634 | F020A14H033 | 631 | F020A1FH033 | 634 | F020A24H033 | 631 | F020A2FH033 |
| 281 | F019B31D001 | 628 | F020A15H001 | 633 | F020A1GH001 | 628 | F020A25H001 | 633 | F020A2GH001 |
| 281 | F019B31D006 | 628 | F020A15H006 | 633 | F020A1GH006 | 628 | F020A25H006 | 633 | F020A2GH006 |
| 281 | F019B31D012 | 628 | F020A15H012 | 633 | F020A1GH012 | 628 | F020A25H012 | 633 | F020A2GH012 |
| 281 | F019B31D018 | 628 | F020A15H018 | 633 | F020A1GH018 | 628 | F020A25H018 | 633 | F020A2GH018 |
| 281 | F019B31D030 | 628 | F020A15H030 | 633 | F020A1GH030 | 628 | F020A25H030 | 633 | F020A2GH030 |
| 281 | F019B31D033 | 628 | F020A15H033 | 633 | F020A1GH033 | 628 | F020A25H033 | 633 | F020A2GH033 |
| 281 | F019B32D001 | 630 | F020A16H001 | 635 | F020A1HH001 | 630 | F020A26H001 | 635 | F020A2HH001 |
| 281 | F019B32D006 | 630 | F020A16H006 | 635 | F020A1HH006 | 630 | F020A26H006 | 635 | F020A2HH006 |
| 281 | F019B32D012 | 630 | F020A16H012 | 635 | F020A1HH012 | 630 | F020A26H012 | 635 | F020A2HH012 |
| 281 | F019B32D018 | 630 | F020A16H018 | 635 | F020A1HH018 | 630 | F020A26H018 | 635 | F020A2HH018 |
| 281 | F019B32D030 | 630 | F020A16H030 | 635 | F020A1HH030 | 630 | F020A26H030 | 635 | F020A2HH030 |
| 281 | F019B32D033 | 630 | F020A16H033 | 635 | F020A1HH033 | 630 | F020A26H033 | 635 | F020A2HH033 |
| 283 | F019B33D001 | 632 | F020A17H001 | 629 | F020A1JH001 | 632 | F020A27H001 | 629 | F020A2JH001 |
| 283 | F019B33D006 | 632 | F020A17H006 | 629 | F020A1JH006 | 632 | F020A27H006 | 629 | F020A2JH006 |
| 283 | F019B33D012 | 632 | F020A17H012 | 629 | F020A1JH012 | 632 | F020A27H012 | 629 | F020A2JH012 |
| 283 | F019B33D018 | 632 | F020A17H018 | 629 | F020A1JH018 | 632 | F020A27H018 | 629 | F020A2JH018 |
| 283 | F019B33D030 | 632 | F020A17H030 | 629 | F020A1JH030 | 632 | F020A27H030 | 629 | F020A2JH030 |
| 283 | F019B33D033 | 632 | F020A17H033 | 629 | F020A1JH033 | 632 | F020A27H033 | 629 | F020A2JH033 |
| 281 | F019B41D001 | 634 | F020A18H001 | 631 | F020A1KH001 | 634 | F020A28H001 | 631 | F020A2KH001 |
| 281 | F019B41D006 | 634 | F020A18H006 | 631 | F020A1KH006 | 634 | F020A28H006 | 631 | F020A2KH006 |
| 281 | F019B41D012 | 634 | F020A18H012 | 631 | F020A1KH012 | 634 | F020A28H012 | 631 | F020A2KH012 |
| 281 | F019B41D018 | 634 | F020A18H018 | 631 | F020A1KH018 | 634 | F020A28H018 | 631 | F020A2KH018 |
| 281 | F019B41D030 | 634 | F020A18H030 | 631 | F020A1KH030 | 634 | F020A28H030 | 631 | F020A2KH030 |
| 281 | F019B41D033 | 634 | F020A18H033 | 631 | F020A1KH033 | 634 | F020A28H033 | 631 | F020A2KH033 |
| 281 | F019B42D001 | 628 | F020A1AH001 | 633 | F020A1LH001 | 628 | F020A2AH001 | 633 | F020A2LH001 |
| 281 | F019B42D006 | 628 | F020A1AH006 | 633 | F020A1LH006 | 628 | F020A2AH006 | 633 | F020A2LH006 |
| 281 | F019B42D012 | 628 | F020A1AH012 | 633 | F020A1LH012 | 628 | F020A2AH012 | 633 | F020A2LH012 |
| 281 | F019B42D018 | 628 | F020A1AH018 | 633 | F020A1LH018 | 628 | F020A2AH018 | 633 | F020A2LH018 |
| 281 | F019B42D030 | 628 | F020A1AH030 | 633 | F020A1LH030 | 628 | F020A2AH030 | 633 | F020A2LH030 |
| 281 | F019B42D033 | 628 | F020A1AH033 | 633 | F020A1LH033 | 628 | F020A2AH033 | 633 | F020A2LH033 |
| 283 | F019B43D001 | 631 | F020A1BH001 | 635 | F020A1MH001 | 631 | F020A2BH001 | 635 | F020A2MH001 |
| 283 | F019B43D006 | 631 | F020A1BH006 | 635 | F020A1MH006 | 631 | F020A2BH006 | 635 | F020A2MH006 |
| 283 | F019B43D012 | 631 | F020A1BH012 | 635 | F020A1MH012 | 631 | F020A2BH012 | 635 | F020A2MH012 |

| Page | Reference | Page | Reference | Page | Reference | Page | Reference | Page | Reference |
|---|---|---|---|---|---|---|---|---|---|
| 635 | F020A2MH018 | 631 | F020A3BH018 | 635 | F020A3MH018 | 631 | F020A4BH018 | 635 | F020A4MH018 |
| 635 | F020A2MH030 | 631 | F020A3BH030 | 635 | F020A3MH030 | 631 | F020A4BH030 | 635 | F020A4MH030 |
| 635 | F020A2MH033 | 631 | F020A3BH033 | 635 | F020A3MH033 | 631 | F020A4BH033 | 635 | F020A4MH033 |
| 628 | F020A31H001 | 633 | F020A3CH001 | 628 | F020A41H001 | 633 | F020A4CH001 | 628 | F020B11H001 |
| 628 | F020A31H006 | 633 | F020A3CH006 | 628 | F020A41H006 | 633 | F020A4CH006 | 628 | F020B11H006 |
| 628 | F020A31H012 | 633 | F020A3CH012 | 628 | F020A41H012 | 633 | F020A4CH012 | 628 | F020B11H012 |
| 628 | F020A31H018 | 633 | F020A3CH018 | 628 | F020A41H018 | 633 | F020A4CH018 | 628 | F020B11H018 |
| 628 | F020A31H030 | 633 | F020A3CH030 | 628 | F020A41H030 | 633 | F020A4CH030 | 628 | F020B11H030 |
| 628 | F020A31H033 | 633 | F020A3CH033 | 628 | F020A41H033 | 633 | F020A4CH033 | 628 | F020B11H033 |
| 630 | F020A32H001 | 635 | F020A3DH001 | 630 | F020A42H001 | 635 | F020A4DH001 | 630 | F020B12H001 |
| 630 | F020A32H006 | 635 | F020A3DH006 | 630 | F020A42H006 | 635 | F020A4DH006 | 630 | F020B12H006 |
| 630 | F020A32H012 | 635 | F020A3DH012 | 630 | F020A42H012 | 635 | F020A4DH012 | 630 | F020B12H012 |
| 630 | F020A32H018 | 635 | F020A3DH018 | 630 | F020A42H018 | 635 | F020A4DH018 | 630 | F020B12H018 |
| 630 | F020A32H030 | 635 | F020A3DH030 | 630 | F020A42H030 | 635 | F020A4DH030 | 630 | F020B12H030 |
| 630 | F020A32H033 | 635 | F020A3DH033 | 630 | F020A42H033 | 635 | F020A4DH033 | 630 | F020B12H033 |
| 632 | F020A33H001 | 629 | F020A3EH001 | 632 | F020A43H001 | 629 | F020A4EH001 | 632 | F020B13H001 |
| 632 | F020A33H006 | 629 | F020A3EH006 | 632 | F020A43H006 | 629 | F020A4EH006 | 632 | F020B13H006 |
| 632 | F020A33H012 | 629 | F020A3EH012 | 632 | F020A43H012 | 629 | F020A4EH012 | 632 | F020B13H012 |
| 632 | F020A33H018 | 629 | F020A3EH018 | 632 | F020A43H018 | 629 | F020A4EH018 | 632 | F020B13H018 |
| 632 | F020A33H030 | 629 | F020A3EH030 | 632 | F020A43H030 | 629 | F020A4EH030 | 632 | F020B13H030 |
| 632 | F020A33H033 | 629 | F020A3EH033 | 632 | F020A43H033 | 629 | F020A4EH033 | 632 | F020B13H033 |
| 634 | F020A34H001 | 631 | F020A3FH001 | 634 | F020A44H001 | 631 | F020A4FH001 | 634 | F020B14H001 |
| 634 | F020A34H006 | 631 | F020A3FH006 | 634 | F020A44H006 | 631 | F020A4FH006 | 634 | F020B14H006 |
| 634 | F020A34H012 | 631 | F020A3FH012 | 634 | F020A44H012 | 631 | F020A4FH012 | 634 | F020B14H012 |
| 634 | F020A34H018 | 631 | F020A3FH018 | 634 | F020A44H018 | 631 | F020A4FH018 | 634 | F020B14H018 |
| 634 | F020A34H030 | 631 | F020A3FH030 | 634 | F020A44H030 | 631 | F020A4FH030 | 634 | F020B14H030 |
| 634 | F020A34H033 | 631 | F020A3FH033 | 634 | F020A44H033 | 631 | F020A4FH033 | 634 | F020B14H033 |
| 628 | F020A35H001 | 633 | F020A3GH001 | 628 | F020A45H001 | 633 | F020A4GH001 | 628 | F020B15H001 |
| 628 | F020A35H006 | 633 | F020A3GH006 | 628 | F020A45H006 | 633 | F020A4GH006 | 628 | F020B15H006 |
| 628 | F020A35H012 | 633 | F020A3GH012 | 628 | F020A45H012 | 633 | F020A4GH012 | 628 | F020B15H012 |
| 628 | F020A35H018 | 633 | F020A3GH018 | 628 | F020A45H018 | 633 | F020A4GH018 | 628 | F020B15H018 |
| 628 | F020A35H030 | 633 | F020A3GH030 | 628 | F020A45H030 | 633 | F020A4GH030 | 628 | F020B15H030 |
| 628 | F020A35H033 | 633 | F020A3GH033 | 628 | F020A45H033 | 633 | F020A4GH033 | 628 | F020B15H033 |
| 630 | F020A36H001 | 635 | F020A3HH001 | 630 | F020A46H001 | 635 | F020A4HH001 | 630 | F020B16H001 |
| 630 | F020A36H006 | 635 | F020A3HH006 | 630 | F020A46H006 | 635 | F020A4HH006 | 630 | F020B16H006 |
| 630 | F020A36H012 | 635 | F020A3HH012 | 630 | F020A46H012 | 635 | F020A4HH012 | 630 | F020B16H012 |
| 630 | F020A36H018 | 635 | F020A3HH018 | 630 | F020A46H018 | 635 | F020A4HH018 | 630 | F020B16H018 |
| 630 | F020A36H030 | 635 | F020A3HH030 | 630 | F020A46H030 | 635 | F020A4HH030 | 630 | F020B16H030 |
| 630 | F020A36H033 | 635 | F020A3HH033 | 630 | F020A46H033 | 635 | F020A4HH033 | 630 | F020B16H033 |
| 632 | F020A37H001 | 629 | F020A3JH001 | 632 | F020A47H001 | 629 | F020A4JH001 | 632 | F020B17H001 |
| 632 | F020A37H006 | 629 | F020A3JH006 | 632 | F020A47H006 | 629 | F020A4JH006 | 632 | F020B17H006 |
| 632 | F020A37H012 | 629 | F020A3JH012 | 632 | F020A47H012 | 629 | F020A4JH012 | 632 | F020B17H012 |
| 632 | F020A37H018 | 629 | F020A3JH018 | 632 | F020A47H018 | 629 | F020A4JH018 | 632 | F020B17H018 |
| 632 | F020A37H030 | 629 | F020A3JH030 | 632 | F020A47H030 | 629 | F020A4JH030 | 632 | F020B17H030 |
| 632 | F020A37H033 | 629 | F020A3JH033 | 632 | F020A47H033 | 629 | F020A4JH033 | 632 | F020B17H033 |
| 634 | F020A38H001 | 631 | F020A3KH001 | 634 | F020A48H001 | 631 | F020A4KH001 | 634 | F020B18H001 |
| 634 | F020A38H006 | 631 | F020A3KH006 | 634 | F020A48H006 | 631 | F020A4KH006 | 634 | F020B18H006 |
| 634 | F020A38H012 | 631 | F020A3KH012 | 634 | F020A48H012 | 631 | F020A4KH012 | 634 | F020B18H012 |
| 634 | F020A38H018 | 631 | F020A3KH018 | 634 | F020A48H018 | 631 | F020A4KH018 | 634 | F020B18H018 |
| 634 | F020A38H030 | 631 | F020A3KH030 | 634 | F020A48H030 | 631 | F020A4KH030 | 634 | F020B18H030 |
| 634 | F020A38H033 | 631 | F020A3KH033 | 634 | F020A48H033 | 631 | F020A4KH033 | 634 | F020B18H033 |
| 628 | F020A3AH001 | 633 | F020A3LH001 | 628 | F020A4AH001 | 633 | F020A4LH001 | 628 | F020B1AH001 |
| 628 | F020A3AH006 | 633 | F020A3LH006 | 628 | F020A4AH006 | 633 | F020A4LH006 | 628 | F020B1AH006 |
| 628 | F020A3AH012 | 633 | F020A3LH012 | 628 | F020A4AH012 | 633 | F020A4LH012 | 628 | F020B1AH012 |
| 628 | F020A3AH018 | 633 | F020A3LH018 | 628 | F020A4AH018 | 633 | F020A4LH018 | 628 | F020B1AH018 |
| 628 | F020A3AH030 | 633 | F020A3LH030 | 628 | F020A4AH030 | 633 | F020A4LH030 | 628 | F020B1AH030 |
| 628 | F020A3AH033 | 633 | F020A3LH033 | 628 | F020A4AH033 | 633 | F020A4LH033 | 628 | F020B1AH033 |
| 631 | F020A3BH001 | 635 | F020A3MH001 | 631 | F020A4BH001 | 635 | F020A4MH001 | 631 | F020B1BH001 |
| 631 | F020A3BH006 | 635 | F020A3MH006 | 631 | F020A4BH006 | 635 | F020A4MH006 | 631 | F020B1BH006 |
| 631 | F020A3BH012 | 635 | F020A3MH012 | 631 | F020A4BH012 | 635 | F020A4MH012 | 631 | F020B1BH012 |

| Page | Reference | Page | Reference | Page | Reference | Page | Reference | Page | Reference |
|---|---|---|---|---|---|---|---|---|---|
| 631 | F020B1BH018 | 635 | F020B1MH018 | 631 | F020B2BH018 | 635 | F020B2MH018 | 631 | F020B3BH018 |
| 631 | F020B1BH030 | 635 | F020B1MH030 | 631 | F020B2BH030 | 635 | F020B2MH030 | 631 | F020B3BH030 |
| 631 | F020B1BH033 | 635 | F020B1MH033 | 631 | F020B2BH033 | 635 | F020B2MH033 | 631 | F020B3BH033 |
| 633 | F020B1CH001 | 628 | F020B21H001 | 633 | F020B2CH001 | 628 | F020B31H001 | 633 | F020B3CH001 |
| 633 | F020B1CH006 | 628 | F020B21H006 | 633 | F020B2CH006 | 628 | F020B31H006 | 633 | F020B3CH006 |
| 633 | F020B1CH012 | 628 | F020B21H012 | 633 | F020B2CH012 | 628 | F020B31H012 | 633 | F020B3CH012 |
| 633 | F020B1CH018 | 628 | F020B21H018 | 633 | F020B2CH018 | 628 | F020B31H018 | 633 | F020B3CH018 |
| 633 | F020B1CH030 | 628 | F020B21H030 | 633 | F020B2CH030 | 628 | F020B31H030 | 633 | F020B3CH030 |
| 633 | F020B1CH033 | 628 | F020B21H033 | 633 | F020B2CH033 | 628 | F020B31H033 | 633 | F020B3CH033 |
| 635 | F020B1DH001 | 630 | F020B22H001 | 635 | F020B2DH001 | 630 | F020B32H001 | 635 | F020B3DH001 |
| 635 | F020B1DH006 | 630 | F020B22H006 | 635 | F020B2DH006 | 630 | F020B32H006 | 635 | F020B3DH006 |
| 635 | F020B1DH012 | 630 | F020B22H012 | 635 | F020B2DH012 | 630 | F020B32H012 | 635 | F020B3DH012 |
| 635 | F020B1DH018 | 630 | F020B22H018 | 635 | F020B2DH018 | 630 | F020B32H018 | 635 | F020B3DH018 |
| 635 | F020B1DH030 | 630 | F020B22H030 | 635 | F020B2DH030 | 630 | F020B32H030 | 635 | F020B3DH030 |
| 635 | F020B1DH033 | 630 | F020B22H033 | 635 | F020B2DH033 | 630 | F020B32H033 | 635 | F020B3DH033 |
| 629 | F020B1EH001 | 632 | F020B23H001 | 629 | F020B2EH001 | 632 | F020B33H001 | 629 | F020B3EH001 |
| 629 | F020B1EH006 | 632 | F020B23H006 | 629 | F020B2EH006 | 632 | F020B33H006 | 629 | F020B3EH006 |
| 629 | F020B1EH012 | 632 | F020B23H012 | 629 | F020B2EH012 | 632 | F020B33H012 | 629 | F020B3EH012 |
| 629 | F020B1EH018 | 632 | F020B23H018 | 629 | F020B2EH018 | 632 | F020B33H018 | 629 | F020B3EH018 |
| 629 | F020B1EH030 | 632 | F020B23H030 | 629 | F020B2EH030 | 632 | F020B33H030 | 629 | F020B3EH030 |
| 629 | F020B1EH033 | 632 | F020B23H033 | 629 | F020B2EH033 | 632 | F020B33H033 | 629 | F020B3EH033 |
| 631 | F020B1FH001 | 634 | F020B24H001 | 631 | F020B2FH001 | 634 | F020B34H001 | 631 | F020B3FH001 |
| 631 | F020B1FH006 | 634 | F020B24H006 | 631 | F020B2FH006 | 634 | F020B34H006 | 631 | F020B3FH006 |
| 631 | F020B1FH012 | 634 | F020B24H012 | 631 | F020B2FH012 | 634 | F020B34H012 | 631 | F020B3FH012 |
| 631 | F020B1FH018 | 634 | F020B24H018 | 631 | F020B2FH018 | 634 | F020B34H018 | 631 | F020B3FH018 |
| 631 | F020B1FH030 | 634 | F020B24H030 | 631 | F020B2FH030 | 634 | F020B34H030 | 631 | F020B3FH030 |
| 631 | F020B1FH033 | 634 | F020B24H033 | 631 | F020B2FH033 | 634 | F020B34H033 | 631 | F020B3FH033 |
| 633 | F020B1GH001 | 628 | F020B25H001 | 633 | F020B2GH001 | 628 | F020B35H001 | 633 | F020B3GH001 |
| 633 | F020B1GH006 | 628 | F020B25H006 | 633 | F020B2GH006 | 628 | F020B35H006 | 633 | F020B3GH006 |
| 633 | F020B1GH012 | 628 | F020B25H012 | 633 | F020B2GH012 | 628 | F020B35H012 | 633 | F020B3GH012 |
| 633 | F020B1GH018 | 628 | F020B25H018 | 633 | F020B2GH018 | 628 | F020B35H018 | 633 | F020B3GH018 |
| 633 | F020B1GH030 | 628 | F020B25H030 | 633 | F020B2GH030 | 628 | F020B35H030 | 633 | F020B3GH030 |
| 633 | F020B1GH033 | 628 | F020B25H033 | 633 | F020B2GH033 | 628 | F020B35H033 | 633 | F020B3GH033 |
| 635 | F020B1HH001 | 630 | F020B26H001 | 635 | F020B2HH001 | 630 | F020B36H001 | 635 | F020B3HH001 |
| 635 | F020B1HH006 | 630 | F020B26H006 | 635 | F020B2HH006 | 630 | F020B36H006 | 635 | F020B3HH006 |
| 635 | F020B1HH012 | 630 | F020B26H012 | 635 | F020B2HH012 | 630 | F020B36H012 | 635 | F020B3HH012 |
| 635 | F020B1HH018 | 630 | F020B26H018 | 635 | F020B2HH018 | 630 | F020B36H018 | 635 | F020B3HH018 |
| 635 | F020B1HH030 | 630 | F020B26H030 | 635 | F020B2HH030 | 630 | F020B36H030 | 635 | F020B3HH030 |
| 635 | F020B1HH033 | 630 | F020B26H033 | 635 | F020B2HH033 | 630 | F020B36H033 | 635 | F020B3HH033 |
| 629 | F020B1JH001 | 632 | F020B27H001 | 629 | F020B2JH001 | 632 | F020B37H001 | 629 | F020B3JH001 |
| 629 | F020B1JH006 | 632 | F020B27H006 | 629 | F020B2JH006 | 632 | F020B37H006 | 629 | F020B3JH006 |
| 629 | F020B1JH012 | 632 | F020B27H012 | 629 | F020B2JH012 | 632 | F020B37H012 | 629 | F020B3JH012 |
| 629 | F020B1JH018 | 632 | F020B27H018 | 629 | F020B2JH018 | 632 | F020B37H018 | 629 | F020B3JH018 |
| 629 | F020B1JH030 | 632 | F020B27H030 | 629 | F020B2JH030 | 632 | F020B37H030 | 629 | F020B3JH030 |
| 629 | F020B1JH033 | 632 | F020B27H033 | 629 | F020B2JH033 | 632 | F020B37H033 | 629 | F020B3JH033 |
| 631 | F020B1KH001 | 634 | F020B28H001 | 631 | F020B2KH001 | 634 | F020B38H001 | 631 | F020B3KH001 |
| 631 | F020B1KH006 | 634 | F020B28H006 | 631 | F020B2KH006 | 634 | F020B38H006 | 631 | F020B3KH006 |
| 631 | F020B1KH012 | 634 | F020B28H012 | 631 | F020B2KH012 | 634 | F020B38H012 | 631 | F020B3KH012 |
| 631 | F020B1KH018 | 634 | F020B28H018 | 631 | F020B2KH018 | 634 | F020B38H018 | 631 | F020B3KH018 |
| 631 | F020B1KH030 | 634 | F020B28H030 | 631 | F020B2KH030 | 634 | F020B38H030 | 631 | F020B3KH030 |
| 631 | F020B1KH033 | 634 | F020B28H033 | 631 | F020B2KH033 | 634 | F020B38H033 | 631 | F020B3KH033 |
| 633 | F020B1LH001 | 628 | F020B2AH001 | 633 | F020B2LH001 | 628 | F020B3AH001 | 633 | F020B3LH001 |
| 633 | F020B1LH006 | 628 | F020B2AH006 | 633 | F020B2LH006 | 628 | F020B3AH006 | 633 | F020B3LH006 |
| 633 | F020B1LH012 | 628 | F020B2AH012 | 633 | F020B2LH012 | 628 | F020B3AH012 | 633 | F020B3LH012 |
| 633 | F020B1LH018 | 628 | F020B2AH018 | 633 | F020B2LH018 | 628 | F020B3AH018 | 633 | F020B3LH018 |
| 633 | F020B1LH030 | 628 | F020B2AH030 | 633 | F020B2LH030 | 628 | F020B3AH030 | 633 | F020B3LH030 |
| 633 | F020B1LH033 | 628 | F020B2AH033 | 633 | F020B2LH033 | 628 | F020B3AH033 | 633 | F020B3LH033 |
| 635 | F020B1MH001 | 631 | F020B2BH001 | 635 | F020B2MH001 | 631 | F020B3BH001 | 635 | F020B3MH001 |
| 635 | F020B1MH006 | 631 | F020B2BH006 | 635 | F020B2MH006 | 631 | F020B3BH006 | 635 | F020B3MH006 |
| 635 | F020B1MH012 | 631 | F020B2BH012 | 635 | F020B2MH012 | 631 | F020B3BH012 | 635 | F020B3MH012 |

| Page | Reference | Page | Reference | Page | Reference | Page | Reference | Page | Reference |
|---|---|---|---|---|---|---|---|---|---|
| 635 | F020B3MH018 | 631 | F020B4BH018 | 635 | F020B4MH018 | 631 | F020C1FH018 | 632 | F020C27H018 |
| 635 | F020B3MH030 | 631 | F020B4BH030 | 635 | F020B4MH030 | 631 | F020C1FH030 | 632 | F020C27H030 |
| 635 | F020B3MH033 | 631 | F020B4BH033 | 635 | F020B4MH033 | 631 | F020C1FH033 | 632 | F020C27H033 |
| 628 | F020B41H001 | 633 | F020B4CH001 | 630 | F020C12H001 | 633 | F020C1GH001 | 634 | F020C28H001 |
| 628 | F020B41H006 | 633 | F020B4CH006 | 630 | F020C12H006 | 633 | F020C1GH006 | 634 | F020C28H006 |
| 628 | F020B41H012 | 633 | F020B4CH012 | 630 | F020C12H012 | 633 | F020C1GH012 | 634 | F020C28H012 |
| 628 | F020B41H018 | 633 | F020B4CH018 | 630 | F020C12H018 | 633 | F020C1GH018 | 634 | F020C28H018 |
| 628 | F020B41H030 | 633 | F020B4CH030 | 630 | F020C12H030 | 633 | F020C1GH030 | 634 | F020C28H030 |
| 628 | F020B41H033 | 633 | F020B4CH033 | 630 | F020C12H033 | 633 | F020C1GH033 | 634 | F020C28H033 |
| 630 | F020B42H001 | 635 | F020B4DH001 | 632 | F020C13H001 | 635 | F020C1HH001 | 631 | F020C2BH001 |
| 630 | F020B42H006 | 635 | F020B4DH006 | 632 | F020C13H006 | 635 | F020C1HH006 | 631 | F020C2BH006 |
| 630 | F020B42H012 | 635 | F020B4DH012 | 632 | F020C13H012 | 635 | F020C1HH012 | 631 | F020C2BH012 |
| 630 | F020B42H018 | 635 | F020B4DH018 | 632 | F020C13H018 | 635 | F020C1HH018 | 631 | F020C2BH018 |
| 630 | F020B42H030 | 635 | F020B4DH030 | 632 | F020C13H030 | 635 | F020C1HH030 | 631 | F020C2BH030 |
| 630 | F020B42H033 | 635 | F020B4DH033 | 632 | F020C13H033 | 635 | F020C1HH033 | 631 | F020C2BH033 |
| 632 | F020B43H001 | 629 | F020B4EH001 | 634 | F020C14H001 | 631 | F020C1KH001 | 633 | F020C2CH001 |
| 632 | F020B43H006 | 629 | F020B4EH006 | 634 | F020C14H006 | 631 | F020C1KH006 | 633 | F020C2CH006 |
| 632 | F020B43H012 | 629 | F020B4EH012 | 634 | F020C14H012 | 631 | F020C1KH012 | 633 | F020C2CH012 |
| 632 | F020B43H018 | 629 | F020B4EH018 | 634 | F020C14H018 | 631 | F020C1KH018 | 633 | F020C2CH018 |
| 632 | F020B43H030 | 629 | F020B4EH030 | 634 | F020C14H030 | 631 | F020C1KH030 | 633 | F020C2CH030 |
| 632 | F020B43H033 | 629 | F020B4EH033 | 634 | F020C14H033 | 631 | F020C1KH033 | 633 | F020C2CH033 |
| 634 | F020B44H001 | 631 | F020B4FH001 | 630 | F020C16H001 | 633 | F020C1LH001 | 635 | F020C2DH001 |
| 634 | F020B44H006 | 631 | F020B4FH006 | 630 | F020C16H006 | 633 | F020C1LH006 | 635 | F020C2DH006 |
| 634 | F020B44H012 | 631 | F020B4FH012 | 630 | F020C16H012 | 633 | F020C1LH012 | 635 | F020C2DH012 |
| 634 | F020B44H018 | 631 | F020B4FH018 | 630 | F020C16H018 | 633 | F020C1LH018 | 635 | F020C2DH018 |
| 634 | F020B44H030 | 631 | F020B4FH030 | 630 | F020C16H030 | 633 | F020C1LH030 | 635 | F020C2DH030 |
| 634 | F020B44H033 | 631 | F020B4FH033 | 630 | F020C16H033 | 633 | F020C1LH033 | 635 | F020C2DH033 |
| 628 | F020B45H001 | 633 | F020B4GH001 | 632 | F020C17H001 | 635 | F020C1MH001 | 631 | F020C2FH001 |
| 628 | F020B45H006 | 633 | F020B4GH006 | 632 | F020C17H006 | 635 | F020C1MH006 | 631 | F020C2FH006 |
| 628 | F020B45H012 | 633 | F020B4GH012 | 632 | F020C17H012 | 635 | F020C1MH012 | 631 | F020C2FH012 |
| 628 | F020B45H018 | 633 | F020B4GH018 | 632 | F020C17H018 | 635 | F020C1MH018 | 631 | F020C2FH018 |
| 628 | F020B45H030 | 633 | F020B4GH030 | 632 | F020C17H030 | 635 | F020C1MH030 | 631 | F020C2FH030 |
| 628 | F020B45H033 | 633 | F020B4GH033 | 632 | F020C17H033 | 635 | F020C1MH033 | 631 | F020C2FH033 |
| 630 | F020B46H001 | 635 | F020B4HH001 | 634 | F020C18H001 | 630 | F020C22H001 | 633 | F020C2GH001 |
| 630 | F020B46H006 | 635 | F020B4HH006 | 634 | F020C18H006 | 630 | F020C22H006 | 633 | F020C2GH006 |
| 630 | F020B46H012 | 635 | F020B4HH012 | 634 | F020C18H012 | 630 | F020C22H012 | 633 | F020C2GH012 |
| 630 | F020B46H018 | 635 | F020B4HH018 | 634 | F020C18H018 | 630 | F020C22H018 | 633 | F020C2GH018 |
| 630 | F020B46H030 | 635 | F020B4HH030 | 634 | F020C18H030 | 630 | F020C22H030 | 633 | F020C2GH030 |
| 630 | F020B46H033 | 635 | F020B4HH033 | 634 | F020C18H033 | 630 | F020C22H033 | 633 | F020C2GH033 |
| 632 | F020B47H001 | 629 | F020B4JH001 | 631 | F020C1BH001 | 632 | F020C23H001 | 635 | F020C2HH001 |
| 632 | F020B47H006 | 629 | F020B4JH006 | 631 | F020C1BH006 | 632 | F020C23H006 | 635 | F020C2HH006 |
| 632 | F020B47H012 | 629 | F020B4JH012 | 631 | F020C1BH012 | 632 | F020C23H012 | 635 | F020C2HH012 |
| 632 | F020B47H018 | 629 | F020B4JH018 | 631 | F020C1BH018 | 632 | F020C23H018 | 635 | F020C2HH018 |
| 632 | F020B47H030 | 629 | F020B4JH030 | 631 | F020C1BH030 | 632 | F020C23H030 | 635 | F020C2HH030 |
| 632 | F020B47H033 | 629 | F020B4JH033 | 631 | F020C1BH033 | 632 | F020C23H033 | 635 | F020C2HH033 |
| 634 | F020B48H001 | 631 | F020B4KH001 | 633 | F020C1CH001 | 634 | F020C24H001 | 631 | F020C2KH001 |
| 634 | F020B48H006 | 631 | F020B4KH006 | 633 | F020C1CH006 | 634 | F020C24H006 | 631 | F020C2KH006 |
| 634 | F020B48H012 | 631 | F020B4KH012 | 633 | F020C1CH012 | 634 | F020C24H012 | 631 | F020C2KH012 |
| 634 | F020B48H018 | 631 | F020B4KH018 | 633 | F020C1CH018 | 634 | F020C24H018 | 631 | F020C2KH018 |
| 634 | F020B48H030 | 631 | F020B4KH030 | 633 | F020C1CH030 | 634 | F020C24H030 | 631 | F020C2KH030 |
| 634 | F020B48H033 | 631 | F020B4KH033 | 633 | F020C1CH033 | 634 | F020C24H033 | 631 | F020C2KH033 |
| 628 | F020B4AH001 | 633 | F020B4LH001 | 635 | F020C1DH001 | 630 | F020C26H001 | 633 | F020C2LH001 |
| 628 | F020B4AH006 | 633 | F020B4LH006 | 635 | F020C1DH006 | 630 | F020C26H006 | 633 | F020C2LH006 |
| 628 | F020B4AH012 | 633 | F020B4LH012 | 635 | F020C1DH012 | 630 | F020C26H012 | 633 | F020C2LH012 |
| 628 | F020B4AH018 | 633 | F020B4LH018 | 635 | F020C1DH018 | 630 | F020C26H018 | 633 | F020C2LH018 |
| 628 | F020B4AH030 | 633 | F020B4LH030 | 635 | F020C1DH030 | 630 | F020C26H030 | 633 | F020C2LH030 |
| 628 | F020B4AH033 | 633 | F020B4LH033 | 635 | F020C1DH033 | 630 | F020C26H033 | 633 | F020C2LH033 |
| 631 | F020B4BH001 | 635 | F020B4MH001 | 631 | F020C1FH001 | 632 | F020C27H001 | 635 | F020C2MH001 |
| 631 | F020B4BH006 | 635 | F020B4MH006 | 631 | F020C1FH006 | 632 | F020C27H006 | 635 | F020C2MH006 |
| 631 | F020B4BH012 | 635 | F020B4MH012 | 631 | F020C1FH012 | 632 | F020C27H012 | 635 | F020C2MH012 |

| Page | Reference | Page | Reference | Page | Reference | Page | Reference | Page | Reference |
|---|---|---|---|---|---|---|---|---|---|
| 635 | F020C2MH018 | 631 | F020C3FH018 | 632 | F020C47H018 | 635 | F020C4MH018 | 637 | F020G4KH018 |
| 635 | F020C2MH030 | 631 | F020C3FH030 | 632 | F020C47H030 | 635 | F020C4MH030 | 637 | F020G4KH030 |
| 635 | F020C2MH033 | 631 | F020C3FH033 | 632 | F020C47H033 | 635 | F020C4MH033 | 637 | F020G4KH033 |
| 630 | F020C32H001 | 633 | F020C3GH001 | 634 | F020C48H001 | 636 | F020G2JH001 | 638 | F020G4LH001 |
| 630 | F020C32H006 | 633 | F020C3GH006 | 634 | F020C48H006 | 636 | F020G2JH006 | 638 | F020G4LH006 |
| 630 | F020C32H012 | 633 | F020C3GH012 | 634 | F020C48H012 | 636 | F020G2JH012 | 638 | F020G4LH012 |
| 630 | F020C32H018 | 633 | F020C3GH018 | 634 | F020C48H018 | 636 | F020G2JH018 | 638 | F020G4LH018 |
| 630 | F020C32H030 | 633 | F020C3GH030 | 634 | F020C48H030 | 636 | F020G2JH030 | 638 | F020G4LH030 |
| 630 | F020C32H033 | 633 | F020C3GH033 | 634 | F020C48H033 | 636 | F020G2JH033 | 638 | F020G4LH033 |
| 632 | F020C33H001 | 635 | F020C3HH001 | 631 | F020C4BH001 | 637 | F020G2KH001 | 639 | F020G4MH001 |
| 632 | F020C33H006 | 635 | F020C3HH006 | 631 | F020C4BH006 | 637 | F020G2KH006 | 639 | F020G4MH006 |
| 632 | F020C33H012 | 635 | F020C3HH012 | 631 | F020C4BH012 | 637 | F020G2KH012 | 639 | F020G4MH012 |
| 632 | F020C33H018 | 635 | F020C3HH018 | 631 | F020C4BH018 | 637 | F020G2KH018 | 639 | F020G4MH018 |
| 632 | F020C33H030 | 635 | F020C3HH030 | 631 | F020C4BH030 | 637 | F020G2KH030 | 639 | F020G4MH030 |
| 632 | F020C33H033 | 635 | F020C3HH033 | 631 | F020C4BH033 | 637 | F020G2KH033 | 639 | F020G4MH033 |
| 634 | F020C34H001 | 631 | F020C3KH001 | 633 | F020C4CH001 | 638 | F020G2LH001 | 636 | F020GTJH001 |
| 634 | F020C34H006 | 631 | F020C3KH006 | 633 | F020C4CH006 | 638 | F020G2LH006 | 636 | F020GTJH006 |
| 634 | F020C34H012 | 631 | F020C3KH012 | 633 | F020C4CH012 | 638 | F020G2LH012 | 636 | F020GTJH012 |
| 634 | F020C34H018 | 631 | F020C3KH018 | 633 | F020C4CH018 | 638 | F020G2LH018 | 636 | F020GTJH018 |
| 634 | F020C34H030 | 631 | F020C3KH030 | 633 | F020C4CH030 | 638 | F020G2LH030 | 636 | F020GTJH030 |
| 634 | F020C34H033 | 631 | F020C3KH033 | 633 | F020C4CH033 | 638 | F020G2LH033 | 636 | F020GTJH033 |
| 630 | F020C36H001 | 633 | F020C3LH001 | 635 | F020C4DH001 | 639 | F020G2MH001 | 637 | F020GTKH001 |
| 630 | F020C36H006 | 633 | F020C3LH006 | 635 | F020C4DH006 | 639 | F020G2MH006 | 637 | F020GTKH006 |
| 630 | F020C36H012 | 633 | F020C3LH012 | 635 | F020C4DH012 | 639 | F020G2MH012 | 637 | F020GTKH012 |
| 630 | F020C36H018 | 633 | F020C3LH018 | 635 | F020C4DH018 | 639 | F020G2MH018 | 637 | F020GTKH018 |
| 630 | F020C36H030 | 633 | F020C3LH030 | 635 | F020C4DH030 | 639 | F020G2MH030 | 637 | F020GTKH030 |
| 630 | F020C36H033 | 633 | F020C3LH033 | 635 | F020C4DH033 | 639 | F020G2MH033 | 637 | F020GTKH033 |
| 632 | F020C37H001 | 635 | F020C3MH001 | 631 | F020C4FH001 | 636 | F020G3JH001 | 638 | F020GTLH001 |
| 632 | F020C37H006 | 635 | F020C3MH006 | 631 | F020C4FH006 | 636 | F020G3JH006 | 638 | F020GTLH006 |
| 632 | F020C37H012 | 635 | F020C3MH012 | 631 | F020C4FH012 | 636 | F020G3JH012 | 638 | F020GTLH012 |
| 632 | F020C37H018 | 635 | F020C3MH018 | 631 | F020C4FH018 | 636 | F020G3JH018 | 638 | F020GTLH018 |
| 632 | F020C37H030 | 635 | F020C3MH030 | 631 | F020C4FH030 | 636 | F020G3JH030 | 638 | F020GTLH030 |
| 632 | F020C37H033 | 635 | F020C3MH033 | 631 | F020C4FH033 | 636 | F020G3JH033 | 638 | F020GTLH033 |
| 634 | F020C38H001 | 630 | F020C42H001 | 633 | F020C4GH001 | 637 | F020G3KH001 | 639 | F020GTMH001 |
| 634 | F020C38H006 | 630 | F020C42H006 | 633 | F020C4GH006 | 637 | F020G3KH006 | 639 | F020GTMH006 |
| 634 | F020C38H012 | 630 | F020C42H012 | 633 | F020C4GH012 | 637 | F020G3KH012 | 639 | F020GTMH012 |
| 634 | F020C38H018 | 630 | F020C42H018 | 633 | F020C4GH018 | 637 | F020G3KH018 | 639 | F020GTMH018 |
| 634 | F020C38H030 | 630 | F020C42H030 | 633 | F020C4GH030 | 637 | F020G3KH030 | 639 | F020GTMH030 |
| 634 | F020C38H033 | 630 | F020C42H033 | 633 | F020C4GH033 | 637 | F020G3KH033 | 639 | F020GTMH033 |
| 631 | F020C3BH001 | 632 | F020C43H001 | 635 | F020C4HH001 | 638 | F020G3LH001 | 636 | F020H2JH001 |
| 631 | F020C3BH006 | 632 | F020C43H006 | 635 | F020C4HH006 | 638 | F020G3LH006 | 636 | F020H2JH006 |
| 631 | F020C3BH012 | 632 | F020C43H012 | 635 | F020C4HH012 | 638 | F020G3LH012 | 636 | F020H2JH012 |
| 631 | F020C3BH018 | 632 | F020C43H018 | 635 | F020C4HH018 | 638 | F020G3LH018 | 636 | F020H2JH018 |
| 631 | F020C3BH030 | 632 | F020C43H030 | 635 | F020C4HH030 | 638 | F020G3LH030 | 636 | F020H2JH030 |
| 631 | F020C3BH033 | 632 | F020C43H033 | 635 | F020C4HH033 | 638 | F020G3LH033 | 636 | F020H2JH033 |
| 633 | F020C3CH001 | 634 | F020C44H001 | 631 | F020C4KH001 | 639 | F020G3MH001 | 637 | F020H2KH001 |
| 633 | F020C3CH006 | 634 | F020C44H006 | 631 | F020C4KH006 | 639 | F020G3MH006 | 637 | F020H2KH006 |
| 633 | F020C3CH012 | 634 | F020C44H012 | 631 | F020C4KH012 | 639 | F020G3MH012 | 637 | F020H2KH012 |
| 633 | F020C3CH018 | 634 | F020C44H018 | 631 | F020C4KH018 | 639 | F020G3MH018 | 637 | F020H2KH018 |
| 633 | F020C3CH030 | 634 | F020C44H030 | 631 | F020C4KH030 | 639 | F020G3MH030 | 637 | F020H2KH030 |
| 633 | F020C3CH033 | 634 | F020C44H033 | 631 | F020C4KH033 | 639 | F020G3MH033 | 637 | F020H2KH033 |
| 635 | F020C3DH001 | 630 | F020C46H001 | 633 | F020C4LH001 | 636 | F020G4JH001 | 638 | F020H2LH001 |
| 635 | F020C3DH006 | 630 | F020C46H006 | 633 | F020C4LH006 | 636 | F020G4JH006 | 638 | F020H2LH006 |
| 635 | F020C3DH012 | 630 | F020C46H012 | 633 | F020C4LH012 | 636 | F020G4JH012 | 638 | F020H2LH012 |
| 635 | F020C3DH018 | 630 | F020C46H018 | 633 | F020C4LH018 | 636 | F020G4JH018 | 638 | F020H2LH018 |
| 635 | F020C3DH030 | 630 | F020C46H030 | 633 | F020C4LH030 | 636 | F020G4JH030 | 638 | F020H2LH030 |
| 635 | F020C3DH033 | 630 | F020C46H033 | 633 | F020C4LH033 | 636 | F020G4JH033 | 638 | F020H2LH033 |
| 631 | F020C3FH001 | 632 | F020C47H001 | 635 | F020C4MH001 | 637 | F020G4KH001 | 639 | F020H2MH001 |
| 631 | F020C3FH006 | 632 | F020C47H006 | 635 | F020C4MH006 | 637 | F020G4KH006 | 639 | F020H2MH006 |
| 631 | F020C3FH012 | 632 | F020C47H012 | 635 | F020C4MH012 | 637 | F020G4KH012 | 639 | F020H2MH012 |

| Page | Reference | Page | Reference | Page | Reference | Page | Reference | Page | Reference |
|---|---|---|---|---|---|---|---|---|---|
| 639 | F020H2MH018 | 637 | F020HTKH018 | 638 | F020J4LH018 | 646 | F021A16A018 | 651 | F021A1HA018 |
| 639 | F020H2MH030 | 637 | F020HTKH030 | 638 | F020J4LH030 | 646 | F021A16A030 | 651 | F021A1HA030 |
| 639 | F020H2MH033 | 637 | F020HTKH033 | 638 | F020J4LH033 | 646 | F021A16A033 | 651 | F021A1HA033 |
| 636 | F020H3JH001 | 638 | F020HTLH001 | 639 | F020J4MH001 | 648 | F021A17A001 | 645 | F021A1JA001 |
| 636 | F020H3JH006 | 638 | F020HTLH006 | 639 | F020J4MH006 | 648 | F021A17A006 | 645 | F021A1JA006 |
| 636 | F020H3JH012 | 638 | F020HTLH012 | 639 | F020J4MH012 | 648 | F021A17A012 | 645 | F021A1JA012 |
| 636 | F020H3JH018 | 638 | F020HTLH018 | 639 | F020J4MH018 | 648 | F021A17A018 | 645 | F021A1JA018 |
| 636 | F020H3JH030 | 638 | F020HTLH030 | 639 | F020J4MH030 | 648 | F021A17A030 | 645 | F021A1JA030 |
| 636 | F020H3JH033 | 638 | F020HTLH033 | 639 | F020J4MH033 | 648 | F021A17A033 | 645 | F021A1JA033 |
| 637 | F020H3KH001 | 639 | F020HTMH001 | 637 | F020JTKH001 | 650 | F021A18A001 | 647 | F021A1KA001 |
| 637 | F020H3KH006 | 639 | F020HTMH006 | 637 | F020JTKH006 | 650 | F021A18A006 | 647 | F021A1KA006 |
| 637 | F020H3KH012 | 639 | F020HTMH012 | 637 | F020JTKH012 | 650 | F021A18A012 | 647 | F021A1KA012 |
| 637 | F020H3KH018 | 639 | F020HTMH018 | 637 | F020JTKH018 | 650 | F021A18A018 | 647 | F021A1KA018 |
| 637 | F020H3KH030 | 639 | F020HTMH030 | 637 | F020JTKH030 | 650 | F021A18A030 | 647 | F021A1KA030 |
| 637 | F020H3KH033 | 639 | F020HTMH033 | 637 | F020JTKH033 | 650 | F021A18A033 | 647 | F021A1KA033 |
| 638 | F020H3LH001 | 637 | F020J2KH001 | 638 | F020JTLH001 | 644 | F021A1AA001 | 649 | F021A1LA001 |
| 638 | F020H3LH006 | 637 | F020J2KH006 | 638 | F020JTLH006 | 644 | F021A1AA006 | 649 | F021A1LA006 |
| 638 | F020H3LH012 | 637 | F020J2KH012 | 638 | F020JTLH012 | 644 | F021A1AA012 | 649 | F021A1LA012 |
| 638 | F020H3LH018 | 637 | F020J2KH018 | 638 | F020JTLH018 | 644 | F021A1AA018 | 649 | F021A1LA018 |
| 638 | F020H3LH030 | 637 | F020J2KH030 | 638 | F020JTLH030 | 644 | F021A1AA030 | 649 | F021A1LA030 |
| 638 | F020H3LH033 | 637 | F020J2KH033 | 638 | F020JTLH033 | 644 | F021A1AA033 | 649 | F021A1LA033 |
| 639 | F020H3MH001 | 638 | F020J2LH001 | 639 | F020JTMH001 | 647 | F021A1BA001 | 651 | F021A1MA001 |
| 639 | F020H3MH006 | 638 | F020J2LH006 | 639 | F020JTMH006 | 647 | F021A1BA006 | 651 | F021A1MA006 |
| 639 | F020H3MH012 | 638 | F020J2LH012 | 639 | F020JTMH012 | 647 | F021A1BA012 | 651 | F021A1MA012 |
| 639 | F020H3MH018 | 638 | F020J2LH018 | 639 | F020JTMH018 | 647 | F021A1BA018 | 651 | F021A1MA018 |
| 639 | F020H3MH030 | 638 | F020J2LH030 | 639 | F020JTMH030 | 647 | F021A1BA030 | 651 | F021A1MA030 |
| 639 | F020H3MH033 | 638 | F020J2LH033 | 639 | F020JTMH033 | 647 | F021A1BA033 | 651 | F021A1MA033 |
| 636 | F020H4JH001 | 639 | F020J2MH001 | 644 | F021A11A001 | 649 | F021A1CA001 | 644 | F021A21A001 |
| 636 | F020H4JH006 | 639 | F020J2MH006 | 644 | F021A11A006 | 649 | F021A1CA006 | 644 | F021A21A006 |
| 636 | F020H4JH012 | 639 | F020J2MH012 | 644 | F021A11A012 | 649 | F021A1CA012 | 644 | F021A21A012 |
| 636 | F020H4JH018 | 639 | F020J2MH018 | 644 | F021A11A018 | 649 | F021A1CA018 | 644 | F021A21A018 |
| 636 | F020H4JH030 | 639 | F020J2MH030 | 644 | F021A11A030 | 649 | F021A1CA030 | 644 | F021A21A030 |
| 636 | F020H4JH033 | 639 | F020J2MH033 | 644 | F021A11A033 | 649 | F021A1CA033 | 644 | F021A21A033 |
| 637 | F020H4KH001 | 637 | F020J3KH001 | 646 | F021A12A001 | 651 | F021A1DA001 | 646 | F021A22A001 |
| 637 | F020H4KH006 | 637 | F020J3KH006 | 646 | F021A12A006 | 651 | F021A1DA006 | 646 | F021A22A006 |
| 637 | F020H4KH012 | 637 | F020J3KH012 | 646 | F021A12A012 | 651 | F021A1DA012 | 646 | F021A22A012 |
| 637 | F020H4KH018 | 637 | F020J3KH018 | 646 | F021A12A018 | 651 | F021A1DA018 | 646 | F021A22A018 |
| 637 | F020H4KH030 | 637 | F020J3KH030 | 646 | F021A12A030 | 651 | F021A1DA030 | 646 | F021A22A030 |
| 637 | F020H4KH033 | 637 | F020J3KH033 | 646 | F021A12A033 | 651 | F021A1DA033 | 646 | F021A22A033 |
| 638 | F020H4LH001 | 638 | F020J3LH001 | 648 | F021A13A001 | 645 | F021A1EA001 | 648 | F021A23A001 |
| 638 | F020H4LH006 | 638 | F020J3LH006 | 648 | F021A13A006 | 645 | F021A1EA006 | 648 | F021A23A006 |
| 638 | F020H4LH012 | 638 | F020J3LH012 | 648 | F021A13A012 | 645 | F021A1EA012 | 648 | F021A23A012 |
| 638 | F020H4LH018 | 638 | F020J3LH018 | 648 | F021A13A018 | 645 | F021A1EA018 | 648 | F021A23A018 |
| 638 | F020H4LH030 | 638 | F020J3LH030 | 648 | F021A13A030 | 645 | F021A1EA030 | 648 | F021A23A030 |
| 638 | F020H4LH033 | 638 | F020J3LH033 | 648 | F021A13A033 | 645 | F021A1EA033 | 648 | F021A23A033 |
| 639 | F020H4MH001 | 639 | F020J3MH001 | 650 | F021A14A001 | 647 | F021A1FA001 | 650 | F021A24A001 |
| 639 | F020H4MH006 | 639 | F020J3MH006 | 650 | F021A14A006 | 647 | F021A1FA006 | 650 | F021A24A006 |
| 639 | F020H4MH012 | 639 | F020J3MH012 | 650 | F021A14A012 | 647 | F021A1FA012 | 650 | F021A24A012 |
| 639 | F020H4MH018 | 639 | F020J3MH018 | 650 | F021A14A018 | 647 | F021A1FA018 | 650 | F021A24A018 |
| 639 | F020H4MH030 | 639 | F020J3MH030 | 650 | F021A14A030 | 647 | F021A1FA030 | 650 | F021A24A030 |
| 639 | F020H4MH033 | 639 | F020J3MH033 | 650 | F021A14A033 | 647 | F021A1FA033 | 650 | F021A24A033 |
| 636 | F020HTJH001 | 637 | F020J4KH001 | 644 | F021A15A001 | 649 | F021A1GA001 | 644 | F021A25A001 |
| 636 | F020HTJH006 | 637 | F020J4KH006 | 644 | F021A15A006 | 649 | F021A1GA006 | 644 | F021A25A006 |
| 636 | F020HTJH012 | 637 | F020J4KH012 | 644 | F021A15A012 | 649 | F021A1GA012 | 644 | F021A25A012 |
| 636 | F020HTJH018 | 637 | F020J4KH018 | 644 | F021A15A018 | 649 | F021A1GA018 | 644 | F021A25A018 |
| 636 | F020HTJH030 | 637 | F020J4KH030 | 644 | F021A15A030 | 649 | F021A1GA030 | 644 | F021A25A030 |
| 636 | F020HTJH033 | 637 | F020J4KH033 | 644 | F021A15A033 | 649 | F021A1GA033 | 644 | F021A25A033 |
| 637 | F020HTKH001 | 638 | F020J4LH001 | 646 | F021A16A001 | 651 | F021A1HA001 | 646 | F021A26A001 |
| 637 | F020HTKH006 | 638 | F020J4LH006 | 646 | F021A16A006 | 651 | F021A1HA006 | 646 | F021A26A006 |
| 637 | F020HTKH012 | 638 | F020J4LH012 | 646 | F021A16A012 | 651 | F021A1HA012 | 646 | F021A26A012 |

| Page | Reference | Page | Reference | Page | Reference | Page | Reference | Page | Reference |
|---|---|---|---|---|---|---|---|---|---|
| 646 | F021A26A018 | 651 | F021A2HA018 | 646 | F021A36A018 | 651 | F021A3HA018 | 646 | F021A46A018 |
| 646 | F021A26A030 | 651 | F021A2HA030 | 646 | F021A36A030 | 651 | F021A3HA030 | 646 | F021A46A030 |
| 646 | F021A26A033 | 651 | F021A2HA033 | 646 | F021A36A033 | 651 | F021A3HA033 | 646 | F021A46A033 |
| 648 | F021A27A001 | 645 | F021A2JA001 | 648 | F021A37A001 | 645 | F021A3JA001 | 648 | F021A47A001 |
| 648 | F021A27A006 | 645 | F021A2JA006 | 648 | F021A37A006 | 645 | F021A3JA006 | 648 | F021A47A006 |
| 648 | F021A27A012 | 645 | F021A2JA012 | 648 | F021A37A012 | 645 | F021A3JA012 | 648 | F021A47A012 |
| 648 | F021A27A018 | 645 | F021A2JA018 | 648 | F021A37A018 | 645 | F021A3JA018 | 648 | F021A47A018 |
| 648 | F021A27A030 | 645 | F021A2JA030 | 648 | F021A37A030 | 645 | F021A3JA030 | 648 | F021A47A030 |
| 648 | F021A27A033 | 645 | F021A2JA033 | 648 | F021A37A033 | 645 | F021A3JA033 | 648 | F021A47A033 |
| 650 | F021A28A001 | 647 | F021A2KA001 | 650 | F021A38A001 | 647 | F021A3KA001 | 650 | F021A48A001 |
| 650 | F021A28A006 | 647 | F021A2KA006 | 650 | F021A38A006 | 647 | F021A3KA006 | 650 | F021A48A006 |
| 650 | F021A28A012 | 647 | F021A2KA012 | 650 | F021A38A012 | 647 | F021A3KA012 | 650 | F021A48A012 |
| 650 | F021A28A018 | 647 | F021A2KA018 | 650 | F021A38A018 | 647 | F021A3KA018 | 650 | F021A48A018 |
| 650 | F021A28A030 | 647 | F021A2KA030 | 650 | F021A38A030 | 647 | F021A3KA030 | 650 | F021A48A030 |
| 650 | F021A28A033 | 647 | F021A2KA033 | 650 | F021A38A033 | 647 | F021A3KA033 | 650 | F021A48A033 |
| 644 | F021A2AA001 | 649 | F021A2LA001 | 644 | F021A3AA001 | 649 | F021A3LA001 | 644 | F021A4AA001 |
| 644 | F021A2AA006 | 649 | F021A2LA006 | 644 | F021A3AA006 | 649 | F021A3LA006 | 644 | F021A4AA006 |
| 644 | F021A2AA012 | 649 | F021A2LA012 | 644 | F021A3AA012 | 649 | F021A3LA012 | 644 | F021A4AA012 |
| 644 | F021A2AA018 | 649 | F021A2LA018 | 644 | F021A3AA018 | 649 | F021A3LA018 | 644 | F021A4AA018 |
| 644 | F021A2AA030 | 649 | F021A2LA030 | 644 | F021A3AA030 | 649 | F021A3LA030 | 644 | F021A4AA030 |
| 644 | F021A2AA033 | 649 | F021A2LA033 | 644 | F021A3AA033 | 649 | F021A3LA033 | 644 | F021A4AA033 |
| 647 | F021A2BA001 | 651 | F021A2MA001 | 647 | F021A3BA001 | 651 | F021A3MA001 | 647 | F021A4BA001 |
| 647 | F021A2BA006 | 651 | F021A2MA006 | 647 | F021A3BA006 | 651 | F021A3MA006 | 647 | F021A4BA006 |
| 647 | F021A2BA012 | 651 | F021A2MA012 | 647 | F021A3BA012 | 651 | F021A3MA012 | 647 | F021A4BA012 |
| 647 | F021A2BA018 | 651 | F021A2MA018 | 647 | F021A3BA018 | 651 | F021A3MA018 | 647 | F021A4BA018 |
| 647 | F021A2BA030 | 651 | F021A2MA030 | 647 | F021A3BA030 | 651 | F021A3MA030 | 647 | F021A4BA030 |
| 647 | F021A2BA033 | 651 | F021A2MA033 | 647 | F021A3BA033 | 651 | F021A3MA033 | 647 | F021A4BA033 |
| 649 | F021A2CA001 | 644 | F021A31A001 | 649 | F021A3CA001 | 644 | F021A41A001 | 649 | F021A4CA001 |
| 649 | F021A2CA006 | 644 | F021A31A006 | 649 | F021A3CA006 | 644 | F021A41A006 | 649 | F021A4CA006 |
| 649 | F021A2CA012 | 644 | F021A31A012 | 649 | F021A3CA012 | 644 | F021A41A012 | 649 | F021A4CA012 |
| 649 | F021A2CA018 | 644 | F021A31A018 | 649 | F021A3CA018 | 644 | F021A41A018 | 649 | F021A4CA018 |
| 649 | F021A2CA030 | 644 | F021A31A030 | 649 | F021A3CA030 | 644 | F021A41A030 | 649 | F021A4CA030 |
| 649 | F021A2CA033 | 644 | F021A31A033 | 649 | F021A3CA033 | 644 | F021A41A033 | 649 | F021A4CA033 |
| 651 | F021A2DA001 | 646 | F021A32A001 | 651 | F021A3DA001 | 646 | F021A42A001 | 651 | F021A4DA001 |
| 651 | F021A2DA006 | 646 | F021A32A006 | 651 | F021A3DA006 | 646 | F021A42A006 | 651 | F021A4DA006 |
| 651 | F021A2DA012 | 646 | F021A32A012 | 651 | F021A3DA012 | 646 | F021A42A012 | 651 | F021A4DA012 |
| 651 | F021A2DA018 | 646 | F021A32A018 | 651 | F021A3DA018 | 646 | F021A42A018 | 651 | F021A4DA018 |
| 651 | F021A2DA030 | 646 | F021A32A030 | 651 | F021A3DA030 | 646 | F021A42A030 | 651 | F021A4DA030 |
| 651 | F021A2DA033 | 646 | F021A32A033 | 651 | F021A3DA033 | 646 | F021A42A033 | 651 | F021A4DA033 |
| 645 | F021A2EA001 | 648 | F021A33A001 | 645 | F021A3EA001 | 648 | F021A43A001 | 645 | F021A4EA001 |
| 645 | F021A2EA006 | 648 | F021A33A006 | 645 | F021A3EA006 | 648 | F021A43A006 | 645 | F021A4EA006 |
| 645 | F021A2EA012 | 648 | F021A33A012 | 645 | F021A3EA012 | 648 | F021A43A012 | 645 | F021A4EA012 |
| 645 | F021A2EA018 | 648 | F021A33A018 | 645 | F021A3EA018 | 648 | F021A43A018 | 645 | F021A4EA018 |
| 645 | F021A2EA030 | 648 | F021A33A030 | 645 | F021A3EA030 | 648 | F021A43A030 | 645 | F021A4EA030 |
| 645 | F021A2EA033 | 648 | F021A33A033 | 645 | F021A3EA033 | 648 | F021A43A033 | 645 | F021A4EA033 |
| 647 | F021A2FA001 | 650 | F021A34A001 | 647 | F021A3FA001 | 650 | F021A44A001 | 647 | F021A4FA001 |
| 647 | F021A2FA006 | 650 | F021A34A006 | 647 | F021A3FA006 | 650 | F021A44A006 | 647 | F021A4FA006 |
| 647 | F021A2FA012 | 650 | F021A34A012 | 647 | F021A3FA012 | 650 | F021A44A012 | 647 | F021A4FA012 |
| 647 | F021A2FA018 | 650 | F021A34A018 | 647 | F021A3FA018 | 650 | F021A44A018 | 647 | F021A4FA018 |
| 647 | F021A2FA030 | 650 | F021A34A030 | 647 | F021A3FA030 | 650 | F021A44A030 | 647 | F021A4FA030 |
| 647 | F021A2FA033 | 650 | F021A34A033 | 647 | F021A3FA033 | 650 | F021A44A033 | 647 | F021A4FA033 |
| 649 | F021A2GA001 | 644 | F021A35A001 | 649 | F021A3GA001 | 644 | F021A45A001 | 649 | F021A4GA001 |
| 649 | F021A2GA006 | 644 | F021A35A006 | 649 | F021A3GA006 | 644 | F021A45A006 | 649 | F021A4GA006 |
| 649 | F021A2GA012 | 644 | F021A35A012 | 649 | F021A3GA012 | 644 | F021A45A012 | 649 | F021A4GA012 |
| 649 | F021A2GA018 | 644 | F021A35A018 | 649 | F021A3GA018 | 644 | F021A45A018 | 649 | F021A4GA018 |
| 649 | F021A2GA030 | 644 | F021A35A030 | 649 | F021A3GA030 | 644 | F021A45A030 | 649 | F021A4GA030 |
| 649 | F021A2GA033 | 644 | F021A35A033 | 649 | F021A3GA033 | 644 | F021A45A033 | 649 | F021A4GA033 |
| 651 | F021A2HA001 | 646 | F021A36A001 | 651 | F021A3HA001 | 646 | F021A46A001 | 651 | F021A4HA001 |
| 651 | F021A2HA006 | 646 | F021A36A006 | 651 | F021A3HA006 | 646 | F021A46A006 | 651 | F021A4HA006 |
| 651 | F021A2HA012 | 646 | F021A36A012 | 651 | F021A3HA012 | 646 | F021A46A012 | 651 | F021A4HA012 |

| Page | Reference | Page | Reference | Page | Reference | Page | Reference | Page | Reference |
|---|---|---|---|---|---|---|---|---|---|
| 651 | F021A4HA018 | 650 | F021B14A018 | 647 | F021B1BA018 | 655 | F021B1GD018 | 644 | F021B21A018 |
| 651 | F021A4HA030 | 650 | F021B14A030 | 647 | F021B1BA030 | 655 | F021B1GD030 | 644 | F021B21A030 |
| 651 | F021A4HA033 | 650 | F021B14A033 | 647 | F021B1BA033 | 655 | F021B1GD033 | 644 | F021B21A033 |
| 645 | F021A4JA001 | 656 | F021B14D001 | 652 | F021B1BD001 | 651 | F021B1HA001 | 646 | F021B22A001 |
| 645 | F021A4JA006 | 656 | F021B14D006 | 652 | F021B1BD006 | 651 | F021B1HA006 | 646 | F021B22A006 |
| 645 | F021A4JA012 | 656 | F021B14D012 | 652 | F021B1BD012 | 651 | F021B1HA012 | 646 | F021B22A012 |
| 645 | F021A4JA018 | 656 | F021B14D018 | 652 | F021B1BD018 | 651 | F021B1HA018 | 646 | F021B22A018 |
| 645 | F021A4JA030 | 656 | F021B14D030 | 652 | F021B1BD030 | 651 | F021B1HA030 | 646 | F021B22A030 |
| 645 | F021A4JA033 | 656 | F021B14D033 | 652 | F021B1BD033 | 651 | F021B1HA033 | 646 | F021B22A033 |
| 647 | F021A4KA001 | 644 | F021B15A001 | 649 | F021B1CA001 | 657 | F021B1HD001 | 652 | F021B22D001 |
| 647 | F021A4KA006 | 644 | F021B15A006 | 649 | F021B1CA006 | 657 | F021B1HD006 | 652 | F021B22D006 |
| 647 | F021A4KA012 | 644 | F021B15A012 | 649 | F021B1CA012 | 657 | F021B1HD012 | 652 | F021B22D012 |
| 647 | F021A4KA018 | 644 | F021B15A018 | 649 | F021B1CA018 | 657 | F021B1HD018 | 652 | F021B22D018 |
| 647 | F021A4KA030 | 644 | F021B15A030 | 649 | F021B1CA030 | 657 | F021B1HD030 | 652 | F021B22D030 |
| 647 | F021A4KA033 | 644 | F021B15A033 | 649 | F021B1CA033 | 657 | F021B1HD033 | 652 | F021B22D033 |
| 649 | F021A4LA001 | 646 | F021B16A001 | 654 | F021B1CD001 | 645 | F021B1JA001 | 648 | F021B23A001 |
| 649 | F021A4LA006 | 646 | F021B16A006 | 654 | F021B1CD006 | 645 | F021B1JA006 | 648 | F021B23A006 |
| 649 | F021A4LA012 | 646 | F021B16A012 | 654 | F021B1CD012 | 645 | F021B1JA012 | 648 | F021B23A012 |
| 649 | F021A4LA018 | 646 | F021B16A018 | 654 | F021B1CD018 | 645 | F021B1JA018 | 648 | F021B23A018 |
| 649 | F021A4LA030 | 646 | F021B16A030 | 654 | F021B1CD030 | 645 | F021B1JA030 | 648 | F021B23A030 |
| 649 | F021A4LA033 | 646 | F021B16A033 | 654 | F021B1CD033 | 645 | F021B1JA033 | 648 | F021B23A033 |
| 651 | F021A4MA001 | 652 | F021B16D001 | 651 | F021B1DA001 | 647 | F021B1KA001 | 654 | F021B23D001 |
| 651 | F021A4MA006 | 652 | F021B16D006 | 651 | F021B1DA006 | 647 | F021B1KA006 | 654 | F021B23D006 |
| 651 | F021A4MA012 | 652 | F021B16D012 | 651 | F021B1DA012 | 647 | F021B1KA012 | 654 | F021B23D012 |
| 651 | F021A4MA018 | 652 | F021B16D018 | 651 | F021B1DA018 | 647 | F021B1KA018 | 654 | F021B23D018 |
| 651 | F021A4MA030 | 652 | F021B16D030 | 651 | F021B1DA030 | 647 | F021B1KA030 | 654 | F021B23D030 |
| 651 | F021A4MA033 | 652 | F021B16D033 | 651 | F021B1DA033 | 647 | F021B1KA033 | 654 | F021B23D033 |
| 644 | F021B11A001 | 648 | F021B17A001 | 656 | F021B1DD001 | 653 | F021B1KD001 | 650 | F021B24A001 |
| 644 | F021B11A006 | 648 | F021B17A006 | 656 | F021B1DD006 | 653 | F021B1KD006 | 650 | F021B24A006 |
| 644 | F021B11A012 | 648 | F021B17A012 | 656 | F021B1DD012 | 653 | F021B1KD012 | 650 | F021B24A012 |
| 644 | F021B11A018 | 648 | F021B17A018 | 656 | F021B1DD018 | 653 | F021B1KD018 | 650 | F021B24A018 |
| 644 | F021B11A030 | 648 | F021B17A030 | 656 | F021B1DD030 | 653 | F021B1KD030 | 650 | F021B24A030 |
| 644 | F021B11A033 | 648 | F021B17A033 | 656 | F021B1DD033 | 653 | F021B1KD033 | 650 | F021B24A033 |
| 646 | F021B12A001 | 654 | F021B17D001 | 645 | F021B1EA001 | 649 | F021B1LA001 | 656 | F021B24D001 |
| 646 | F021B12A006 | 654 | F021B17D006 | 645 | F021B1EA006 | 649 | F021B1LA006 | 656 | F021B24D006 |
| 646 | F021B12A012 | 654 | F021B17D012 | 645 | F021B1EA012 | 649 | F021B1LA012 | 656 | F021B24D012 |
| 646 | F021B12A018 | 654 | F021B17D018 | 645 | F021B1EA018 | 649 | F021B1LA018 | 656 | F021B24D018 |
| 646 | F021B12A030 | 654 | F021B17D030 | 645 | F021B1EA030 | 649 | F021B1LA030 | 656 | F021B24D030 |
| 646 | F021B12A033 | 654 | F021B17D033 | 645 | F021B1EA033 | 649 | F021B1LA033 | 656 | F021B24D033 |
| 652 | F021B12D001 | 650 | F021B18A001 | 647 | F021B1FA001 | 655 | F021B1LD001 | 644 | F021B25A001 |
| 652 | F021B12D006 | 650 | F021B18A006 | 647 | F021B1FA006 | 655 | F021B1LD006 | 644 | F021B25A006 |
| 652 | F021B12D012 | 650 | F021B18A012 | 647 | F021B1FA012 | 655 | F021B1LD012 | 644 | F021B25A012 |
| 652 | F021B12D018 | 650 | F021B18A018 | 647 | F021B1FA018 | 655 | F021B1LD018 | 644 | F021B25A018 |
| 652 | F021B12D030 | 650 | F021B18A030 | 647 | F021B1FA030 | 655 | F021B1LD030 | 644 | F021B25A030 |
| 652 | F021B12D033 | 650 | F021B18A033 | 647 | F021B1FA033 | 655 | F021B1LD033 | 644 | F021B25A033 |
| 648 | F021B13A001 | 656 | F021B18D001 | 653 | F021B1FD001 | 651 | F021B1MA001 | 646 | F021B26A001 |
| 648 | F021B13A006 | 656 | F021B18D006 | 653 | F021B1FD006 | 651 | F021B1MA006 | 646 | F021B26A006 |
| 648 | F021B13A012 | 656 | F021B18D012 | 653 | F021B1FD012 | 651 | F021B1MA012 | 646 | F021B26A012 |
| 648 | F021B13A018 | 656 | F021B18D018 | 653 | F021B1FD018 | 651 | F021B1MA018 | 646 | F021B26A018 |
| 648 | F021B13A030 | 656 | F021B18D030 | 653 | F021B1FD030 | 651 | F021B1MA030 | 646 | F021B26A030 |
| 648 | F021B13A033 | 656 | F021B18D033 | 653 | F021B1FD033 | 651 | F021B1MA033 | 646 | F021B26A033 |
| 654 | F021B13D001 | 644 | F021B1AA001 | 649 | F021B1GA001 | 657 | F021B1MD001 | 652 | F021B26D001 |
| 654 | F021B13D006 | 644 | F021B1AA006 | 649 | F021B1GA006 | 657 | F021B1MD006 | 652 | F021B26D006 |
| 654 | F021B13D012 | 644 | F021B1AA012 | 649 | F021B1GA012 | 657 | F021B1MD012 | 652 | F021B26D012 |
| 654 | F021B13D018 | 644 | F021B1AA018 | 649 | F021B1GA018 | 657 | F021B1MD018 | 652 | F021B26D018 |
| 654 | F021B13D030 | 644 | F021B1AA030 | 649 | F021B1GA030 | 657 | F021B1MD030 | 652 | F021B26D030 |
| 654 | F021B13D033 | 644 | F021B1AA033 | 649 | F021B1GA033 | 657 | F021B1MD033 | 652 | F021B26D033 |
| 650 | F021B14A001 | 647 | F021B1BA001 | 655 | F021B1GD001 | 644 | F021B21A001 | 648 | F021B27A001 |
| 650 | F021B14A006 | 647 | F021B1BA006 | 655 | F021B1GD006 | 644 | F021B21A006 | 648 | F021B27A006 |
| 650 | F021B14A012 | 647 | F021B1BA012 | 655 | F021B1GD012 | 644 | F021B21A012 | 648 | F021B27A012 |

| Page | Reference | Page | Reference | Page | Reference | Page | Reference | Page | Reference |
|---|---|---|---|---|---|---|---|---|---|
| 648 | F021B27A018 | 656 | F021B2DD018 | 653 | F021B2KD018 | 650 | F021B34A018 | 647 | F021B3BA018 |
| 648 | F021B27A030 | 656 | F021B2DD030 | 653 | F021B2KD030 | 650 | F021B34A030 | 647 | F021B3BA030 |
| 648 | F021B27A033 | 656 | F021B2DD033 | 653 | F021B2KD033 | 650 | F021B34A033 | 647 | F021B3BA033 |
| 654 | F021B27D001 | 645 | F021B2EA001 | 649 | F021B2LA001 | 656 | F021B34D001 | 652 | F021B3BD001 |
| 654 | F021B27D006 | 645 | F021B2EA006 | 649 | F021B2LA006 | 656 | F021B34D006 | 652 | F021B3BD006 |
| 654 | F021B27D012 | 645 | F021B2EA012 | 649 | F021B2LA012 | 656 | F021B34D012 | 652 | F021B3BD012 |
| 654 | F021B27D018 | 645 | F021B2EA018 | 649 | F021B2LA018 | 656 | F021B34D018 | 652 | F021B3BD018 |
| 654 | F021B27D030 | 645 | F021B2EA030 | 649 | F021B2LA030 | 656 | F021B34D030 | 652 | F021B3BD030 |
| 654 | F021B27D033 | 645 | F021B2EA033 | 649 | F021B2LA033 | 656 | F021B34D033 | 652 | F021B3BD033 |
| 650 | F021B28A001 | 647 | F021B2FA001 | 655 | F021B2LD001 | 644 | F021B35A001 | 649 | F021B3CA001 |
| 650 | F021B28A006 | 647 | F021B2FA006 | 655 | F021B2LD006 | 644 | F021B35A006 | 649 | F021B3CA006 |
| 650 | F021B28A012 | 647 | F021B2FA012 | 655 | F021B2LD012 | 644 | F021B35A012 | 649 | F021B3CA012 |
| 650 | F021B28A018 | 647 | F021B2FA018 | 655 | F021B2LD018 | 644 | F021B35A018 | 649 | F021B3CA018 |
| 650 | F021B28A030 | 647 | F021B2FA030 | 655 | F021B2LD030 | 644 | F021B35A030 | 649 | F021B3CA030 |
| 650 | F021B28A033 | 647 | F021B2FA033 | 655 | F021B2LD033 | 644 | F021B35A033 | 649 | F021B3CA033 |
| 656 | F021B28D001 | 653 | F021B2FD001 | 651 | F021B2MA001 | 646 | F021B36A001 | 654 | F021B3CD001 |
| 656 | F021B28D006 | 653 | F021B2FD006 | 651 | F021B2MA006 | 646 | F021B36A006 | 654 | F021B3CD006 |
| 656 | F021B28D012 | 653 | F021B2FD012 | 651 | F021B2MA012 | 646 | F021B36A012 | 654 | F021B3CD012 |
| 656 | F021B28D018 | 653 | F021B2FD018 | 651 | F021B2MA018 | 646 | F021B36A018 | 654 | F021B3CD018 |
| 656 | F021B28D030 | 653 | F021B2FD030 | 651 | F021B2MA030 | 646 | F021B36A030 | 654 | F021B3CD030 |
| 656 | F021B28D033 | 653 | F021B2FD033 | 651 | F021B2MA033 | 646 | F021B36A033 | 654 | F021B3CD033 |
| 644 | F021B2AA001 | 649 | F021B2GA001 | 657 | F021B2MD001 | 652 | F021B36D001 | 651 | F021B3DA001 |
| 644 | F021B2AA006 | 649 | F021B2GA006 | 657 | F021B2MD006 | 652 | F021B36D006 | 651 | F021B3DA006 |
| 644 | F021B2AA012 | 649 | F021B2GA012 | 657 | F021B2MD012 | 652 | F021B36D012 | 651 | F021B3DA012 |
| 644 | F021B2AA018 | 649 | F021B2GA018 | 657 | F021B2MD018 | 652 | F021B36D018 | 651 | F021B3DA018 |
| 644 | F021B2AA030 | 649 | F021B2GA030 | 657 | F021B2MD030 | 652 | F021B36D030 | 651 | F021B3DA030 |
| 644 | F021B2AA033 | 649 | F021B2GA033 | 657 | F021B2MD033 | 652 | F021B36D033 | 651 | F021B3DA033 |
| 647 | F021B2BA001 | 655 | F021B2GD001 | 644 | F021B31A001 | 648 | F021B37A001 | 656 | F021B3DD001 |
| 647 | F021B2BA006 | 655 | F021B2GD006 | 644 | F021B31A006 | 648 | F021B37A006 | 656 | F021B3DD006 |
| 647 | F021B2BA012 | 655 | F021B2GD012 | 644 | F021B31A012 | 648 | F021B37A012 | 656 | F021B3DD012 |
| 647 | F021B2BA018 | 655 | F021B2GD018 | 644 | F021B31A018 | 648 | F021B37A018 | 656 | F021B3DD018 |
| 647 | F021B2BA030 | 655 | F021B2GD030 | 644 | F021B31A030 | 648 | F021B37A030 | 656 | F021B3DD030 |
| 647 | F021B2BA033 | 655 | F021B2GD033 | 644 | F021B31A033 | 648 | F021B37A033 | 656 | F021B3DD033 |
| 652 | F021B2BD001 | 651 | F021B2HA001 | 646 | F021B32A001 | 654 | F021B37D001 | 645 | F021B3EA001 |
| 652 | F021B2BD006 | 651 | F021B2HA006 | 646 | F021B32A006 | 654 | F021B37D006 | 645 | F021B3EA006 |
| 652 | F021B2BD012 | 651 | F021B2HA012 | 646 | F021B32A012 | 654 | F021B37D012 | 645 | F021B3EA012 |
| 652 | F021B2BD018 | 651 | F021B2HA018 | 646 | F021B32A018 | 654 | F021B37D018 | 645 | F021B3EA018 |
| 652 | F021B2BD030 | 651 | F021B2HA030 | 646 | F021B32A030 | 654 | F021B37D030 | 645 | F021B3EA030 |
| 652 | F021B2BD033 | 651 | F021B2HA033 | 646 | F021B32A033 | 654 | F021B37D033 | 645 | F021B3EA033 |
| 649 | F021B2CA001 | 657 | F021B2HD001 | 652 | F021B32D001 | 650 | F021B38A001 | 647 | F021B3FA001 |
| 649 | F021B2CA006 | 657 | F021B2HD006 | 652 | F021B32D006 | 650 | F021B38A006 | 647 | F021B3FA006 |
| 649 | F021B2CA012 | 657 | F021B2HD012 | 652 | F021B32D012 | 650 | F021B38A012 | 647 | F021B3FA012 |
| 649 | F021B2CA018 | 657 | F021B2HD018 | 652 | F021B32D018 | 650 | F021B38A018 | 647 | F021B3FA018 |
| 649 | F021B2CA030 | 657 | F021B2HD030 | 652 | F021B32D030 | 650 | F021B38A030 | 647 | F021B3FA030 |
| 649 | F021B2CA033 | 657 | F021B2HD033 | 652 | F021B32D033 | 650 | F021B38A033 | 647 | F021B3FA033 |
| 654 | F021B2CD001 | 645 | F021B2JA001 | 648 | F021B33A001 | 656 | F021B38D001 | 653 | F021B3FD001 |
| 654 | F021B2CD006 | 645 | F021B2JA006 | 648 | F021B33A006 | 656 | F021B38D006 | 653 | F021B3FD006 |
| 654 | F021B2CD012 | 645 | F021B2JA012 | 648 | F021B33A012 | 656 | F021B38D012 | 653 | F021B3FD012 |
| 654 | F021B2CD018 | 645 | F021B2JA018 | 648 | F021B33A018 | 656 | F021B38D018 | 653 | F021B3FD018 |
| 654 | F021B2CD030 | 645 | F021B2JA030 | 648 | F021B33A030 | 656 | F021B38D030 | 653 | F021B3FD030 |
| 654 | F021B2CD033 | 645 | F021B2JA033 | 648 | F021B33A033 | 656 | F021B38D033 | 653 | F021B3FD033 |
| 651 | F021B2DA001 | 647 | F021B2KA001 | 654 | F021B33D001 | 644 | F021B3AA001 | 649 | F021B3GA001 |
| 651 | F021B2DA006 | 647 | F021B2KA006 | 654 | F021B33D006 | 644 | F021B3AA006 | 649 | F021B3GA006 |
| 651 | F021B2DA012 | 647 | F021B2KA012 | 654 | F021B33D012 | 644 | F021B3AA012 | 649 | F021B3GA012 |
| 651 | F021B2DA018 | 647 | F021B2KA018 | 654 | F021B33D018 | 644 | F021B3AA018 | 649 | F021B3GA018 |
| 651 | F021B2DA030 | 647 | F021B2KA030 | 654 | F021B33D030 | 644 | F021B3AA030 | 649 | F021B3GA030 |
| 651 | F021B2DA033 | 647 | F021B2KA033 | 654 | F021B33D033 | 644 | F021B3AA033 | 649 | F021B3GA033 |
| 656 | F021B2DD001 | 653 | F021B2KD001 | 650 | F021B34A001 | 647 | F021B3BA001 | 655 | F021B3GD001 |
| 656 | F021B2DD006 | 653 | F021B2KD006 | 650 | F021B34A006 | 647 | F021B3BA006 | 655 | F021B3GD006 |
| 656 | F021B2DD012 | 653 | F021B2KD012 | 650 | F021B34A012 | 647 | F021B3BA012 | 655 | F021B3GD012 |

| Page | Reference | Page | Reference | Page | Reference | Page | Reference | Page | Reference |
|---|---|---|---|---|---|---|---|---|---|
| 655 | F021B3GD018 | 644 | F021B41A018 | 648 | F021B47A018 | 656 | F021B4DD018 | 653 | F021B4KD018 |
| 655 | F021B3GD030 | 644 | F021B41A030 | 648 | F021B47A030 | 656 | F021B4DD030 | 653 | F021B4KD030 |
| 655 | F021B3GD033 | 644 | F021B41A033 | 648 | F021B47A033 | 656 | F021B4DD033 | 653 | F021B4KD033 |
| 651 | F021B3HA001 | 646 | F021B42A001 | 654 | F021B47D001 | 645 | F021B4EA001 | 649 | F021B4LA001 |
| 651 | F021B3HA006 | 646 | F021B42A006 | 654 | F021B47D006 | 645 | F021B4EA006 | 649 | F021B4LA006 |
| 651 | F021B3HA012 | 646 | F021B42A012 | 654 | F021B47D012 | 645 | F021B4EA012 | 649 | F021B4LA012 |
| 651 | F021B3HA018 | 646 | F021B42A018 | 654 | F021B47D018 | 645 | F021B4EA018 | 649 | F021B4LA018 |
| 651 | F021B3HA030 | 646 | F021B42A030 | 654 | F021B47D030 | 645 | F021B4EA030 | 649 | F021B4LA030 |
| 651 | F021B3HA033 | 646 | F021B42A033 | 654 | F021B47D033 | 645 | F021B4EA033 | 649 | F021B4LA033 |
| 657 | F021B3HD001 | 652 | F021B42D001 | 650 | F021B48A001 | 647 | F021B4FA001 | 655 | F021B4LD001 |
| 657 | F021B3HD006 | 652 | F021B42D006 | 650 | F021B48A006 | 647 | F021B4FA006 | 655 | F021B4LD006 |
| 657 | F021B3HD012 | 652 | F021B42D012 | 650 | F021B48A012 | 647 | F021B4FA012 | 655 | F021B4LD012 |
| 657 | F021B3HD018 | 652 | F021B42D018 | 650 | F021B48A018 | 647 | F021B4FA018 | 655 | F021B4LD018 |
| 657 | F021B3HD030 | 652 | F021B42D030 | 650 | F021B48A030 | 647 | F021B4FA030 | 655 | F021B4LD030 |
| 657 | F021B3HD033 | 652 | F021B42D033 | 650 | F021B48A033 | 647 | F021B4FA033 | 655 | F021B4LD033 |
| 645 | F021B3JA001 | 648 | F021B43A001 | 656 | F021B48D001 | 653 | F021B4FD001 | 651 | F021B4MA001 |
| 645 | F021B3JA006 | 648 | F021B43A006 | 656 | F021B48D006 | 653 | F021B4FD006 | 651 | F021B4MA006 |
| 645 | F021B3JA012 | 648 | F021B43A012 | 656 | F021B48D012 | 653 | F021B4FD012 | 651 | F021B4MA012 |
| 645 | F021B3JA018 | 648 | F021B43A018 | 656 | F021B48D018 | 653 | F021B4FD018 | 651 | F021B4MA018 |
| 645 | F021B3JA030 | 648 | F021B43A030 | 656 | F021B48D030 | 653 | F021B4FD030 | 651 | F021B4MA030 |
| 645 | F021B3JA033 | 648 | F021B43A033 | 656 | F021B48D033 | 653 | F021B4FD033 | 651 | F021B4MA033 |
| 647 | F021B3KA001 | 654 | F021B43D001 | 644 | F021B4AA001 | 649 | F021B4GA001 | 657 | F021B4MD001 |
| 647 | F021B3KA006 | 654 | F021B43D006 | 644 | F021B4AA006 | 649 | F021B4GA006 | 657 | F021B4MD006 |
| 647 | F021B3KA012 | 654 | F021B43D012 | 644 | F021B4AA012 | 649 | F021B4GA012 | 657 | F021B4MD012 |
| 647 | F021B3KA018 | 654 | F021B43D018 | 644 | F021B4AA018 | 649 | F021B4GA018 | 657 | F021B4MD018 |
| 647 | F021B3KA030 | 654 | F021B43D030 | 644 | F021B4AA030 | 649 | F021B4GA030 | 657 | F021B4MD030 |
| 647 | F021B3KA033 | 654 | F021B43D033 | 644 | F021B4AA033 | 649 | F021B4GA033 | 657 | F021B4MD033 |
| 653 | F021B3KD001 | 650 | F021B44A001 | 647 | F021B4BA001 | 655 | F021B4GD001 | 646 | F021C12A001 |
| 653 | F021B3KD006 | 650 | F021B44A006 | 647 | F021B4BA006 | 655 | F021B4GD006 | 646 | F021C12A006 |
| 653 | F021B3KD012 | 650 | F021B44A012 | 647 | F021B4BA012 | 655 | F021B4GD012 | 646 | F021C12A012 |
| 653 | F021B3KD018 | 650 | F021B44A018 | 647 | F021B4BA018 | 655 | F021B4GD018 | 646 | F021C12A018 |
| 653 | F021B3KD030 | 650 | F021B44A030 | 647 | F021B4BA030 | 655 | F021B4GD030 | 646 | F021C12A030 |
| 653 | F021B3KD033 | 650 | F021B44A033 | 647 | F021B4BA033 | 655 | F021B4GD033 | 646 | F021C12A033 |
| 649 | F021B3LA001 | 656 | F021B44D001 | 652 | F021B4BD001 | 651 | F021B4HA001 | 652 | F021C12D001 |
| 649 | F021B3LA006 | 656 | F021B44D006 | 652 | F021B4BD006 | 651 | F021B4HA006 | 652 | F021C12D006 |
| 649 | F021B3LA012 | 656 | F021B44D012 | 652 | F021B4BD012 | 651 | F021B4HA012 | 652 | F021C12D012 |
| 649 | F021B3LA018 | 656 | F021B44D018 | 652 | F021B4BD018 | 651 | F021B4HA018 | 652 | F021C12D018 |
| 649 | F021B3LA030 | 656 | F021B44D030 | 652 | F021B4BD030 | 651 | F021B4HA030 | 652 | F021C12D030 |
| 649 | F021B3LA033 | 656 | F021B44D033 | 652 | F021B4BD033 | 651 | F021B4HA033 | 652 | F021C12D033 |
| 655 | F021B3LD001 | 644 | F021B45A001 | 649 | F021B4CA001 | 657 | F021B4HD001 | 648 | F021C13A001 |
| 655 | F021B3LD006 | 644 | F021B45A006 | 649 | F021B4CA006 | 657 | F021B4HD006 | 648 | F021C13A006 |
| 655 | F021B3LD012 | 644 | F021B45A012 | 649 | F021B4CA012 | 657 | F021B4HD012 | 648 | F021C13A012 |
| 655 | F021B3LD018 | 644 | F021B45A018 | 649 | F021B4CA018 | 657 | F021B4HD018 | 648 | F021C13A018 |
| 655 | F021B3LD030 | 644 | F021B45A030 | 649 | F021B4CA030 | 657 | F021B4HD030 | 648 | F021C13A030 |
| 655 | F021B3LD033 | 644 | F021B45A033 | 649 | F021B4CA033 | 657 | F021B4HD033 | 648 | F021C13A033 |
| 651 | F021B3MA001 | 646 | F021B46A001 | 654 | F021B4CD001 | 645 | F021B4JA001 | 654 | F021C13D001 |
| 651 | F021B3MA006 | 646 | F021B46A006 | 654 | F021B4CD006 | 645 | F021B4JA006 | 654 | F021C13D006 |
| 651 | F021B3MA012 | 646 | F021B46A012 | 654 | F021B4CD012 | 645 | F021B4JA012 | 654 | F021C13D012 |
| 651 | F021B3MA018 | 646 | F021B46A018 | 654 | F021B4CD018 | 645 | F021B4JA018 | 654 | F021C13D018 |
| 651 | F021B3MA030 | 646 | F021B46A030 | 654 | F021B4CD030 | 645 | F021B4JA030 | 654 | F021C13D030 |
| 651 | F021B3MA033 | 646 | F021B46A033 | 654 | F021B4CD033 | 645 | F021B4JA033 | 654 | F021C13D033 |
| 657 | F021B3MD001 | 652 | F021B46D001 | 651 | F021B4DA001 | 647 | F021B4KA001 | 650 | F021C14A001 |
| 657 | F021B3MD006 | 652 | F021B46D006 | 651 | F021B4DA006 | 647 | F021B4KA006 | 650 | F021C14A006 |
| 657 | F021B3MD012 | 652 | F021B46D012 | 651 | F021B4DA012 | 647 | F021B4KA012 | 650 | F021C14A012 |
| 657 | F021B3MD018 | 652 | F021B46D018 | 651 | F021B4DA018 | 647 | F021B4KA018 | 650 | F021C14A018 |
| 657 | F021B3MD030 | 652 | F021B46D030 | 651 | F021B4DA030 | 647 | F021B4KA030 | 650 | F021C14A030 |
| 657 | F021B3MD033 | 652 | F021B46D033 | 651 | F021B4DA033 | 647 | F021B4KA033 | 650 | F021C14A033 |
| 644 | F021B41A001 | 648 | F021B47A001 | 656 | F021B4DD001 | 653 | F021B4KD001 | 656 | F021C14D001 |
| 644 | F021B41A006 | 648 | F021B47A006 | 656 | F021B4DD006 | 653 | F021B4KD006 | 656 | F021C14D006 |
| 644 | F021B41A012 | 648 | F021B47A012 | 656 | F021B4DD012 | 653 | F021B4KD012 | 656 | F021C14D012 |

| Page | Reference | Page | Reference | Page | Reference | Page | Reference | Page | Reference |
|---|---|---|---|---|---|---|---|---|---|
| 656 | F021C14D018 | 654 | F021C1CD018 | 653 | F021C1KD018 | 656 | F021C24D018 | 654 | F021C2CD018 |
| 656 | F021C14D030 | 654 | F021C1CD030 | 653 | F021C1KD030 | 656 | F021C24D030 | 654 | F021C2CD030 |
| 656 | F021C14D033 | 654 | F021C1CD033 | 653 | F021C1KD033 | 656 | F021C24D033 | 654 | F021C2CD033 |
| 646 | F021C16A001 | 651 | F021C1DA001 | 649 | F021C1LA001 | 646 | F021C26A001 | 651 | F021C2DA001 |
| 646 | F021C16A006 | 651 | F021C1DA006 | 649 | F021C1LA006 | 646 | F021C26A006 | 651 | F021C2DA006 |
| 646 | F021C16A012 | 651 | F021C1DA012 | 649 | F021C1LA012 | 646 | F021C26A012 | 651 | F021C2DA012 |
| 646 | F021C16A018 | 651 | F021C1DA018 | 649 | F021C1LA018 | 646 | F021C26A018 | 651 | F021C2DA018 |
| 646 | F021C16A030 | 651 | F021C1DA030 | 649 | F021C1LA030 | 646 | F021C26A030 | 651 | F021C2DA030 |
| 646 | F021C16A033 | 651 | F021C1DA033 | 649 | F021C1LA033 | 646 | F021C26A033 | 651 | F021C2DA033 |
| 652 | F021C16D001 | 656 | F021C1DD001 | 655 | F021C1LD001 | 652 | F021C26D001 | 656 | F021C2DD001 |
| 652 | F021C16D006 | 656 | F021C1DD006 | 655 | F021C1LD006 | 652 | F021C26D006 | 656 | F021C2DD006 |
| 652 | F021C16D012 | 656 | F021C1DD012 | 655 | F021C1LD012 | 652 | F021C26D012 | 656 | F021C2DD012 |
| 652 | F021C16D018 | 656 | F021C1DD018 | 655 | F021C1LD018 | 652 | F021C26D018 | 656 | F021C2DD018 |
| 652 | F021C16D030 | 656 | F021C1DD030 | 655 | F021C1LD030 | 652 | F021C26D030 | 656 | F021C2DD030 |
| 652 | F021C16D033 | 656 | F021C1DD033 | 655 | F021C1LD033 | 652 | F021C26D033 | 656 | F021C2DD033 |
| 648 | F021C17A001 | 647 | F021C1FA001 | 651 | F021C1MA001 | 648 | F021C27A001 | 647 | F021C2FA001 |
| 648 | F021C17A006 | 647 | F021C1FA006 | 651 | F021C1MA006 | 648 | F021C27A006 | 647 | F021C2FA006 |
| 648 | F021C17A012 | 647 | F021C1FA012 | 651 | F021C1MA012 | 648 | F021C27A012 | 647 | F021C2FA012 |
| 648 | F021C17A018 | 647 | F021C1FA018 | 651 | F021C1MA018 | 648 | F021C27A018 | 647 | F021C2FA018 |
| 648 | F021C17A030 | 647 | F021C1FA030 | 651 | F021C1MA030 | 648 | F021C27A030 | 647 | F021C2FA030 |
| 648 | F021C17A033 | 647 | F021C1FA033 | 651 | F021C1MA033 | 648 | F021C27A033 | 647 | F021C2FA033 |
| 654 | F021C17D001 | 653 | F021C1FD001 | 657 | F021C1MD001 | 654 | F021C27D001 | 653 | F021C2FD001 |
| 654 | F021C17D006 | 653 | F021C1FD006 | 657 | F021C1MD006 | 654 | F021C27D006 | 653 | F021C2FD006 |
| 654 | F021C17D012 | 653 | F021C1FD012 | 657 | F021C1MD012 | 654 | F021C27D012 | 653 | F021C2FD012 |
| 654 | F021C17D018 | 653 | F021C1FD018 | 657 | F021C1MD018 | 654 | F021C27D018 | 653 | F021C2FD018 |
| 654 | F021C17D030 | 653 | F021C1FD030 | 657 | F021C1MD030 | 654 | F021C27D030 | 653 | F021C2FD030 |
| 654 | F021C17D033 | 653 | F021C1FD033 | 657 | F021C1MD033 | 654 | F021C27D033 | 653 | F021C2FD033 |
| 650 | F021C18A001 | 649 | F021C1GA001 | 646 | F021C22A001 | 650 | F021C28A001 | 649 | F021C2GA001 |
| 650 | F021C18A006 | 649 | F021C1GA006 | 646 | F021C22A006 | 650 | F021C28A006 | 649 | F021C2GA006 |
| 650 | F021C18A012 | 649 | F021C1GA012 | 646 | F021C22A012 | 650 | F021C28A012 | 649 | F021C2GA012 |
| 650 | F021C18A018 | 649 | F021C1GA018 | 646 | F021C22A018 | 650 | F021C28A018 | 649 | F021C2GA018 |
| 650 | F021C18A030 | 649 | F021C1GA030 | 646 | F021C22A030 | 650 | F021C28A030 | 649 | F021C2GA030 |
| 650 | F021C18A033 | 649 | F021C1GA033 | 646 | F021C22A033 | 650 | F021C28A033 | 649 | F021C2GA033 |
| 656 | F021C18D001 | 655 | F021C1GD001 | 652 | F021C22D001 | 656 | F021C28D001 | 655 | F021C2GD001 |
| 656 | F021C18D006 | 655 | F021C1GD006 | 652 | F021C22D006 | 656 | F021C28D006 | 655 | F021C2GD006 |
| 656 | F021C18D012 | 655 | F021C1GD012 | 652 | F021C22D012 | 656 | F021C28D012 | 655 | F021C2GD012 |
| 656 | F021C18D018 | 655 | F021C1GD018 | 652 | F021C22D018 | 656 | F021C28D018 | 655 | F021C2GD018 |
| 656 | F021C18D030 | 655 | F021C1GD030 | 652 | F021C22D030 | 656 | F021C28D030 | 655 | F021C2GD030 |
| 656 | F021C18D033 | 655 | F021C1GD033 | 652 | F021C22D033 | 656 | F021C28D033 | 655 | F021C2GD033 |
| 647 | F021C1BA001 | 651 | F021C1HA001 | 648 | F021C23A001 | 647 | F021C2BA001 | 651 | F021C2HA001 |
| 647 | F021C1BA006 | 651 | F021C1HA006 | 648 | F021C23A006 | 647 | F021C2BA006 | 651 | F021C2HA006 |
| 647 | F021C1BA012 | 651 | F021C1HA012 | 648 | F021C23A012 | 647 | F021C2BA012 | 651 | F021C2HA012 |
| 647 | F021C1BA018 | 651 | F021C1HA018 | 648 | F021C23A018 | 647 | F021C2BA018 | 651 | F021C2HA018 |
| 647 | F021C1BA030 | 651 | F021C1HA030 | 648 | F021C23A030 | 647 | F021C2BA030 | 651 | F021C2HA030 |
| 647 | F021C1BA033 | 651 | F021C1HA033 | 648 | F021C23A033 | 647 | F021C2BA033 | 651 | F021C2HA033 |
| 652 | F021C1BD001 | 657 | F021C1HD001 | 654 | F021C23D001 | 652 | F021C2BD001 | 657 | F021C2HD001 |
| 652 | F021C1BD006 | 657 | F021C1HD006 | 654 | F021C23D006 | 652 | F021C2BD006 | 657 | F021C2HD006 |
| 652 | F021C1BD012 | 657 | F021C1HD012 | 654 | F021C23D012 | 652 | F021C2BD012 | 657 | F021C2HD012 |
| 652 | F021C1BD018 | 657 | F021C1HD018 | 654 | F021C23D018 | 652 | F021C2BD018 | 657 | F021C2HD018 |
| 652 | F021C1BD030 | 657 | F021C1HD030 | 654 | F021C23D030 | 652 | F021C2BD030 | 657 | F021C2HD030 |
| 652 | F021C1BD033 | 657 | F021C1HD033 | 654 | F021C23D033 | 652 | F021C2BD033 | 657 | F021C2HD033 |
| 649 | F021C1CA001 | 647 | F021C1KA001 | 650 | F021C24A001 | 649 | F021C2CA001 | 647 | F021C2KA001 |
| 649 | F021C1CA006 | 647 | F021C1KA006 | 650 | F021C24A006 | 649 | F021C2CA006 | 647 | F021C2KA006 |
| 649 | F021C1CA012 | 647 | F021C1KA012 | 650 | F021C24A012 | 649 | F021C2CA012 | 647 | F021C2KA012 |
| 649 | F021C1CA018 | 647 | F021C1KA018 | 650 | F021C24A018 | 649 | F021C2CA018 | 647 | F021C2KA018 |
| 649 | F021C1CA030 | 647 | F021C1KA030 | 650 | F021C24A030 | 649 | F021C2CA030 | 647 | F021C2KA030 |
| 649 | F021C1CA033 | 647 | F021C1KA033 | 650 | F021C24A033 | 649 | F021C2CA033 | 647 | F021C2KA033 |
| 654 | F021C1CD001 | 653 | F021C1KD001 | 656 | F021C24D001 | 654 | F021C2CD001 | 653 | F021C2KD001 |
| 654 | F021C1CD006 | 653 | F021C1KD006 | 656 | F021C24D006 | 654 | F021C2CD006 | 653 | F021C2KD006 |
| 654 | F021C1CD012 | 653 | F021C1KD012 | 656 | F021C24D012 | 654 | F021C2CD012 | 653 | F021C2KD012 |

| Page | Reference | Page | Reference | Page | Reference | Page | Reference | Page | Reference |
|---|---|---|---|---|---|---|---|---|---|
| 653 | F021C2KD018 | 656 | F021C34D018 | 654 | F021C3CD018 | 653 | F021C3KD018 | 656 | F021C44D018 |
| 653 | F021C2KD030 | 656 | F021C34D030 | 654 | F021C3CD030 | 653 | F021C3KD030 | 656 | F021C44D030 |
| 653 | F021C2KD033 | 656 | F021C34D033 | 654 | F021C3CD033 | 653 | F021C3KD033 | 656 | F021C44D033 |
| 649 | F021C2LA001 | 646 | F021C36A001 | 651 | F021C3DA001 | 649 | F021C3LA001 | 646 | F021C46A001 |
| 649 | F021C2LA006 | 646 | F021C36A006 | 651 | F021C3DA006 | 649 | F021C3LA006 | 646 | F021C46A006 |
| 649 | F021C2LA012 | 646 | F021C36A012 | 651 | F021C3DA012 | 649 | F021C3LA012 | 646 | F021C46A012 |
| 649 | F021C2LA018 | 646 | F021C36A018 | 651 | F021C3DA018 | 649 | F021C3LA018 | 646 | F021C46A018 |
| 649 | F021C2LA030 | 646 | F021C36A030 | 651 | F021C3DA030 | 649 | F021C3LA030 | 646 | F021C46A030 |
| 649 | F021C2LA033 | 646 | F021C36A033 | 651 | F021C3DA033 | 649 | F021C3LA033 | 646 | F021C46A033 |
| 655 | F021C2LD001 | 652 | F021C36D001 | 656 | F021C3DD001 | 655 | F021C3LD001 | 652 | F021C46D001 |
| 655 | F021C2LD006 | 652 | F021C36D006 | 656 | F021C3DD006 | 655 | F021C3LD006 | 652 | F021C46D006 |
| 655 | F021C2LD012 | 652 | F021C36D012 | 656 | F021C3DD012 | 655 | F021C3LD012 | 652 | F021C46D012 |
| 655 | F021C2LD018 | 652 | F021C36D018 | 656 | F021C3DD018 | 655 | F021C3LD018 | 652 | F021C46D018 |
| 655 | F021C2LD030 | 652 | F021C36D030 | 656 | F021C3DD030 | 655 | F021C3LD030 | 652 | F021C46D030 |
| 655 | F021C2LD033 | 652 | F021C36D033 | 656 | F021C3DD033 | 655 | F021C3LD033 | 652 | F021C46D033 |
| 651 | F021C2MA001 | 648 | F021C37A001 | 647 | F021C3FA001 | 651 | F021C3MA001 | 648 | F021C47A001 |
| 651 | F021C2MA006 | 648 | F021C37A006 | 647 | F021C3FA006 | 651 | F021C3MA006 | 648 | F021C47A006 |
| 651 | F021C2MA012 | 648 | F021C37A012 | 647 | F021C3FA012 | 651 | F021C3MA012 | 648 | F021C47A012 |
| 651 | F021C2MA018 | 648 | F021C37A018 | 647 | F021C3FA018 | 651 | F021C3MA018 | 648 | F021C47A018 |
| 651 | F021C2MA030 | 648 | F021C37A030 | 647 | F021C3FA030 | 651 | F021C3MA030 | 648 | F021C47A030 |
| 651 | F021C2MA033 | 648 | F021C37A033 | 647 | F021C3FA033 | 651 | F021C3MA033 | 648 | F021C47A033 |
| 657 | F021C2MD001 | 654 | F021C37D001 | 653 | F021C3FD001 | 657 | F021C3MD001 | 654 | F021C47D001 |
| 657 | F021C2MD006 | 654 | F021C37D006 | 653 | F021C3FD006 | 657 | F021C3MD006 | 654 | F021C47D006 |
| 657 | F021C2MD012 | 654 | F021C37D012 | 653 | F021C3FD012 | 657 | F021C3MD012 | 654 | F021C47D012 |
| 657 | F021C2MD018 | 654 | F021C37D018 | 653 | F021C3FD018 | 657 | F021C3MD018 | 654 | F021C47D018 |
| 657 | F021C2MD030 | 654 | F021C37D030 | 653 | F021C3FD030 | 657 | F021C3MD030 | 654 | F021C47D030 |
| 657 | F021C2MD033 | 654 | F021C37D033 | 653 | F021C3FD033 | 657 | F021C3MD033 | 654 | F021C47D033 |
| 646 | F021C32A001 | 650 | F021C38A001 | 649 | F021C3GA001 | 646 | F021C42A001 | 650 | F021C48A001 |
| 646 | F021C32A006 | 650 | F021C38A006 | 649 | F021C3GA006 | 646 | F021C42A006 | 650 | F021C48A006 |
| 646 | F021C32A012 | 650 | F021C38A012 | 649 | F021C3GA012 | 646 | F021C42A012 | 650 | F021C48A012 |
| 646 | F021C32A018 | 650 | F021C38A018 | 649 | F021C3GA018 | 646 | F021C42A018 | 650 | F021C48A018 |
| 646 | F021C32A030 | 650 | F021C38A030 | 649 | F021C3GA030 | 646 | F021C42A030 | 650 | F021C48A030 |
| 646 | F021C32A033 | 650 | F021C38A033 | 649 | F021C3GA033 | 646 | F021C42A033 | 650 | F021C48A033 |
| 652 | F021C32D001 | 656 | F021C38D001 | 655 | F021C3GD001 | 652 | F021C42D001 | 656 | F021C48D001 |
| 652 | F021C32D006 | 656 | F021C38D006 | 655 | F021C3GD006 | 652 | F021C42D006 | 656 | F021C48D006 |
| 652 | F021C32D012 | 656 | F021C38D012 | 655 | F021C3GD012 | 652 | F021C42D012 | 656 | F021C48D012 |
| 652 | F021C32D018 | 656 | F021C38D018 | 655 | F021C3GD018 | 652 | F021C42D018 | 656 | F021C48D018 |
| 652 | F021C32D030 | 656 | F021C38D030 | 655 | F021C3GD030 | 652 | F021C42D030 | 656 | F021C48D030 |
| 652 | F021C32D033 | 656 | F021C38D033 | 655 | F021C3GD033 | 652 | F021C42D033 | 656 | F021C48D033 |
| 648 | F021C33A001 | 647 | F021C3BA001 | 651 | F021C3HA001 | 648 | F021C43A001 | 647 | F021C4BA001 |
| 648 | F021C33A006 | 647 | F021C3BA006 | 651 | F021C3HA006 | 648 | F021C43A006 | 647 | F021C4BA006 |
| 648 | F021C33A012 | 647 | F021C3BA012 | 651 | F021C3HA012 | 648 | F021C43A012 | 647 | F021C4BA012 |
| 648 | F021C33A018 | 647 | F021C3BA018 | 651 | F021C3HA018 | 648 | F021C43A018 | 647 | F021C4BA018 |
| 648 | F021C33A030 | 647 | F021C3BA030 | 651 | F021C3HA030 | 648 | F021C43A030 | 647 | F021C4BA030 |
| 648 | F021C33A033 | 647 | F021C3BA033 | 651 | F021C3HA033 | 648 | F021C43A033 | 647 | F021C4BA033 |
| 654 | F021C33D001 | 652 | F021C3BD001 | 657 | F021C3HD001 | 654 | F021C43D001 | 652 | F021C4BD001 |
| 654 | F021C33D006 | 652 | F021C3BD006 | 657 | F021C3HD006 | 654 | F021C43D006 | 652 | F021C4BD006 |
| 654 | F021C33D012 | 652 | F021C3BD012 | 657 | F021C3HD012 | 654 | F021C43D012 | 652 | F021C4BD012 |
| 654 | F021C33D018 | 652 | F021C3BD018 | 657 | F021C3HD018 | 654 | F021C43D018 | 652 | F021C4BD018 |
| 654 | F021C33D030 | 652 | F021C3BD030 | 657 | F021C3HD030 | 654 | F021C43D030 | 652 | F021C4BD030 |
| 654 | F021C33D033 | 652 | F021C3BD033 | 657 | F021C3HD033 | 654 | F021C43D033 | 652 | F021C4BD033 |
| 650 | F021C34A001 | 649 | F021C3CA001 | 647 | F021C3KA001 | 650 | F021C44A001 | 649 | F021C4CA001 |
| 650 | F021C34A006 | 649 | F021C3CA006 | 647 | F021C3KA006 | 650 | F021C44A006 | 649 | F021C4CA006 |
| 650 | F021C34A012 | 649 | F021C3CA012 | 647 | F021C3KA012 | 650 | F021C44A012 | 649 | F021C4CA012 |
| 650 | F021C34A018 | 649 | F021C3CA018 | 647 | F021C3KA018 | 650 | F021C44A018 | 649 | F021C4CA018 |
| 650 | F021C34A030 | 649 | F021C3CA030 | 647 | F021C3KA030 | 650 | F021C44A030 | 649 | F021C4CA030 |
| 650 | F021C34A033 | 649 | F021C3CA033 | 647 | F021C3KA033 | 650 | F021C44A033 | 649 | F021C4CA033 |
| 656 | F021C34D001 | 654 | F021C3CD001 | 653 | F021C3KD001 | 656 | F021C44D001 | 654 | F021C4CD001 |
| 656 | F021C34D006 | 654 | F021C3CD006 | 653 | F021C3KD006 | 656 | F021C44D006 | 654 | F021C4CD006 |
| 656 | F021C34D012 | 654 | F021C3CD012 | 653 | F021C3KD012 | 656 | F021C44D012 | 654 | F021C4CD012 |

| Page | Reference | Page | Reference | Page | Reference | Page | Reference | Page | Reference |
|---|---|---|---|---|---|---|---|---|---|
| 654 | F021C4CD018 | 653 | F021C4KD018 | 661 | F021G2MA018 | 660 | F021G4KA018 | 660 | F021H3JA018 |
| 654 | F021C4CD030 | 653 | F021C4KD030 | 661 | F021G2MA030 | 660 | F021G4KA030 | 660 | F021H3JA030 |
| 654 | F021C4CD033 | 653 | F021C4KD033 | 661 | F021G2MA033 | 660 | F021G4KA033 | 660 | F021H3JA033 |
| 651 | F021C4DA001 | 649 | F021C4LA001 | 663 | F021G2MD001 | 662 | F021G4KD001 | 660 | F021H3KA001 |
| 651 | F021C4DA006 | 649 | F021C4LA006 | 663 | F021G2MD006 | 662 | F021G4KD006 | 660 | F021H3KA006 |
| 651 | F021C4DA012 | 649 | F021C4LA012 | 663 | F021G2MD012 | 662 | F021G4KD012 | 660 | F021H3KA012 |
| 651 | F021C4DA018 | 649 | F021C4LA018 | 663 | F021G2MD018 | 662 | F021G4KD018 | 660 | F021H3KA018 |
| 651 | F021C4DA030 | 649 | F021C4LA030 | 663 | F021G2MD030 | 662 | F021G4KD030 | 660 | F021H3KA030 |
| 651 | F021C4DA033 | 649 | F021C4LA033 | 663 | F021G2MD033 | 662 | F021G4KD033 | 660 | F021H3KA033 |
| 656 | F021C4DD001 | 655 | F021C4LD001 | 660 | F021G3JA001 | 661 | F021G4LA001 | 661 | F021H3LA001 |
| 656 | F021C4DD006 | 655 | F021C4LD006 | 660 | F021G3JA006 | 661 | F021G4LA006 | 661 | F021H3LA006 |
| 656 | F021C4DD012 | 655 | F021C4LD012 | 660 | F021G3JA012 | 661 | F021G4LA012 | 661 | F021H3LA012 |
| 656 | F021C4DD018 | 655 | F021C4LD018 | 660 | F021G3JA018 | 661 | F021G4LA018 | 661 | F021H3LA018 |
| 656 | F021C4DD030 | 655 | F021C4LD030 | 660 | F021G3JA030 | 661 | F021G4LA030 | 661 | F021H3LA030 |
| 656 | F021C4DD033 | 655 | F021C4LD033 | 660 | F021G3JA033 | 661 | F021G4LA033 | 661 | F021H3LA033 |
| 647 | F021C4FA001 | 651 | F021C4MA001 | 660 | F021G3KA001 | 662 | F021G4LD001 | 661 | F021H3MA001 |
| 647 | F021C4FA006 | 651 | F021C4MA006 | 660 | F021G3KA006 | 662 | F021G4LD006 | 661 | F021H3MA006 |
| 647 | F021C4FA012 | 651 | F021C4MA012 | 660 | F021G3KA012 | 662 | F021G4LD012 | 661 | F021H3MA012 |
| 647 | F021C4FA018 | 651 | F021C4MA018 | 660 | F021G3KA018 | 662 | F021G4LD018 | 661 | F021H3MA018 |
| 647 | F021C4FA030 | 651 | F021C4MA030 | 660 | F021G3KA030 | 662 | F021G4LD030 | 661 | F021H3MA030 |
| 647 | F021C4FA033 | 651 | F021C4MA033 | 660 | F021G3KA033 | 662 | F021G4LD033 | 661 | F021H3MA033 |
| 653 | F021C4FD001 | 657 | F021C4MD001 | 662 | F021G3KD001 | 661 | F021G4MA001 | 660 | F021H4JA001 |
| 653 | F021C4FD006 | 657 | F021C4MD006 | 662 | F021G3KD006 | 661 | F021G4MA006 | 660 | F021H4JA006 |
| 653 | F021C4FD012 | 657 | F021C4MD012 | 662 | F021G3KD012 | 661 | F021G4MA012 | 660 | F021H4JA012 |
| 653 | F021C4FD018 | 657 | F021C4MD018 | 662 | F021G3KD018 | 661 | F021G4MA018 | 660 | F021H4JA018 |
| 653 | F021C4FD030 | 657 | F021C4MD030 | 662 | F021G3KD030 | 661 | F021G4MA030 | 660 | F021H4JA030 |
| 653 | F021C4FD033 | 657 | F021C4MD033 | 662 | F021G3KD033 | 661 | F021G4MA033 | 660 | F021H4JA033 |
| 649 | F021C4GA001 | 660 | F021G2JA001 | 661 | F021G3LA001 | 663 | F021G4MD001 | 660 | F021H4KA001 |
| 649 | F021C4GA006 | 660 | F021G2JA006 | 661 | F021G3LA006 | 663 | F021G4MD006 | 660 | F021H4KA006 |
| 649 | F021C4GA012 | 660 | F021G2JA012 | 661 | F021G3LA012 | 663 | F021G4MD012 | 660 | F021H4KA012 |
| 649 | F021C4GA018 | 660 | F021G2JA018 | 661 | F021G3LA018 | 663 | F021G4MD018 | 660 | F021H4KA018 |
| 649 | F021C4GA030 | 660 | F021G2JA030 | 661 | F021G3LA030 | 663 | F021G4MD030 | 660 | F021H4KA030 |
| 649 | F021C4GA033 | 660 | F021G2JA033 | 661 | F021G3LA033 | 663 | F021G4MD033 | 660 | F021H4KA033 |
| 655 | F021C4GD001 | 660 | F021G2KA001 | 662 | F021G3LD001 | 660 | F021H2JA001 | 661 | F021H4LA001 |
| 655 | F021C4GD006 | 660 | F021G2KA006 | 662 | F021G3LD006 | 660 | F021H2JA006 | 661 | F021H4LA006 |
| 655 | F021C4GD012 | 660 | F021G2KA012 | 662 | F021G3LD012 | 660 | F021H2JA012 | 661 | F021H4LA012 |
| 655 | F021C4GD018 | 660 | F021G2KA018 | 662 | F021G3LD018 | 660 | F021H2JA018 | 661 | F021H4LA018 |
| 655 | F021C4GD030 | 660 | F021G2KA030 | 662 | F021G3LD030 | 660 | F021H2JA030 | 661 | F021H4LA030 |
| 655 | F021C4GD033 | 660 | F021G2KA033 | 662 | F021G3LD033 | 660 | F021H2JA033 | 661 | F021H4LA033 |
| 651 | F021C4HA001 | 662 | F021G2KD001 | 661 | F021G3MA001 | 660 | F021H2KA001 | 661 | F021H4MA001 |
| 651 | F021C4HA006 | 662 | F021G2KD006 | 661 | F021G3MA006 | 660 | F021H2KA006 | 661 | F021H4MA006 |
| 651 | F021C4HA012 | 662 | F021G2KD012 | 661 | F021G3MA012 | 660 | F021H2KA012 | 661 | F021H4MA012 |
| 651 | F021C4HA018 | 662 | F021G2KD018 | 661 | F021G3MA018 | 660 | F021H2KA018 | 661 | F021H4MA018 |
| 651 | F021C4HA030 | 662 | F021G2KD030 | 661 | F021G3MA030 | 660 | F021H2KA030 | 661 | F021H4MA030 |
| 651 | F021C4HA033 | 662 | F021G2KD033 | 661 | F021G3MA033 | 660 | F021H2KA033 | 661 | F021H4MA033 |
| 657 | F021C4HD001 | 661 | F021G2LA001 | 663 | F021G3MD001 | 661 | F021H2LA001 | 660 | F021J2KA001 |
| 657 | F021C4HD006 | 661 | F021G2LA006 | 663 | F021G3MD006 | 661 | F021H2LA006 | 660 | F021J2KA006 |
| 657 | F021C4HD012 | 661 | F021G2LA012 | 663 | F021G3MD012 | 661 | F021H2LA012 | 660 | F021J2KA012 |
| 657 | F021C4HD018 | 661 | F021G2LA018 | 663 | F021G3MD018 | 661 | F021H2LA018 | 660 | F021J2KA018 |
| 657 | F021C4HD030 | 661 | F021G2LA030 | 663 | F021G3MD030 | 661 | F021H2LA030 | 660 | F021J2KA030 |
| 657 | F021C4HD033 | 661 | F021G2LA033 | 663 | F021G3MD033 | 661 | F021H2LA033 | 660 | F021J2KA033 |
| 647 | F021C4KA001 | 662 | F021G2LD001 | 660 | F021G4JA001 | 661 | F021H2MA001 | 662 | F021J2KD001 |
| 647 | F021C4KA006 | 662 | F021G2LD006 | 660 | F021G4JA006 | 661 | F021H2MA006 | 662 | F021J2KD006 |
| 647 | F021C4KA012 | 662 | F021G2LD012 | 660 | F021G4JA012 | 661 | F021H2MA012 | 662 | F021J2KD012 |
| 647 | F021C4KA018 | 662 | F021G2LD018 | 660 | F021G4JA018 | 661 | F021H2MA018 | 662 | F021J2KD018 |
| 647 | F021C4KA030 | 662 | F021G2LD030 | 660 | F021G4JA030 | 661 | F021H2MA030 | 662 | F021J2KD030 |
| 647 | F021C4KA033 | 662 | F021G2LD033 | 660 | F021G4JA033 | 661 | F021H2MA033 | 662 | F021J2KD033 |
| 653 | F021C4KD001 | 661 | F021G2MA001 | 660 | F021G4KA001 | 660 | F021H3JA001 | 661 | F021J2LA001 |
| 653 | F021C4KD006 | 661 | F021G2MA006 | 660 | F021G4KA006 | 660 | F021H3JA006 | 661 | F021J2LA006 |
| 653 | F021C4KD012 | 661 | F021G2MA012 | 660 | F021G4KA012 | 660 | F021H3JA012 | 661 | F021J2LA012 |

| Page | Reference | Page | Reference | Page | Reference | Page | Reference | Page | Reference |
|---|---|---|---|---|---|---|---|---|---|
| 661 | F021J2LA018 | 660 | F021J4KA018 | 664 | F021LTKD018 | 659 | F021PTLD018 | 170 | F023B2BB001 |
| 661 | F021J2LA030 | 660 | F021J4KA030 | 664 | F021LTKD030 | 659 | F021PTLD030 | 170 | F023B2BB006 |
| 661 | F021J2LA033 | 660 | F021J4KA033 | 664 | F021LTKD033 | 659 | F021PTLD033 | 170 | F023B2BB012 |
| 662 | F021J2LD001 | 662 | F021J4KD001 | 664 | F021LTLD001 | 659 | F021PTMD001 | 170 | F023B2BB018 |
| 662 | F021J2LD006 | 662 | F021J4KD006 | 664 | F021LTLD006 | 659 | F021PTMD006 | 170 | F023B2BB030 |
| 662 | F021J2LD012 | 662 | F021J4KD012 | 664 | F021LTLD012 | 659 | F021PTMD012 | 170 | F023B2BB033 |
| 662 | F021J2LD018 | 662 | F021J4KD018 | 664 | F021LTLD018 | 659 | F021PTMD018 | 170 | F023B2BD001 |
| 662 | F021J2LD030 | 662 | F021J4KD030 | 664 | F021LTLD030 | 659 | F021PTMD030 | 170 | F023B2BD006 |
| 662 | F021J2LD033 | 662 | F021J4KD033 | 664 | F021LTLD033 | 659 | F021PTMD033 | 170 | F023B2BD012 |
| 661 | F021J2MA001 | 661 | F021J4LA001 | 664 | F021LTMD001 | 659 | F021QTKD001 | 170 | F023B2BD018 |
| 661 | F021J2MA006 | 661 | F021J4LA006 | 664 | F021LTMD006 | 659 | F021QTKD006 | 170 | F023B2BD030 |
| 661 | F021J2MA012 | 661 | F021J4LA012 | 664 | F021LTMD012 | 659 | F021QTKD012 | 170 | F023B2BD033 |
| 661 | F021J2MA018 | 661 | F021J4LA018 | 664 | F021LTMD018 | 659 | F021QTKD018 | 170 | F023B3AA001 |
| 661 | F021J2MA030 | 661 | F021J4LA030 | 664 | F021LTMD030 | 659 | F021QTKD030 | 170 | F023B3AA006 |
| 661 | F021J2MA033 | 661 | F021J4LA033 | 664 | F021LTMD033 | 659 | F021QTKD033 | 170 | F023B3AA012 |
| 663 | F021J2MD001 | 662 | F021J4LD001 | 658 | F021MRKJ001 | 659 | F021QTLD001 | 170 | F023B3AA018 |
| 663 | F021J2MD006 | 662 | F021J4LD006 | 658 | F021MRKJ006 | 659 | F021QTLD006 | 170 | F023B3AA030 |
| 663 | F021J2MD012 | 662 | F021J4LD012 | 658 | F021MRKJ012 | 659 | F021QTLD012 | 170 | F023B3AA033 |
| 663 | F021J2MD018 | 662 | F021J4LD018 | 658 | F021MRKJ018 | 659 | F021QTLD018 | 170 | F023B3AB001 |
| 663 | F021J2MD030 | 662 | F021J4LD030 | 658 | F021MRKJ030 | 659 | F021QTLD030 | 170 | F023B3AB006 |
| 663 | F021J2MD033 | 662 | F021J4LD033 | 658 | F021MRKJ033 | 659 | F021QTLD033 | 170 | F023B3AB012 |
| 660 | F021J3KA001 | 661 | F021J4MA001 | 658 | F021MRLJ001 | 659 | F021QTMD001 | 170 | F023B3AB018 |
| 660 | F021J3KA006 | 661 | F021J4MA006 | 658 | F021MRLJ006 | 659 | F021QTMD006 | 170 | F023B3AB030 |
| 660 | F021J3KA012 | 661 | F021J4MA012 | 658 | F021MRLJ012 | 659 | F021QTMD012 | 170 | F023B3AB033 |
| 660 | F021J3KA018 | 661 | F021J4MA018 | 658 | F021MRLJ018 | 659 | F021QTMD018 | 170 | F023B3AD001 |
| 660 | F021J3KA030 | 661 | F021J4MA030 | 658 | F021MRLJ030 | 659 | F021QTMD030 | 170 | F023B3AD006 |
| 660 | F021J3KA033 | 661 | F021J4MA033 | 658 | F021MRLJ033 | 659 | F021QTMD033 | 170 | F023B3AD012 |
| 662 | F021J3KD001 | 663 | F021J4MD001 | 658 | F021MRMJ001 | 640 | F021Z010000 | 170 | F023B3AD018 |
| 662 | F021J3KD006 | 663 | F021J4MD006 | 658 | F021MRMJ006 | 665 | F021Z020000 | 170 | F023B3AD030 |
| 662 | F021J3KD012 | 663 | F021J4MD012 | 658 | F021MRMJ012 | 665 | F021Z030000 | 170 | F023B3AD033 |
| 662 | F021J3KD018 | 663 | F021J4MD018 | 658 | F021MRMJ018 | 666 | F021Z040000 | 170 | F023B3BA001 |
| 662 | F021J3KD030 | 663 | F021J4MD030 | 658 | F021MRMJ030 | 666 | F021Z050000 | 170 | F023B3BA006 |
| 662 | F021J3KD033 | 663 | F021J4MD033 | 658 | F021MRMJ033 | 666 | F021Z060000 | 170 | F023B3BA012 |
| 661 | F021J3LA001 | 664 | F021KTJD001 | 658 | F021MWKJ001 | 640 | F021Z070000 | 170 | F023B3BA018 |
| 661 | F021J3LA006 | 664 | F021KTJD006 | 658 | F021MWKJ006 | 640 | F021Z090000 | 170 | F023B3BA030 |
| 661 | F021J3LA012 | 664 | F021KTJD012 | 658 | F021MWKJ012 | 640 | F021Z100000 | 170 | F023B3BA033 |
| 661 | F021J3LA018 | 664 | F021KTJD018 | 658 | F021MWKJ018 | 170 | F023B2AA001 | 170 | F023B3BB001 |
| 661 | F021J3LA030 | 664 | F021KTJD030 | 658 | F021MWKJ030 | 170 | F023B2AA006 | 170 | F023B3BB006 |
| 661 | F021J3LA033 | 664 | F021KTJD033 | 658 | F021MWKJ033 | 170 | F023B2AA012 | 170 | F023B3BB012 |
| 662 | F021J3LD001 | 664 | F021KTKD001 | 658 | F021MWLJ001 | 170 | F023B2AA018 | 170 | F023B3BB018 |
| 662 | F021J3LD006 | 664 | F021KTKD006 | 658 | F021MWLJ006 | 170 | F023B2AA030 | 170 | F023B3BB030 |
| 662 | F021J3LD012 | 664 | F021KTKD012 | 658 | F021MWLJ012 | 170 | F023B2AA033 | 170 | F023B3BB033 |
| 662 | F021J3LD018 | 664 | F021KTKD018 | 658 | F021MWLJ018 | 170 | F023B2AB001 | 170 | F023B3BD001 |
| 662 | F021J3LD030 | 664 | F021KTKD030 | 658 | F021MWLJ030 | 170 | F023B2AB006 | 170 | F023B3BD006 |
| 662 | F021J3LD033 | 664 | F021KTKD033 | 658 | F021MWLJ033 | 170 | F023B2AB012 | 170 | F023B3BD012 |
| 661 | F021J3MA001 | 664 | F021KTLD001 | 658 | F021MWMJ001 | 170 | F023B2AB018 | 170 | F023B3BD018 |
| 661 | F021J3MA006 | 664 | F021KTLD006 | 658 | F021MWMJ006 | 170 | F023B2AB030 | 170 | F023B3BD030 |
| 661 | F021J3MA012 | 664 | F021KTLD012 | 658 | F021MWMJ012 | 170 | F023B2AB033 | 170 | F023B3BD033 |
| 661 | F021J3MA018 | 664 | F021KTLD018 | 658 | F021MWMJ018 | 170 | F023B2AD001 | 170 | F023B4AA001 |
| 661 | F021J3MA030 | 664 | F021KTLD030 | 658 | F021MWMJ030 | 170 | F023B2AD006 | 170 | F023B4AA006 |
| 661 | F021J3MA033 | 664 | F021KTLD033 | 658 | F021MWMJ033 | 170 | F023B2AD012 | 170 | F023B4AA012 |
| 663 | F021J3MD001 | 664 | F021KTMD001 | 659 | F021PTKD001 | 170 | F023B2AD018 | 170 | F023B4AA018 |
| 663 | F021J3MD006 | 664 | F021KTMD006 | 659 | F021PTKD006 | 170 | F023B2AD030 | 170 | F023B4AA030 |
| 663 | F021J3MD012 | 664 | F021KTMD012 | 659 | F021PTKD012 | 170 | F023B2AD033 | 170 | F023B4AA033 |
| 663 | F021J3MD018 | 664 | F021KTMD018 | 659 | F021PTKD018 | 170 | F023B2BA001 | 170 | F023B4AB001 |
| 663 | F021J3MD030 | 664 | F021KTMD030 | 659 | F021PTKD030 | 170 | F023B2BA006 | 170 | F023B4AB006 |
| 663 | F021J3MD033 | 664 | F021KTMD033 | 659 | F021PTKD033 | 170 | F023B2BA012 | 170 | F023B4AB012 |
| 660 | F021J4KA001 | 664 | F021LTKD001 | 659 | F021PTLD001 | 170 | F023B2BA018 | 170 | F023B4AB018 |
| 660 | F021J4KA006 | 664 | F021LTKD006 | 659 | F021PTLD006 | 170 | F023B2BA030 | 170 | F023B4AB030 |
| 660 | F021J4KA012 | 664 | F021LTKD012 | 659 | F021PTLD012 | 170 | F023B2BA033 | 170 | F023B4AB033 |

| Page | Reference | Page | Reference | Page | Reference | Page | Reference | Page | Reference |
|---|---|---|---|---|---|---|---|---|---|
| 170 | F023B4AD001 | 171 | F023C3CA001 | 171 | F023C4DB001 | 165 | F023E2CD001 | 164 | F023E4AA001 |
| 170 | F023B4AD006 | 171 | F023C3CA006 | 171 | F023C4DB006 | 165 | F023E2CD006 | 164 | F023E4AA006 |
| 170 | F023B4AD012 | 171 | F023C3CA012 | 171 | F023C4DB012 | 165 | F023E2CD012 | 164 | F023E4AA012 |
| 170 | F023B4AD018 | 171 | F023C3CA018 | 171 | F023C4DB018 | 165 | F023E2CD018 | 164 | F023E4AA018 |
| 170 | F023B4AD030 | 171 | F023C3CA030 | 171 | F023C4DB030 | 165 | F023E2CD030 | 164 | F023E4AA030 |
| 170 | F023B4AD033 | 171 | F023C3CA033 | 171 | F023C4DB033 | 165 | F023E2CD033 | 164 | F023E4AA033 |
| 170 | F023B4BA001 | 171 | F023C3CB001 | 171 | F023C4DD001 | 164 | F023E3AA001 | 164 | F023E4AB001 |
| 170 | F023B4BA006 | 171 | F023C3CB006 | 171 | F023C4DD006 | 164 | F023E3AA006 | 164 | F023E4AB006 |
| 170 | F023B4BA012 | 171 | F023C3CB012 | 171 | F023C4DD012 | 164 | F023E3AA012 | 164 | F023E4AB012 |
| 170 | F023B4BA018 | 171 | F023C3CB018 | 171 | F023C4DD018 | 164 | F023E3AA018 | 164 | F023E4AB018 |
| 170 | F023B4BA030 | 171 | F023C3CB030 | 171 | F023C4DD030 | 164 | F023E3AA030 | 164 | F023E4AB030 |
| 170 | F023B4BA033 | 171 | F023C3CB033 | 171 | F023C4DD033 | 164 | F023E3AA033 | 164 | F023E4AB033 |
| 170 | F023B4BB001 | 171 | F023C3CD001 | 164 | F023E2AA001 | 164 | F023E3AB001 | 164 | F023E4AD001 |
| 170 | F023B4BB006 | 171 | F023C3CD006 | 164 | F023E2AA006 | 164 | F023E3AB006 | 164 | F023E4AD006 |
| 170 | F023B4BB012 | 171 | F023C3CD012 | 164 | F023E2AA012 | 164 | F023E3AB012 | 164 | F023E4AD012 |
| 170 | F023B4BB018 | 171 | F023C3CD018 | 164 | F023E2AA018 | 164 | F023E3AB018 | 164 | F023E4AD018 |
| 170 | F023B4BB030 | 171 | F023C3CD030 | 164 | F023E2AA030 | 164 | F023E3AB030 | 164 | F023E4AD030 |
| 170 | F023B4BB033 | 171 | F023C3CD033 | 164 | F023E2AA033 | 164 | F023E3AB033 | 164 | F023E4AD033 |
| 170 | F023B4BD001 | 171 | F023C3DA001 | 164 | F023E2AB001 | 164 | F023E3AD001 | 164 | F023E4BA001 |
| 170 | F023B4BD006 | 171 | F023C3DA006 | 164 | F023E2AB006 | 164 | F023E3AD006 | 164 | F023E4BA006 |
| 170 | F023B4BD012 | 171 | F023C3DA012 | 164 | F023E2AB012 | 164 | F023E3AD012 | 164 | F023E4BA012 |
| 170 | F023B4BD018 | 171 | F023C3DA018 | 164 | F023E2AB018 | 164 | F023E3AD018 | 164 | F023E4BA018 |
| 170 | F023B4BD030 | 171 | F023C3DA030 | 164 | F023E2AB030 | 164 | F023E3AD030 | 164 | F023E4BA030 |
| 170 | F023B4BD033 | 171 | F023C3DA033 | 164 | F023E2AB033 | 164 | F023E3AD033 | 164 | F023E4BA033 |
| 171 | F023C2CA001 | 171 | F023C3DB001 | 164 | F023E2AD001 | 164 | F023E3BA001 | 164 | F023E4BB001 |
| 171 | F023C2CA006 | 171 | F023C3DB006 | 164 | F023E2AD006 | 164 | F023E3BA006 | 164 | F023E4BB006 |
| 171 | F023C2CA012 | 171 | F023C3DB012 | 164 | F023E2AD012 | 164 | F023E3BA012 | 164 | F023E4BB012 |
| 171 | F023C2CA018 | 171 | F023C3DB018 | 164 | F023E2AD018 | 164 | F023E3BA018 | 164 | F023E4BB018 |
| 171 | F023C2CA030 | 171 | F023C3DB030 | 164 | F023E2AD030 | 164 | F023E3BA030 | 164 | F023E4BB030 |
| 171 | F023C2CA033 | 171 | F023C3DB033 | 164 | F023E2AD033 | 164 | F023E3BA033 | 164 | F023E4BB033 |
| 171 | F023C2CB001 | 171 | F023C3DD001 | 164 | F023E2BA001 | 164 | F023E3BB001 | 164 | F023E4BD001 |
| 171 | F023C2CB006 | 171 | F023C3DD006 | 164 | F023E2BA006 | 164 | F023E3BB006 | 164 | F023E4BD006 |
| 171 | F023C2CB012 | 171 | F023C3DD012 | 164 | F023E2BA012 | 164 | F023E3BB012 | 164 | F023E4BD012 |
| 171 | F023C2CB018 | 171 | F023C3DD018 | 164 | F023E2BA018 | 164 | F023E3BB018 | 164 | F023E4BD018 |
| 171 | F023C2CB030 | 171 | F023C3DD030 | 164 | F023E2BA030 | 164 | F023E3BB030 | 164 | F023E4BD030 |
| 171 | F023C2CB033 | 171 | F023C3DD033 | 164 | F023E2BA033 | 164 | F023E3BB033 | 164 | F023E4BD033 |
| 171 | F023C2CD001 | 171 | F023C4CA001 | 164 | F023E2BB001 | 164 | F023E3BD001 | 165 | F023E4CA001 |
| 171 | F023C2CD006 | 171 | F023C4CA006 | 164 | F023E2BB006 | 164 | F023E3BD006 | 165 | F023E4CA006 |
| 171 | F023C2CD012 | 171 | F023C4CA012 | 164 | F023E2BB012 | 164 | F023E3BD012 | 165 | F023E4CA012 |
| 171 | F023C2CD018 | 171 | F023C4CA018 | 164 | F023E2BB018 | 164 | F023E3BD018 | 165 | F023E4CA018 |
| 171 | F023C2CD030 | 171 | F023C4CA030 | 164 | F023E2BB030 | 164 | F023E3BD030 | 165 | F023E4CA030 |
| 171 | F023C2CD033 | 171 | F023C4CA033 | 164 | F023E2BB033 | 164 | F023E3BD033 | 165 | F023E4CA033 |
| 171 | F023C2DA001 | 171 | F023C4CB001 | 164 | F023E2BD001 | 165 | F023E3CA001 | 165 | F023E4CB001 |
| 171 | F023C2DA006 | 171 | F023C4CB006 | 164 | F023E2BD006 | 165 | F023E3CA006 | 165 | F023E4CB006 |
| 171 | F023C2DA012 | 171 | F023C4CB012 | 164 | F023E2BD012 | 165 | F023E3CA012 | 165 | F023E4CB012 |
| 171 | F023C2DA018 | 171 | F023C4CB018 | 164 | F023E2BD018 | 165 | F023E3CA018 | 165 | F023E4CB018 |
| 171 | F023C2DA030 | 171 | F023C4CB030 | 164 | F023E2BD030 | 165 | F023E3CA030 | 165 | F023E4CB030 |
| 171 | F023C2DA033 | 171 | F023C4CB033 | 164 | F023E2BD033 | 165 | F023E3CA033 | 165 | F023E4CB033 |
| 171 | F023C2DB001 | 171 | F023C4CD001 | 165 | F023E2CA001 | 165 | F023E3CB001 | 165 | F023E4CD001 |
| 171 | F023C2DB006 | 171 | F023C4CD006 | 165 | F023E2CA006 | 165 | F023E3CB006 | 165 | F023E4CD006 |
| 171 | F023C2DB012 | 171 | F023C4CD012 | 165 | F023E2CA012 | 165 | F023E3CB012 | 165 | F023E4CD012 |
| 171 | F023C2DB018 | 171 | F023C4CD018 | 165 | F023E2CA018 | 165 | F023E3CB018 | 165 | F023E4CD018 |
| 171 | F023C2DB030 | 171 | F023C4CD030 | 165 | F023E2CA030 | 165 | F023E3CB030 | 165 | F023E4CD030 |
| 171 | F023C2DB033 | 171 | F023C4CD033 | 165 | F023E2CA033 | 165 | F023E3CB033 | 165 | F023E4CD033 |
| 171 | F023C2DD001 | 171 | F023C4DA001 | 165 | F023E2CB001 | 165 | F023E3CD001 | 167 | F023F2AA001 |
| 171 | F023C2DD006 | 171 | F023C4DA006 | 165 | F023E2CB006 | 165 | F023E3CD006 | 167 | F023F2AA006 |
| 171 | F023C2DD012 | 171 | F023C4DA012 | 165 | F023E2CB012 | 165 | F023E3CD012 | 167 | F023F2AA012 |
| 171 | F023C2DD018 | 171 | F023C4DA018 | 165 | F023E2CB018 | 165 | F023E3CD018 | 167 | F023F2AA018 |
| 171 | F023C2DD030 | 171 | F023C4DA030 | 165 | F023E2CB030 | 165 | F023E3CD030 | 167 | F023F2AA030 |
| 171 | F023C2DD033 | 171 | F023C4DA033 | 165 | F023E2CB033 | 165 | F023E3CD033 | 167 | F023F2AA033 |

| Page | Reference | Page | Reference | Page | Reference | Page | Reference | Page | Reference |
|---|---|---|---|---|---|---|---|---|---|
| 167 | F023F2AB001 | 167 | F023F3AD001 | 167 | F023F4BA001 | 172 | F023G2FA001 | 172 | F023G3GA001 |
| 167 | F023F2AB006 | 167 | F023F3AD006 | 167 | F023F4BA006 | 172 | F023G2FA006 | 172 | F023G3GA006 |
| 167 | F023F2AB012 | 167 | F023F3AD012 | 167 | F023F4BA012 | 172 | F023G2FA012 | 172 | F023G3GA012 |
| 167 | F023F2AB018 | 167 | F023F3AD018 | 167 | F023F4BA018 | 172 | F023G2FA018 | 172 | F023G3GA018 |
| 167 | F023F2AB030 | 167 | F023F3AD030 | 167 | F023F4BA030 | 172 | F023G2FA030 | 172 | F023G3GA030 |
| 167 | F023F2AB033 | 167 | F023F3AD033 | 167 | F023F4BA033 | 172 | F023G2FA033 | 172 | F023G3GA033 |
| 167 | F023F2AD001 | 167 | F023F3BA001 | 167 | F023F4BB001 | 172 | F023G2GA001 | 173 | F023G3JA001 |
| 167 | F023F2AD006 | 167 | F023F3BA006 | 167 | F023F4BB006 | 172 | F023G2GA006 | 173 | F023G3JA006 |
| 167 | F023F2AD012 | 167 | F023F3BA012 | 167 | F023F4BB012 | 172 | F023G2GA012 | 173 | F023G3JA012 |
| 167 | F023F2AD018 | 167 | F023F3BA018 | 167 | F023F4BB018 | 172 | F023G2GA018 | 173 | F023G3JA018 |
| 167 | F023F2AD030 | 167 | F023F3BA030 | 167 | F023F4BB030 | 172 | F023G2GA030 | 173 | F023G3JA030 |
| 167 | F023F2AD033 | 167 | F023F3BA033 | 167 | F023F4BB033 | 172 | F023G2GA033 | 173 | F023G3JA033 |
| 167 | F023F2BA001 | 167 | F023F3BB001 | 167 | F023F4BD001 | 173 | F023G2JA001 | 173 | F023G3KA001 |
| 167 | F023F2BA006 | 167 | F023F3BB006 | 167 | F023F4BD006 | 173 | F023G2JA006 | 173 | F023G3KA006 |
| 167 | F023F2BA012 | 167 | F023F3BB012 | 167 | F023F4BD012 | 173 | F023G2JA012 | 173 | F023G3KA012 |
| 167 | F023F2BA018 | 167 | F023F3BB018 | 167 | F023F4BD018 | 173 | F023G2JA018 | 173 | F023G3KA018 |
| 167 | F023F2BA030 | 167 | F023F3BB030 | 167 | F023F4BD030 | 173 | F023G2JA030 | 173 | F023G3KA030 |
| 167 | F023F2BA033 | 167 | F023F3BB033 | 167 | F023F4BD033 | 173 | F023G2JA033 | 173 | F023G3KA033 |
| 167 | F023F2BB001 | 167 | F023F3BD001 | 168 | F023F4CA001 | 173 | F023G2KA001 | 173 | F023G3LA001 |
| 167 | F023F2BB006 | 167 | F023F3BD006 | 168 | F023F4CA006 | 173 | F023G2KA006 | 173 | F023G3LA006 |
| 167 | F023F2BB012 | 167 | F023F3BD012 | 168 | F023F4CA012 | 173 | F023G2KA012 | 173 | F023G3LA012 |
| 167 | F023F2BB018 | 167 | F023F3BD018 | 168 | F023F4CA018 | 173 | F023G2KA018 | 173 | F023G3LA018 |
| 167 | F023F2BB030 | 167 | F023F3BD030 | 168 | F023F4CA030 | 173 | F023G2KA030 | 173 | F023G3LA030 |
| 167 | F023F2BB033 | 167 | F023F3BD033 | 168 | F023F4CA033 | 173 | F023G2KA033 | 173 | F023G3LA033 |
| 167 | F023F2BD001 | 168 | F023F3CA001 | 168 | F023F4CB001 | 173 | F023G2LA001 | 174 | F023G45A001 |
| 167 | F023F2BD006 | 168 | F023F3CA006 | 168 | F023F4CB006 | 173 | F023G2LA006 | 174 | F023G45A006 |
| 167 | F023F2BD012 | 168 | F023F3CA012 | 168 | F023F4CB012 | 173 | F023G2LA012 | 174 | F023G45A012 |
| 167 | F023F2BD018 | 168 | F023F3CA018 | 168 | F023F4CB018 | 173 | F023G2LA018 | 174 | F023G45A018 |
| 167 | F023F2BD030 | 168 | F023F3CA030 | 168 | F023F4CB030 | 173 | F023G2LA030 | 174 | F023G45A030 |
| 167 | F023F2BD033 | 168 | F023F3CA033 | 168 | F023F4CB033 | 173 | F023G2LA033 | 174 | F023G45A033 |
| 168 | F023F2CA001 | 168 | F023F3CB001 | 168 | F023F4CD001 | 174 | F023G35A001 | 174 | F023G46A001 |
| 168 | F023F2CA006 | 168 | F023F3CB006 | 168 | F023F4CD006 | 174 | F023G35A006 | 174 | F023G46A006 |
| 168 | F023F2CA012 | 168 | F023F3CB012 | 168 | F023F4CD012 | 174 | F023G35A012 | 174 | F023G46A012 |
| 168 | F023F2CA018 | 168 | F023F3CB018 | 168 | F023F4CD018 | 174 | F023G35A018 | 174 | F023G46A018 |
| 168 | F023F2CA030 | 168 | F023F3CB030 | 168 | F023F4CD030 | 174 | F023G35A030 | 174 | F023G46A030 |
| 168 | F023F2CA033 | 168 | F023F3CB033 | 168 | F023F4CD033 | 174 | F023G35A033 | 174 | F023G46A033 |
| 168 | F023F2CB001 | 168 | F023F3CD001 | 174 | F023G25A001 | 174 | F023G36A001 | 174 | F023G47A001 |
| 168 | F023F2CB006 | 168 | F023F3CD006 | 174 | F023G25A006 | 174 | F023G36A006 | 174 | F023G47A006 |
| 168 | F023F2CB012 | 168 | F023F3CD012 | 174 | F023G25A012 | 174 | F023G36A012 | 174 | F023G47A012 |
| 168 | F023F2CB018 | 168 | F023F3CD018 | 174 | F023G25A018 | 174 | F023G36A018 | 174 | F023G47A018 |
| 168 | F023F2CB030 | 168 | F023F3CD030 | 174 | F023G25A030 | 174 | F023G36A030 | 174 | F023G47A030 |
| 168 | F023F2CB033 | 168 | F023F3CD033 | 174 | F023G25A033 | 174 | F023G36A033 | 174 | F023G47A033 |
| 168 | F023F2CD001 | 167 | F023F4AA001 | 174 | F023G26A001 | 174 | F023G37A001 | 172 | F023G4EA001 |
| 168 | F023F2CD006 | 167 | F023F4AA006 | 174 | F023G26A006 | 174 | F023G37A006 | 172 | F023G4EA006 |
| 168 | F023F2CD012 | 167 | F023F4AA012 | 174 | F023G26A012 | 174 | F023G37A012 | 172 | F023G4EA012 |
| 168 | F023F2CD018 | 167 | F023F4AA018 | 174 | F023G26A018 | 174 | F023G37A018 | 172 | F023G4EA018 |
| 168 | F023F2CD030 | 167 | F023F4AA030 | 174 | F023G26A030 | 174 | F023G37A030 | 172 | F023G4EA030 |
| 168 | F023F2CD033 | 167 | F023F4AA033 | 174 | F023G26A033 | 174 | F023G37A033 | 172 | F023G4EA033 |
| 167 | F023F3AA001 | 167 | F023F4AB001 | 174 | F023G27A001 | 172 | F023G3EA001 | 172 | F023G4FA001 |
| 167 | F023F3AA006 | 167 | F023F4AB006 | 174 | F023G27A006 | 172 | F023G3EA006 | 172 | F023G4FA006 |
| 167 | F023F3AA012 | 167 | F023F4AB012 | 174 | F023G27A012 | 172 | F023G3EA012 | 172 | F023G4FA012 |
| 167 | F023F3AA018 | 167 | F023F4AB018 | 174 | F023G27A018 | 172 | F023G3EA018 | 172 | F023G4FA018 |
| 167 | F023F3AA030 | 167 | F023F4AB030 | 174 | F023G27A030 | 172 | F023G3EA030 | 172 | F023G4FA030 |
| 167 | F023F3AA033 | 167 | F023F4AB033 | 174 | F023G27A033 | 172 | F023G3EA033 | 172 | F023G4FA033 |
| 167 | F023F3AB001 | 167 | F023F4AD001 | 172 | F023G2EA001 | 172 | F023G3FA001 | 172 | F023G4GA001 |
| 167 | F023F3AB006 | 167 | F023F4AD006 | 172 | F023G2EA006 | 172 | F023G3FA006 | 172 | F023G4GA006 |
| 167 | F023F3AB012 | 167 | F023F4AD012 | 172 | F023G2EA012 | 172 | F023G3FA012 | 172 | F023G4GA012 |
| 167 | F023F3AB018 | 167 | F023F4AD018 | 172 | F023G2EA018 | 172 | F023G3FA018 | 172 | F023G4GA018 |
| 167 | F023F3AB030 | 167 | F023F4AD030 | 172 | F023G2EA030 | 172 | F023G3FA030 | 172 | F023G4GA030 |
| 167 | F023F3AB033 | 167 | F023F4AD033 | 172 | F023G2EA033 | 172 | F023G3FA033 | 172 | F023G4GA033 |

| Page | Reference | Page | Reference | Page | Reference | Page | Reference | Page | Reference |
|---|---|---|---|---|---|---|---|---|---|
| 173 | F023G4JA001 | 176 | F023H26B001 | 176 | F023H35D001 | 176 | F023H45A001 | 178 | F023J21B001 |
| 173 | F023G4JA006 | 176 | F023H26B006 | 176 | F023H35D006 | 176 | F023H45A006 | 178 | F023J21B006 |
| 173 | F023G4JA012 | 176 | F023H26B012 | 176 | F023H35D012 | 176 | F023H45A012 | 178 | F023J21B012 |
| 173 | F023G4JA018 | 176 | F023H26B018 | 176 | F023H35D018 | 176 | F023H45A018 | 178 | F023J21B018 |
| 173 | F023G4JA030 | 176 | F023H26B030 | 176 | F023H35D030 | 176 | F023H45A030 | 178 | F023J21B030 |
| 173 | F023G4JA033 | 176 | F023H26B033 | 176 | F023H35D033 | 176 | F023H45A033 | 178 | F023J21B033 |
| 173 | F023G4KA001 | 176 | F023H26D001 | 176 | F023H36A001 | 176 | F023H45B001 | 178 | F023J21D001 |
| 173 | F023G4KA006 | 176 | F023H26D006 | 176 | F023H36A006 | 176 | F023H45B006 | 178 | F023J21D006 |
| 173 | F023G4KA012 | 176 | F023H26D012 | 176 | F023H36A012 | 176 | F023H45B012 | 178 | F023J21D012 |
| 173 | F023G4KA018 | 176 | F023H26D018 | 176 | F023H36A018 | 176 | F023H45B018 | 178 | F023J21D018 |
| 173 | F023G4KA030 | 176 | F023H26D030 | 176 | F023H36A030 | 176 | F023H45B030 | 178 | F023J21D030 |
| 173 | F023G4KA033 | 176 | F023H26D033 | 176 | F023H36A033 | 176 | F023H45B033 | 178 | F023J21D033 |
| 173 | F023G4LA001 | 177 | F023H27A001 | 176 | F023H36B001 | 176 | F023H45D001 | 178 | F023J22A001 |
| 173 | F023G4LA006 | 177 | F023H27A006 | 176 | F023H36B006 | 176 | F023H45D006 | 178 | F023J22A006 |
| 173 | F023G4LA012 | 177 | F023H27A012 | 176 | F023H36B012 | 176 | F023H45D012 | 178 | F023J22A012 |
| 173 | F023G4LA018 | 177 | F023H27A018 | 176 | F023H36B018 | 176 | F023H45D018 | 178 | F023J22A018 |
| 173 | F023G4LA030 | 177 | F023H27A030 | 176 | F023H36B030 | 176 | F023H45D030 | 178 | F023J22A030 |
| 173 | F023G4LA033 | 177 | F023H27A033 | 176 | F023H36B033 | 176 | F023H45D033 | 178 | F023J22A033 |
| 175 | F023H21A001 | 177 | F023H27B001 | 176 | F023H36D001 | 176 | F023H46A001 | 178 | F023J22B001 |
| 175 | F023H21A006 | 177 | F023H27B006 | 176 | F023H36D006 | 176 | F023H46A006 | 178 | F023J22B006 |
| 175 | F023H21A012 | 177 | F023H27B012 | 176 | F023H36D012 | 176 | F023H46A012 | 178 | F023J22B012 |
| 175 | F023H21A018 | 177 | F023H27B018 | 176 | F023H36D018 | 176 | F023H46A018 | 178 | F023J22B018 |
| 175 | F023H21A030 | 177 | F023H27B030 | 176 | F023H36D030 | 176 | F023H46A030 | 178 | F023J22B030 |
| 175 | F023H21A033 | 177 | F023H27B033 | 176 | F023H36D033 | 176 | F023H46A033 | 178 | F023J22B033 |
| 175 | F023H22A001 | 177 | F023H27D001 | 177 | F023H37A001 | 176 | F023H46B001 | 178 | F023J22D001 |
| 175 | F023H22A006 | 177 | F023H27D006 | 177 | F023H37A006 | 176 | F023H46B006 | 178 | F023J22D006 |
| 175 | F023H22A012 | 177 | F023H27D012 | 177 | F023H37A012 | 176 | F023H46B012 | 178 | F023J22D012 |
| 175 | F023H22A018 | 177 | F023H27D018 | 177 | F023H37A018 | 176 | F023H46B018 | 178 | F023J22D018 |
| 175 | F023H22A030 | 177 | F023H27D030 | 177 | F023H37A030 | 176 | F023H46B030 | 178 | F023J22D030 |
| 175 | F023H22A033 | 177 | F023H27D033 | 177 | F023H37A033 | 176 | F023H46B033 | 178 | F023J22D033 |
| 175 | F023H23A001 | 175 | F023H31A001 | 177 | F023H37B001 | 176 | F023H46D001 | 179 | F023J23A001 |
| 175 | F023H23A006 | 175 | F023H31A006 | 177 | F023H37B006 | 176 | F023H46D006 | 179 | F023J23A006 |
| 175 | F023H23A012 | 175 | F023H31A012 | 177 | F023H37B012 | 176 | F023H46D012 | 179 | F023J23A012 |
| 175 | F023H23A018 | 175 | F023H31A018 | 177 | F023H37B018 | 176 | F023H46D018 | 179 | F023J23A018 |
| 175 | F023H23A030 | 175 | F023H31A030 | 177 | F023H37B030 | 176 | F023H46D030 | 179 | F023J23A030 |
| 175 | F023H23A033 | 175 | F023H31A033 | 177 | F023H37B033 | 176 | F023H46D033 | 179 | F023J23A033 |
| 176 | F023H25A001 | 175 | F023H32A001 | 177 | F023H37D001 | 177 | F023H47A001 | 179 | F023J23B001 |
| 176 | F023H25A006 | 175 | F023H32A006 | 177 | F023H37D006 | 177 | F023H47A006 | 179 | F023J23B006 |
| 176 | F023H25A012 | 175 | F023H32A012 | 177 | F023H37D012 | 177 | F023H47A012 | 179 | F023J23B012 |
| 176 | F023H25A018 | 175 | F023H32A018 | 177 | F023H37D018 | 177 | F023H47A018 | 179 | F023J23B018 |
| 176 | F023H25A030 | 175 | F023H32A030 | 177 | F023H37D030 | 177 | F023H47A030 | 179 | F023J23B030 |
| 176 | F023H25A033 | 175 | F023H32A033 | 177 | F023H37D033 | 177 | F023H47A033 | 179 | F023J23B033 |
| 176 | F023H25B001 | 175 | F023H33A001 | 175 | F023H41A001 | 177 | F023H47B001 | 179 | F023J23D001 |
| 176 | F023H25B006 | 175 | F023H33A006 | 175 | F023H41A006 | 177 | F023H47B006 | 179 | F023J23D006 |
| 176 | F023H25B012 | 175 | F023H33A012 | 175 | F023H41A012 | 177 | F023H47B012 | 179 | F023J23D012 |
| 176 | F023H25B018 | 175 | F023H33A018 | 175 | F023H41A018 | 177 | F023H47B018 | 179 | F023J23D018 |
| 176 | F023H25B030 | 175 | F023H33A030 | 175 | F023H41A030 | 177 | F023H47B030 | 179 | F023J23D030 |
| 176 | F023H25B033 | 175 | F023H33A033 | 175 | F023H41A033 | 177 | F023H47B033 | 179 | F023J23D033 |
| 176 | F023H25D001 | 176 | F023H35A001 | 175 | F023H42A001 | 177 | F023H47D001 | 180 | F023J25A001 |
| 176 | F023H25D006 | 176 | F023H35A006 | 175 | F023H42A006 | 177 | F023H47D006 | 180 | F023J25A006 |
| 176 | F023H25D012 | 176 | F023H35A012 | 175 | F023H42A012 | 177 | F023H47D012 | 180 | F023J25A012 |
| 176 | F023H25D018 | 176 | F023H35A018 | 175 | F023H42A018 | 177 | F023H47D018 | 180 | F023J25A018 |
| 176 | F023H25D030 | 176 | F023H35A030 | 175 | F023H42A030 | 177 | F023H47D030 | 180 | F023J25A030 |
| 176 | F023H25D033 | 176 | F023H35A033 | 175 | F023H42A033 | 177 | F023H47D033 | 180 | F023J25A033 |
| 176 | F023H26A001 | 176 | F023H35B001 | 175 | F023H43A001 | 178 | F023J21A001 | 180 | F023J25B001 |
| 176 | F023H26A006 | 176 | F023H35B006 | 175 | F023H43A006 | 178 | F023J21A006 | 180 | F023J25B006 |
| 176 | F023H26A012 | 176 | F023H35B012 | 175 | F023H43A012 | 178 | F023J21A012 | 180 | F023J25B012 |
| 176 | F023H26A018 | 176 | F023H35B018 | 175 | F023H43A018 | 178 | F023J21A018 | 180 | F023J25B018 |
| 176 | F023H26A030 | 176 | F023H35B030 | 175 | F023H43A030 | 178 | F023J21A030 | 180 | F023J25B030 |
| 176 | F023H26A033 | 176 | F023H35B033 | 175 | F023H43A033 | 178 | F023J21A033 | 180 | F023J25B033 |

| Page | Reference | Page | Reference | Page | Reference | Page | Reference | Page | Reference |
|---|---|---|---|---|---|---|---|---|---|
| 180 | F023J25D001 | 178 | F023J32A001 | 180 | F023J36B001 | 178 | F023J42D001 | 181 | F023J47A001 |
| 180 | F023J25D006 | 178 | F023J32A006 | 180 | F023J36B006 | 178 | F023J42D006 | 181 | F023J47A006 |
| 180 | F023J25D012 | 178 | F023J32A012 | 180 | F023J36B012 | 178 | F023J42D012 | 181 | F023J47A012 |
| 180 | F023J25D018 | 178 | F023J32A018 | 180 | F023J36B018 | 178 | F023J42D018 | 181 | F023J47A018 |
| 180 | F023J25D030 | 178 | F023J32A030 | 180 | F023J36B030 | 178 | F023J42D030 | 181 | F023J47A030 |
| 180 | F023J25D033 | 178 | F023J32A033 | 180 | F023J36B033 | 178 | F023J42D033 | 181 | F023J47A033 |
| 180 | F023J26A001 | 178 | F023J32B001 | 180 | F023J36D001 | 179 | F023J43A001 | 181 | F023J47B001 |
| 180 | F023J26A006 | 178 | F023J32B006 | 180 | F023J36D006 | 179 | F023J43A006 | 181 | F023J47B006 |
| 180 | F023J26A012 | 178 | F023J32B012 | 180 | F023J36D012 | 179 | F023J43A012 | 181 | F023J47B012 |
| 180 | F023J26A018 | 178 | F023J32B018 | 180 | F023J36D018 | 179 | F023J43A018 | 181 | F023J47B018 |
| 180 | F023J26A030 | 178 | F023J32B030 | 180 | F023J36D030 | 179 | F023J43A030 | 181 | F023J47B030 |
| 180 | F023J26A033 | 178 | F023J32B033 | 180 | F023J36D033 | 179 | F023J43A033 | 181 | F023J47B033 |
| 180 | F023J26B001 | 178 | F023J32D001 | 181 | F023J37A001 | 179 | F023J43B001 | 181 | F023J47D001 |
| 180 | F023J26B006 | 178 | F023J32D006 | 181 | F023J37A006 | 179 | F023J43B006 | 181 | F023J47D006 |
| 180 | F023J26B012 | 178 | F023J32D012 | 181 | F023J37A012 | 179 | F023J43B012 | 181 | F023J47D012 |
| 180 | F023J26B018 | 178 | F023J32D018 | 181 | F023J37A018 | 179 | F023J43B018 | 181 | F023J47D018 |
| 180 | F023J26B030 | 178 | F023J32D030 | 181 | F023J37A030 | 179 | F023J43B030 | 181 | F023J47D030 |
| 180 | F023J26B033 | 178 | F023J32D033 | 181 | F023J37A033 | 179 | F023J43B033 | 181 | F023J47D033 |
| 180 | F023J26D001 | 179 | F023J33A001 | 181 | F023J37B001 | 179 | F023J43D001 | 182 | F023K21A001 |
| 180 | F023J26D006 | 179 | F023J33A006 | 181 | F023J37B006 | 179 | F023J43D006 | 182 | F023K21A006 |
| 180 | F023J26D012 | 179 | F023J33A012 | 181 | F023J37B012 | 179 | F023J43D012 | 182 | F023K21A012 |
| 180 | F023J26D018 | 179 | F023J33A018 | 181 | F023J37B018 | 179 | F023J43D018 | 182 | F023K21A018 |
| 180 | F023J26D030 | 179 | F023J33A030 | 181 | F023J37B030 | 179 | F023J43D030 | 182 | F023K21A030 |
| 180 | F023J26D033 | 179 | F023J33A033 | 181 | F023J37B033 | 179 | F023J43D033 | 182 | F023K21A033 |
| 181 | F023J27A001 | 179 | F023J33B001 | 181 | F023J37D001 | 180 | F023J45A001 | 182 | F023K22A001 |
| 181 | F023J27A006 | 179 | F023J33B006 | 181 | F023J37D006 | 180 | F023J45A006 | 182 | F023K22A006 |
| 181 | F023J27A012 | 179 | F023J33B012 | 181 | F023J37D012 | 180 | F023J45A012 | 182 | F023K22A012 |
| 181 | F023J27A018 | 179 | F023J33B018 | 181 | F023J37D018 | 180 | F023J45A018 | 182 | F023K22A018 |
| 181 | F023J27A030 | 179 | F023J33B030 | 181 | F023J37D030 | 180 | F023J45A030 | 182 | F023K22A030 |
| 181 | F023J27A033 | 179 | F023J33B033 | 181 | F023J37D033 | 180 | F023J45A033 | 182 | F023K22A033 |
| 181 | F023J27B001 | 179 | F023J33D001 | 178 | F023J41A001 | 180 | F023J45B001 | 182 | F023K23A001 |
| 181 | F023J27B006 | 179 | F023J33D006 | 178 | F023J41A006 | 180 | F023J45B006 | 182 | F023K23A006 |
| 181 | F023J27B012 | 179 | F023J33D012 | 178 | F023J41A012 | 180 | F023J45B012 | 182 | F023K23A012 |
| 181 | F023J27B018 | 179 | F023J33D018 | 178 | F023J41A018 | 180 | F023J45B018 | 182 | F023K23A018 |
| 181 | F023J27B030 | 179 | F023J33D030 | 178 | F023J41A030 | 180 | F023J45B030 | 182 | F023K23A030 |
| 181 | F023J27B033 | 179 | F023J33D033 | 178 | F023J41A033 | 180 | F023J45B033 | 182 | F023K23A033 |
| 181 | F023J27D001 | 180 | F023J35A001 | 178 | F023J41B001 | 180 | F023J45D001 | 182 | F023K31A001 |
| 181 | F023J27D006 | 180 | F023J35A006 | 178 | F023J41B006 | 180 | F023J45D006 | 182 | F023K31A006 |
| 181 | F023J27D012 | 180 | F023J35A012 | 178 | F023J41B012 | 180 | F023J45D012 | 182 | F023K31A012 |
| 181 | F023J27D018 | 180 | F023J35A018 | 178 | F023J41B018 | 180 | F023J45D018 | 182 | F023K31A018 |
| 181 | F023J27D030 | 180 | F023J35A030 | 178 | F023J41B030 | 180 | F023J45D030 | 182 | F023K31A030 |
| 181 | F023J27D033 | 180 | F023J35A033 | 178 | F023J41B033 | 180 | F023J45D033 | 182 | F023K31A033 |
| 178 | F023J31A001 | 180 | F023J35B001 | 178 | F023J41D001 | 180 | F023J46A001 | 182 | F023K32A001 |
| 178 | F023J31A006 | 180 | F023J35B006 | 178 | F023J41D006 | 180 | F023J46A006 | 182 | F023K32A006 |
| 178 | F023J31A012 | 180 | F023J35B012 | 178 | F023J41D012 | 180 | F023J46A012 | 182 | F023K32A012 |
| 178 | F023J31A018 | 180 | F023J35B018 | 178 | F023J41D018 | 180 | F023J46A018 | 182 | F023K32A018 |
| 178 | F023J31A030 | 180 | F023J35B030 | 178 | F023J41D030 | 180 | F023J46A030 | 182 | F023K32A030 |
| 178 | F023J31A033 | 180 | F023J35B033 | 178 | F023J41D033 | 180 | F023J46A033 | 182 | F023K32A033 |
| 178 | F023J31B001 | 180 | F023J35D001 | 178 | F023J42A001 | 180 | F023J46B001 | 182 | F023K33A001 |
| 178 | F023J31B006 | 180 | F023J35D006 | 178 | F023J42A006 | 180 | F023J46B006 | 182 | F023K33A006 |
| 178 | F023J31B012 | 180 | F023J35D012 | 178 | F023J42A012 | 180 | F023J46B012 | 182 | F023K33A012 |
| 178 | F023J31B018 | 180 | F023J35D018 | 178 | F023J42A018 | 180 | F023J46B018 | 182 | F023K33A018 |
| 178 | F023J31B030 | 180 | F023J35D030 | 178 | F023J42A030 | 180 | F023J46B030 | 182 | F023K33A030 |
| 178 | F023J31B033 | 180 | F023J35D033 | 178 | F023J42A033 | 180 | F023J46B033 | 182 | F023K33A033 |
| 178 | F023J31D001 | 180 | F023J36A001 | 178 | F023J42B001 | 180 | F023J46D001 | 182 | F023K41A001 |
| 178 | F023J31D006 | 180 | F023J36A006 | 178 | F023J42B006 | 180 | F023J46D006 | 182 | F023K41A006 |
| 178 | F023J31D012 | 180 | F023J36A012 | 178 | F023J42B012 | 180 | F023J46D012 | 182 | F023K41A012 |
| 178 | F023J31D018 | 180 | F023J36A018 | 178 | F023J42B018 | 180 | F023J46D018 | 182 | F023K41A018 |
| 178 | F023J31D030 | 180 | F023J36A030 | 178 | F023J42B030 | 180 | F023J46D030 | 182 | F023K41A030 |
| 178 | F023J31D033 | 180 | F023J36A033 | 178 | F023J42B033 | 180 | F023J46D033 | 182 | F023K41A033 |

| Page | Reference | Page | Reference | Page | Reference | Page | Reference | Page | Reference |
|---|---|---|---|---|---|---|---|---|---|
| 182 | F023K42A001 | 183 | F023L43A001 | 184 | F023M31A001 | 184 | F023M41B001 | 130 | F02502CA006 |
| 182 | F023K42A006 | 183 | F023L43A006 | 184 | F023M31A006 | 184 | F023M41B006 | 130 | F02502CA012 |
| 182 | F023K42A012 | 183 | F023L43A012 | 184 | F023M31A012 | 184 | F023M41B012 | 130 | F02502CA018 |
| 182 | F023K42A018 | 183 | F023L43A018 | 184 | F023M31A018 | 184 | F023M41B018 | 130 | F02502CA030 |
| 182 | F023K42A030 | 183 | F023L43A030 | 184 | F023M31A030 | 184 | F023M41B030 | 130 | F02502CA033 |
| 182 | F023K42A033 | 183 | F023L43A033 | 184 | F023M31A033 | 184 | F023M41B033 | 130 | F02503BA001 |
| 182 | F023K43A001 | 184 | F023M21A001 | 184 | F023M31B001 | 184 | F023M41D001 | 130 | F02503BA006 |
| 182 | F023K43A006 | 184 | F023M21A006 | 184 | F023M31B006 | 184 | F023M41D006 | 130 | F02503BA012 |
| 182 | F023K43A012 | 184 | F023M21A012 | 184 | F023M31B012 | 184 | F023M41D012 | 130 | F02503BA018 |
| 182 | F023K43A018 | 184 | F023M21A018 | 184 | F023M31B018 | 184 | F023M41D018 | 130 | F02503BA030 |
| 182 | F023K43A030 | 184 | F023M21A030 | 184 | F023M31B030 | 184 | F023M41D030 | 130 | F02503BA033 |
| 182 | F023K43A033 | 184 | F023M21A033 | 184 | F023M31B033 | 184 | F023M41D033 | 130 | F02503CA001 |
| 183 | F023L21A001 | 184 | F023M21B001 | 184 | F023M31D001 | 184 | F023M42A001 | 130 | F02503CA006 |
| 183 | F023L21A006 | 184 | F023M21B006 | 184 | F023M31D006 | 184 | F023M42A006 | 130 | F02503CA012 |
| 183 | F023L21A012 | 184 | F023M21B012 | 184 | F023M31D012 | 184 | F023M42A012 | 130 | F02503CA018 |
| 183 | F023L21A018 | 184 | F023M21B018 | 184 | F023M31D018 | 184 | F023M42A018 | 130 | F02503CA030 |
| 183 | F023L21A030 | 184 | F023M21B030 | 184 | F023M31D030 | 184 | F023M42A030 | 130 | F02503CA033 |
| 183 | F023L21A033 | 184 | F023M21B033 | 184 | F023M31D033 | 184 | F023M42A033 | 130 | F02504BA001 |
| 183 | F023L22A001 | 184 | F023M21D001 | 184 | F023M32A001 | 184 | F023M42B001 | 130 | F02504BA006 |
| 183 | F023L22A006 | 184 | F023M21D006 | 184 | F023M32A006 | 184 | F023M42B006 | 130 | F02504BA012 |
| 183 | F023L22A012 | 184 | F023M21D012 | 184 | F023M32A012 | 184 | F023M42B012 | 130 | F02504BA018 |
| 183 | F023L22A018 | 184 | F023M21D018 | 184 | F023M32A018 | 184 | F023M42B018 | 130 | F02504BA030 |
| 183 | F023L22A030 | 184 | F023M21D030 | 184 | F023M32A030 | 184 | F023M42B030 | 130 | F02504BA033 |
| 183 | F023L22A033 | 184 | F023M21D033 | 184 | F023M32A033 | 184 | F023M42B033 | 130 | F02504CA001 |
| 183 | F023L23A001 | 184 | F023M22A001 | 184 | F023M32B001 | 184 | F023M42D001 | 130 | F02504CA006 |
| 183 | F023L23A006 | 184 | F023M22A006 | 184 | F023M32B006 | 184 | F023M42D006 | 130 | F02504CA012 |
| 183 | F023L23A012 | 184 | F023M22A012 | 184 | F023M32B012 | 184 | F023M42D012 | 130 | F02504CA018 |
| 183 | F023L23A018 | 184 | F023M22A018 | 184 | F023M32B018 | 184 | F023M42D018 | 130 | F02504CA030 |
| 183 | F023L23A030 | 184 | F023M22A030 | 184 | F023M32B030 | 184 | F023M42D030 | 130 | F02504CA033 |
| 183 | F023L23A033 | 184 | F023M22A033 | 184 | F023M32B033 | 184 | F023M42D033 | 144 | F02512AA001 |
| 183 | F023L31A001 | 184 | F023M22B001 | 184 | F023M32D001 | 185 | F023M43A001 | 144 | F02512AA006 |
| 183 | F023L31A006 | 184 | F023M22B006 | 184 | F023M32D006 | 185 | F023M43A006 | 144 | F02512AA012 |
| 183 | F023L31A012 | 184 | F023M22B012 | 184 | F023M32D012 | 185 | F023M43A012 | 144 | F02512AA018 |
| 183 | F023L31A018 | 184 | F023M22B018 | 184 | F023M32D018 | 185 | F023M43A018 | 144 | F02512AA030 |
| 183 | F023L31A030 | 184 | F023M22B030 | 184 | F023M32D030 | 185 | F023M43A030 | 144 | F02512AA033 |
| 183 | F023L31A033 | 184 | F023M22B033 | 184 | F023M32D033 | 185 | F023M43A033 | 144 | F02512BA001 |
| 183 | F023L32A001 | 184 | F023M22D001 | 185 | F023M33A001 | 185 | F023M43B001 | 144 | F02512BA006 |
| 183 | F023L32A006 | 184 | F023M22D006 | 185 | F023M33A006 | 185 | F023M43B006 | 144 | F02512BA012 |
| 183 | F023L32A012 | 184 | F023M22D012 | 185 | F023M33A012 | 185 | F023M43B012 | 144 | F02512BA018 |
| 183 | F023L32A018 | 184 | F023M22D018 | 185 | F023M33A018 | 185 | F023M43B018 | 144 | F02512BA030 |
| 183 | F023L32A030 | 184 | F023M22D030 | 185 | F023M33A030 | 185 | F023M43B030 | 144 | F02512BA033 |
| 183 | F023L32A033 | 184 | F023M22D033 | 185 | F023M33A033 | 185 | F023M43B033 | 144 | F02512CA001 |
| 183 | F023L33A001 | 185 | F023M23A001 | 185 | F023M33B001 | 185 | F023M43D001 | 144 | F02512CA006 |
| 183 | F023L33A006 | 185 | F023M23A006 | 185 | F023M33B006 | 185 | F023M43D006 | 144 | F02512CA012 |
| 183 | F023L33A012 | 185 | F023M23A012 | 185 | F023M33B012 | 185 | F023M43D012 | 144 | F02512CA018 |
| 183 | F023L33A018 | 185 | F023M23A018 | 185 | F023M33B018 | 185 | F023M43D018 | 144 | F02512CA030 |
| 183 | F023L33A030 | 185 | F023M23A030 | 185 | F023M33B030 | 185 | F023M43D030 | 144 | F02512CA033 |
| 183 | F023L33A033 | 185 | F023M23A033 | 185 | F023M33B033 | 185 | F023M43D033 | 144 | F02512DA001 |
| 183 | F023L41A001 | 185 | F023M23B001 | 185 | F023M33D001 | 170 | F023Z020000 | 144 | F02512DA006 |
| 183 | F023L41A006 | 185 | F023M23B006 | 185 | F023M33D006 | 171 | F023Z030000 | 144 | F02512DA012 |
| 183 | F023L41A012 | 185 | F023M23B012 | 185 | F023M33D012 | 171 | F023Z040000 | 144 | F02512DA018 |
| 183 | F023L41A018 | 185 | F023M23B018 | 185 | F023M33D018 | 166 | F023Z050000 | 144 | F02512DA030 |
| 183 | F023L41A030 | 185 | F023M23B030 | 185 | F023M33D030 | 169 | F023Z060000 | 144 | F02512DA033 |
| 183 | F023L41A033 | 185 | F023M23B033 | 185 | F023M33D033 | 130 | F02502BA001 | 145 | F02512EA001 |
| 183 | F023L42A001 | 185 | F023M23D001 | 184 | F023M41A001 | 130 | F02502BA006 | 145 | F02512EA006 |
| 183 | F023L42A006 | 185 | F023M23D006 | 184 | F023M41A006 | 130 | F02502BA012 | 145 | F02512EA012 |
| 183 | F023L42A012 | 185 | F023M23D012 | 184 | F023M41A012 | 130 | F02502BA018 | 145 | F02512EA018 |
| 183 | F023L42A018 | 185 | F023M23D018 | 184 | F023M41A018 | 130 | F02502BA030 | 145 | F02512EA030 |
| 183 | F023L42A030 | 185 | F023M23D030 | 184 | F023M41A030 | 130 | F02502BA033 | 145 | F02512EA033 |
| 183 | F023L42A033 | 185 | F023M23D033 | 184 | F023M41A033 | 130 | F02502CA001 | 145 | F02512FA001 |

| Page | Reference | Page | Reference | Page | Reference | Page | Reference | Page | Reference |
|---|---|---|---|---|---|---|---|---|---|
| 145 | F02512FA006 | 145 | F02513HA006 | 146 | F02522CA006 | 147 | F02523FA006 | 132 | F02552AA006 |
| 145 | F02512FA012 | 145 | F02513HA012 | 146 | F02522CA012 | 147 | F02523FA012 | 132 | F02552AA012 |
| 145 | F02512FA018 | 145 | F02513HA018 | 146 | F02522CA018 | 147 | F02523FA018 | 132 | F02552AA018 |
| 145 | F02512FA030 | 145 | F02513HA030 | 146 | F02522CA030 | 147 | F02523FA030 | 132 | F02552AA030 |
| 145 | F02512FA033 | 145 | F02513HA033 | 146 | F02522CA033 | 147 | F02523FA033 | 132 | F02552AA033 |
| 145 | F02512GA001 | 144 | F02514AA001 | 146 | F02522DA001 | 147 | F02523GA001 | 132 | F02552BA001 |
| 145 | F02512GA006 | 144 | F02514AA006 | 146 | F02522DA006 | 147 | F02523GA006 | 132 | F02552BA006 |
| 145 | F02512GA012 | 144 | F02514AA012 | 146 | F02522DA012 | 147 | F02523GA012 | 132 | F02552BA012 |
| 145 | F02512GA018 | 144 | F02514AA018 | 146 | F02522DA018 | 147 | F02523GA018 | 132 | F02552BA018 |
| 145 | F02512GA030 | 144 | F02514AA030 | 146 | F02522DA030 | 147 | F02523GA030 | 132 | F02552BA030 |
| 145 | F02512GA033 | 144 | F02514AA033 | 146 | F02522DA033 | 147 | F02523GA033 | 132 | F02552BA033 |
| 145 | F02512HA001 | 144 | F02514BA001 | 146 | F02522EA001 | 147 | F02523HA001 | 132 | F02552CA001 |
| 145 | F02512HA006 | 144 | F02514BA006 | 146 | F02522EA006 | 147 | F02523HA006 | 132 | F02552CA006 |
| 145 | F02512HA012 | 144 | F02514BA012 | 146 | F02522EA012 | 147 | F02523HA012 | 132 | F02552CA012 |
| 145 | F02512HA018 | 144 | F02514BA018 | 146 | F02522EA018 | 147 | F02523HA018 | 132 | F02552CA018 |
| 145 | F02512HA030 | 144 | F02514BA030 | 146 | F02522EA030 | 147 | F02523HA030 | 132 | F02552CA030 |
| 145 | F02512HA033 | 144 | F02514BA033 | 146 | F02522EA033 | 147 | F02523HA033 | 132 | F02552CA033 |
| 144 | F02513AA001 | 144 | F02514CA001 | 147 | F02522FA001 | 146 | F02524BA001 | 132 | F02552DA001 |
| 144 | F02513AA006 | 144 | F02514CA006 | 147 | F02522FA006 | 146 | F02524BA006 | 132 | F02552DA006 |
| 144 | F02513AA012 | 144 | F02514CA012 | 147 | F02522FA012 | 146 | F02524BA012 | 132 | F02552DA012 |
| 144 | F02513AA018 | 144 | F02514CA018 | 147 | F02522FA018 | 146 | F02524BA018 | 132 | F02552DA018 |
| 144 | F02513AA030 | 144 | F02514CA030 | 147 | F02522FA030 | 146 | F02524BA030 | 132 | F02552DA030 |
| 144 | F02513AA033 | 144 | F02514CA033 | 147 | F02522FA033 | 146 | F02524BA033 | 132 | F02552DA033 |
| 144 | F02513BA001 | 144 | F02514DA001 | 147 | F02522GA001 | 146 | F02524CA001 | 133 | F02552EA001 |
| 144 | F02513BA006 | 144 | F02514DA006 | 147 | F02522GA006 | 146 | F02524CA006 | 133 | F02552EA006 |
| 144 | F02513BA012 | 144 | F02514DA012 | 147 | F02522GA012 | 146 | F02524CA012 | 133 | F02552EA012 |
| 144 | F02513BA018 | 144 | F02514DA018 | 147 | F02522GA018 | 146 | F02524CA018 | 133 | F02552EA018 |
| 144 | F02513BA030 | 144 | F02514DA030 | 147 | F02522GA030 | 146 | F02524CA030 | 133 | F02552EA030 |
| 144 | F02513BA033 | 144 | F02514DA033 | 147 | F02522GA033 | 146 | F02524CA033 | 133 | F02552EA033 |
| 144 | F02513CA001 | 145 | F02514EA001 | 147 | F02522HA001 | 146 | F02524DA001 | 133 | F02552FA001 |
| 144 | F02513CA006 | 145 | F02514EA006 | 147 | F02522HA006 | 146 | F02524DA006 | 133 | F02552FA006 |
| 144 | F02513CA012 | 145 | F02514EA012 | 147 | F02522HA012 | 146 | F02524DA012 | 133 | F02552FA012 |
| 144 | F02513CA018 | 145 | F02514EA018 | 147 | F02522HA018 | 146 | F02524DA018 | 133 | F02552FA018 |
| 144 | F02513CA030 | 145 | F02514EA030 | 147 | F02522HA030 | 146 | F02524DA030 | 133 | F02552FA030 |
| 144 | F02513CA033 | 145 | F02514EA033 | 147 | F02522HA033 | 146 | F02524DA033 | 133 | F02552FA033 |
| 144 | F02513DA001 | 145 | F02514FA001 | 146 | F02523BA001 | 146 | F02524EA001 | 133 | F02552GA001 |
| 144 | F02513DA006 | 145 | F02514FA006 | 146 | F02523BA006 | 146 | F02524EA006 | 133 | F02552GA006 |
| 144 | F02513DA012 | 145 | F02514FA012 | 146 | F02523BA012 | 146 | F02524EA012 | 133 | F02552GA012 |
| 144 | F02513DA018 | 145 | F02514FA018 | 146 | F02523BA018 | 146 | F02524EA018 | 133 | F02552GA018 |
| 144 | F02513DA030 | 145 | F02514FA030 | 146 | F02523BA030 | 146 | F02524EA030 | 133 | F02552GA030 |
| 144 | F02513DA033 | 145 | F02514FA033 | 146 | F02523BA033 | 146 | F02524EA033 | 133 | F02552GA033 |
| 145 | F02513EA001 | 145 | F02514GA001 | 146 | F02523CA001 | 147 | F02524FA001 | 133 | F02552HA001 |
| 145 | F02513EA006 | 145 | F02514GA006 | 146 | F02523CA006 | 147 | F02524FA006 | 133 | F02552HA006 |
| 145 | F02513EA012 | 145 | F02514GA012 | 146 | F02523CA012 | 147 | F02524FA012 | 133 | F02552HA012 |
| 145 | F02513EA018 | 145 | F02514GA018 | 146 | F02523CA018 | 147 | F02524FA018 | 133 | F02552HA018 |
| 145 | F02513EA030 | 145 | F02514GA030 | 146 | F02523CA030 | 147 | F02524FA030 | 133 | F02552HA030 |
| 145 | F02513EA033 | 145 | F02514GA033 | 146 | F02523CA033 | 147 | F02524FA033 | 133 | F02552HA033 |
| 145 | F02513FA001 | 145 | F02514HA001 | 146 | F02523DA001 | 147 | F02524GA001 | 132 | F02553AA001 |
| 145 | F02513FA006 | 145 | F02514HA006 | 146 | F02523DA006 | 147 | F02524GA006 | 132 | F02553AA006 |
| 145 | F02513FA012 | 145 | F02514HA012 | 146 | F02523DA012 | 147 | F02524GA012 | 132 | F02553AA012 |
| 145 | F02513FA018 | 145 | F02514HA018 | 146 | F02523DA018 | 147 | F02524GA018 | 132 | F02553AA018 |
| 145 | F02513FA030 | 145 | F02514HA030 | 146 | F02523DA030 | 147 | F02524GA030 | 132 | F02553AA030 |
| 145 | F02513FA033 | 145 | F02514HA033 | 146 | F02523DA033 | 147 | F02524GA033 | 132 | F02553AA033 |
| 145 | F02513GA001 | 146 | F02522BA001 | 146 | F02523EA001 | 147 | F02524HA001 | 132 | F02553BA001 |
| 145 | F02513GA006 | 146 | F02522BA006 | 146 | F02523EA006 | 147 | F02524HA006 | 132 | F02553BA006 |
| 145 | F02513GA012 | 146 | F02522BA012 | 146 | F02523EA012 | 147 | F02524HA012 | 132 | F02553BA012 |
| 145 | F02513GA018 | 146 | F02522BA018 | 146 | F02523EA018 | 147 | F02524HA018 | 132 | F02553BA018 |
| 145 | F02513GA030 | 146 | F02522BA030 | 146 | F02523EA030 | 147 | F02524HA030 | 132 | F02553BA030 |
| 145 | F02513GA033 | 146 | F02522BA033 | 146 | F02523EA033 | 147 | F02524HA033 | 132 | F02553BA033 |
| 145 | F02513HA001 | 146 | F02522CA001 | 147 | F02523FA001 | 132 | F02552AA001 | 132 | F02553CA001 |

| Page | Reference | Page | Reference | Page | Reference | Page | Reference | Page | Reference |
|---|---|---|---|---|---|---|---|---|---|
| 132 | F02553CA006 | 133 | F02554EA006 | 135 | F02562HA006 | 134 | F02564DA006 | 36 | F025A4CA006 |
| 132 | F02553CA012 | 133 | F02554EA012 | 135 | F02562HA012 | 134 | F02564DA012 | 36 | F025A4CA012 |
| 132 | F02553CA018 | 133 | F02554EA018 | 135 | F02562HA018 | 134 | F02564DA018 | 36 | F025A4CA018 |
| 132 | F02553CA030 | 133 | F02554EA030 | 135 | F02562HA030 | 134 | F02564DA030 | 36 | F025A4CA030 |
| 132 | F02553CA033 | 133 | F02554EA033 | 135 | F02562HA033 | 134 | F02564DA033 | 36 | F025A4CA033 |
| 132 | F02553DA001 | 133 | F02554FA001 | 134 | F02563BA001 | 134 | F02564EA001 | 48 | F025B2AA001 |
| 132 | F02553DA006 | 133 | F02554FA006 | 134 | F02563BA006 | 134 | F02564EA006 | 48 | F025B2AA006 |
| 132 | F02553DA012 | 133 | F02554FA012 | 134 | F02563BA012 | 134 | F02564EA012 | 48 | F025B2AA012 |
| 132 | F02553DA018 | 133 | F02554FA018 | 134 | F02563BA018 | 134 | F02564EA018 | 48 | F025B2AA018 |
| 132 | F02553DA030 | 133 | F02554FA030 | 134 | F02563BA030 | 134 | F02564EA030 | 48 | F025B2AA030 |
| 132 | F02553DA033 | 133 | F02554FA033 | 134 | F02563BA033 | 134 | F02564EA033 | 48 | F025B2AA033 |
| 133 | F02553EA001 | 133 | F02554GA001 | 134 | F02563CA001 | 135 | F02564FA001 | 48 | F025B2BA001 |
| 133 | F02553EA006 | 133 | F02554GA006 | 134 | F02563CA006 | 135 | F02564FA006 | 48 | F025B2BA006 |
| 133 | F02553EA012 | 133 | F02554GA012 | 134 | F02563CA012 | 135 | F02564FA012 | 48 | F025B2BA012 |
| 133 | F02553EA018 | 133 | F02554GA018 | 134 | F02563CA018 | 135 | F02564FA018 | 48 | F025B2BA018 |
| 133 | F02553EA030 | 133 | F02554GA030 | 134 | F02563CA030 | 135 | F02564FA030 | 48 | F025B2BA030 |
| 133 | F02553EA033 | 133 | F02554GA033 | 134 | F02563CA033 | 135 | F02564FA033 | 48 | F025B2BA033 |
| 133 | F02553FA001 | 133 | F02554HA001 | 134 | F02563DA001 | 135 | F02564GA001 | 48 | F025B2CA001 |
| 133 | F02553FA006 | 133 | F02554HA006 | 134 | F02563DA006 | 135 | F02564GA006 | 48 | F025B2CA006 |
| 133 | F02553FA012 | 133 | F02554HA012 | 134 | F02563DA012 | 135 | F02564GA012 | 48 | F025B2CA012 |
| 133 | F02553FA018 | 133 | F02554HA018 | 134 | F02563DA018 | 135 | F02564GA018 | 48 | F025B2CA018 |
| 133 | F02553FA030 | 133 | F02554HA030 | 134 | F02563DA030 | 135 | F02564GA030 | 48 | F025B2CA030 |
| 133 | F02553FA033 | 133 | F02554HA033 | 134 | F02563DA033 | 135 | F02564GA033 | 48 | F025B2CA033 |
| 133 | F02553GA001 | 134 | F02562BA001 | 134 | F02563EA001 | 135 | F02564HA001 | 48 | F025B2DA001 |
| 133 | F02553GA006 | 134 | F02562BA006 | 134 | F02563EA006 | 135 | F02564HA006 | 48 | F025B2DA006 |
| 133 | F02553GA012 | 134 | F02562BA012 | 134 | F02563EA012 | 135 | F02564HA012 | 48 | F025B2DA012 |
| 133 | F02553GA018 | 134 | F02562BA018 | 134 | F02563EA018 | 135 | F02564HA018 | 48 | F025B2DA018 |
| 133 | F02553GA030 | 134 | F02562BA030 | 134 | F02563EA030 | 135 | F02564HA030 | 48 | F025B2DA030 |
| 133 | F02553GA033 | 134 | F02562BA033 | 134 | F02563EA033 | 135 | F02564HA033 | 48 | F025B2DA033 |
| 133 | F02553HA001 | 134 | F02562CA001 | 135 | F02563FA001 | 36 | F025A2BA001 | 49 | F025B2EA001 |
| 133 | F02553HA006 | 134 | F02562CA006 | 135 | F02563FA006 | 36 | F025A2BA006 | 49 | F025B2EA006 |
| 133 | F02553HA012 | 134 | F02562CA012 | 135 | F02563FA012 | 36 | F025A2BA012 | 49 | F025B2EA012 |
| 133 | F02553HA018 | 134 | F02562CA018 | 135 | F02563FA018 | 36 | F025A2BA018 | 49 | F025B2EA018 |
| 133 | F02553HA030 | 134 | F02562CA030 | 135 | F02563FA030 | 36 | F025A2BA030 | 49 | F025B2EA030 |
| 133 | F02553HA033 | 134 | F02562CA033 | 135 | F02563FA033 | 36 | F025A2BA033 | 49 | F025B2EA033 |
| 132 | F02554AA001 | 134 | F02562DA001 | 135 | F02563GA001 | 36 | F025A2CA001 | 49 | F025B2FA001 |
| 132 | F02554AA006 | 134 | F02562DA006 | 135 | F02563GA006 | 36 | F025A2CA006 | 49 | F025B2FA006 |
| 132 | F02554AA012 | 134 | F02562DA012 | 135 | F02563GA012 | 36 | F025A2CA012 | 49 | F025B2FA012 |
| 132 | F02554AA018 | 134 | F02562DA018 | 135 | F02563GA018 | 36 | F025A2CA018 | 49 | F025B2FA018 |
| 132 | F02554AA030 | 134 | F02562DA030 | 135 | F02563GA030 | 36 | F025A2CA030 | 49 | F025B2FA030 |
| 132 | F02554AA033 | 134 | F02562DA033 | 135 | F02563GA033 | 36 | F025A2CA033 | 49 | F025B2FA033 |
| 132 | F02554BA001 | 134 | F02562EA001 | 135 | F02563HA001 | 36 | F025A3BA001 | 49 | F025B2GA001 |
| 132 | F02554BA006 | 134 | F02562EA006 | 135 | F02563HA006 | 36 | F025A3BA006 | 49 | F025B2GA006 |
| 132 | F02554BA012 | 134 | F02562EA012 | 135 | F02563HA012 | 36 | F025A3BA012 | 49 | F025B2GA012 |
| 132 | F02554BA018 | 134 | F02562EA018 | 135 | F02563HA018 | 36 | F025A3BA018 | 49 | F025B2GA018 |
| 132 | F02554BA030 | 134 | F02562EA030 | 135 | F02563HA030 | 36 | F025A3BA030 | 49 | F025B2GA030 |
| 132 | F02554BA033 | 134 | F02562EA033 | 135 | F02563HA033 | 36 | F025A3BA033 | 49 | F025B2GA033 |
| 132 | F02554CA001 | 135 | F02562FA001 | 134 | F02564BA001 | 36 | F025A3CA001 | 49 | F025B2HA001 |
| 132 | F02554CA006 | 135 | F02562FA006 | 134 | F02564BA006 | 36 | F025A3CA006 | 49 | F025B2HA006 |
| 132 | F02554CA012 | 135 | F02562FA012 | 134 | F02564BA012 | 36 | F025A3CA012 | 49 | F025B2HA012 |
| 132 | F02554CA018 | 135 | F02562FA018 | 134 | F02564BA018 | 36 | F025A3CA018 | 49 | F025B2HA018 |
| 132 | F02554CA030 | 135 | F02562FA030 | 134 | F02564BA030 | 36 | F025A3CA030 | 49 | F025B2HA030 |
| 132 | F02554CA033 | 135 | F02562FA033 | 134 | F02564BA033 | 36 | F025A3CA033 | 49 | F025B2HA033 |
| 132 | F02554DA001 | 135 | F02562GA001 | 134 | F02564CA001 | 36 | F025A4BA001 | 48 | F025B3AA001 |
| 132 | F02554DA006 | 135 | F02562GA006 | 134 | F02564CA006 | 36 | F025A4BA006 | 48 | F025B3AA006 |
| 132 | F02554DA012 | 135 | F02562GA012 | 134 | F02564CA012 | 36 | F025A4BA012 | 48 | F025B3AA012 |
| 132 | F02554DA018 | 135 | F02562GA018 | 134 | F02564CA018 | 36 | F025A4BA018 | 48 | F025B3AA018 |
| 132 | F02554DA030 | 135 | F02562GA030 | 134 | F02564CA030 | 36 | F025A4BA030 | 48 | F025B3AA030 |
| 132 | F02554DA033 | 135 | F02562GA033 | 134 | F02564CA033 | 36 | F025A4BA033 | 48 | F025B3AA033 |
| 133 | F02554EA001 | 135 | F02562HA001 | 134 | F02564DA001 | 36 | F025A4CA001 | 48 | F025B3BA001 |

| Page | Reference | Page | Reference | Page | Reference | Page | Reference | Page | Reference |
|---|---|---|---|---|---|---|---|---|---|
| 48 | F025B3BA006 | 48 | F025B4DA006 | 51 | F025C2GA006 | 50 | F025C4CA006 | 39 | F025D2EA006 |
| 48 | F025B3BA012 | 48 | F025B4DA012 | 51 | F025C2GA012 | 50 | F025C4CA012 | 39 | F025D2EA012 |
| 48 | F025B3BA018 | 48 | F025B4DA018 | 51 | F025C2GA018 | 50 | F025C4CA018 | 39 | F025D2EA018 |
| 48 | F025B3BA030 | 48 | F025B4DA030 | 51 | F025C2GA030 | 50 | F025C4CA030 | 39 | F025D2EA030 |
| 48 | F025B3BA033 | 48 | F025B4DA033 | 51 | F025C2GA033 | 50 | F025C4CA033 | 39 | F025D2EA033 |
| 48 | F025B3CA001 | 49 | F025B4EA001 | 51 | F025C2HA001 | 50 | F025C4DA001 | 39 | F025D2FA001 |
| 48 | F025B3CA006 | 49 | F025B4EA006 | 51 | F025C2HA006 | 50 | F025C4DA006 | 39 | F025D2FA006 |
| 48 | F025B3CA012 | 49 | F025B4EA012 | 51 | F025C2HA012 | 50 | F025C4DA012 | 39 | F025D2FA012 |
| 48 | F025B3CA018 | 49 | F025B4EA018 | 51 | F025C2HA018 | 50 | F025C4DA018 | 39 | F025D2FA018 |
| 48 | F025B3CA030 | 49 | F025B4EA030 | 51 | F025C2HA030 | 50 | F025C4DA030 | 39 | F025D2FA030 |
| 48 | F025B3CA033 | 49 | F025B4EA033 | 51 | F025C2HA033 | 50 | F025C4DA033 | 39 | F025D2FA033 |
| 48 | F025B3DA001 | 49 | F025B4FA001 | 50 | F025C3BA001 | 50 | F025C4EA001 | 39 | F025D2GA001 |
| 48 | F025B3DA006 | 49 | F025B4FA006 | 50 | F025C3BA006 | 50 | F025C4EA006 | 39 | F025D2GA006 |
| 48 | F025B3DA012 | 49 | F025B4FA012 | 50 | F025C3BA012 | 50 | F025C4EA012 | 39 | F025D2GA012 |
| 48 | F025B3DA018 | 49 | F025B4FA018 | 50 | F025C3BA018 | 50 | F025C4EA018 | 39 | F025D2GA018 |
| 48 | F025B3DA030 | 49 | F025B4FA030 | 50 | F025C3BA030 | 50 | F025C4EA030 | 39 | F025D2GA030 |
| 48 | F025B3DA033 | 49 | F025B4FA033 | 50 | F025C3BA033 | 50 | F025C4EA033 | 39 | F025D2GA033 |
| 49 | F025B3EA001 | 49 | F025B4GA001 | 50 | F025C3CA001 | 51 | F025C4FA001 | 39 | F025D2HA001 |
| 49 | F025B3EA006 | 49 | F025B4GA006 | 50 | F025C3CA006 | 51 | F025C4FA006 | 39 | F025D2HA006 |
| 49 | F025B3EA012 | 49 | F025B4GA012 | 50 | F025C3CA012 | 51 | F025C4FA012 | 39 | F025D2HA012 |
| 49 | F025B3EA018 | 49 | F025B4GA018 | 50 | F025C3CA018 | 51 | F025C4FA018 | 39 | F025D2HA018 |
| 49 | F025B3EA030 | 49 | F025B4GA030 | 50 | F025C3CA030 | 51 | F025C4FA030 | 39 | F025D2HA030 |
| 49 | F025B3EA033 | 49 | F025B4GA033 | 50 | F025C3CA033 | 51 | F025C4FA033 | 39 | F025D2HA033 |
| 49 | F025B3FA001 | 49 | F025B4HA001 | 50 | F025C3DA001 | 51 | F025C4GA001 | 38 | F025D3AA001 |
| 49 | F025B3FA006 | 49 | F025B4HA006 | 50 | F025C3DA006 | 51 | F025C4GA006 | 38 | F025D3AA006 |
| 49 | F025B3FA012 | 49 | F025B4HA012 | 50 | F025C3DA012 | 51 | F025C4GA012 | 38 | F025D3AA012 |
| 49 | F025B3FA018 | 49 | F025B4HA018 | 50 | F025C3DA018 | 51 | F025C4GA018 | 38 | F025D3AA018 |
| 49 | F025B3FA030 | 49 | F025B4HA030 | 50 | F025C3DA030 | 51 | F025C4GA030 | 38 | F025D3AA030 |
| 49 | F025B3FA033 | 49 | F025B4HA033 | 50 | F025C3DA033 | 51 | F025C4GA033 | 38 | F025D3AA033 |
| 49 | F025B3GA001 | 50 | F025C2BA001 | 50 | F025C3EA001 | 51 | F025C4HA001 | 38 | F025D3BA001 |
| 49 | F025B3GA006 | 50 | F025C2BA006 | 50 | F025C3EA006 | 51 | F025C4HA006 | 38 | F025D3BA006 |
| 49 | F025B3GA012 | 50 | F025C2BA012 | 50 | F025C3EA012 | 51 | F025C4HA012 | 38 | F025D3BA012 |
| 49 | F025B3GA018 | 50 | F025C2BA018 | 50 | F025C3EA018 | 51 | F025C4HA018 | 38 | F025D3BA018 |
| 49 | F025B3GA030 | 50 | F025C2BA030 | 50 | F025C3EA030 | 51 | F025C4HA030 | 38 | F025D3BA030 |
| 49 | F025B3GA033 | 50 | F025C2BA033 | 50 | F025C3EA033 | 51 | F025C4HA033 | 38 | F025D3BA033 |
| 49 | F025B3HA001 | 50 | F025C2CA001 | 51 | F025C3FA001 | 38 | F025D2AA001 | 38 | F025D3CA001 |
| 49 | F025B3HA006 | 50 | F025C2CA006 | 51 | F025C3FA006 | 38 | F025D2AA006 | 38 | F025D3CA006 |
| 49 | F025B3HA012 | 50 | F025C2CA012 | 51 | F025C3FA012 | 38 | F025D2AA012 | 38 | F025D3CA012 |
| 49 | F025B3HA018 | 50 | F025C2CA018 | 51 | F025C3FA018 | 38 | F025D2AA018 | 38 | F025D3CA018 |
| 49 | F025B3HA030 | 50 | F025C2CA030 | 51 | F025C3FA030 | 38 | F025D2AA030 | 38 | F025D3CA030 |
| 49 | F025B3HA033 | 50 | F025C2CA033 | 51 | F025C3FA033 | 38 | F025D2AA033 | 38 | F025D3CA033 |
| 48 | F025B4AA001 | 50 | F025C2DA001 | 51 | F025C3GA001 | 38 | F025D2BA001 | 38 | F025D3DA001 |
| 48 | F025B4AA006 | 50 | F025C2DA006 | 51 | F025C3GA006 | 38 | F025D2BA006 | 38 | F025D3DA006 |
| 48 | F025B4AA012 | 50 | F025C2DA012 | 51 | F025C3GA012 | 38 | F025D2BA012 | 38 | F025D3DA012 |
| 48 | F025B4AA018 | 50 | F025C2DA018 | 51 | F025C3GA018 | 38 | F025D2BA018 | 38 | F025D3DA018 |
| 48 | F025B4AA030 | 50 | F025C2DA030 | 51 | F025C3GA030 | 38 | F025D2BA030 | 38 | F025D3DA030 |
| 48 | F025B4AA033 | 50 | F025C2DA033 | 51 | F025C3GA033 | 38 | F025D2BA033 | 38 | F025D3DA033 |
| 48 | F025B4BA001 | 50 | F025C2EA001 | 51 | F025C3HA001 | 38 | F025D2CA001 | 39 | F025D3EA001 |
| 48 | F025B4BA006 | 50 | F025C2EA006 | 51 | F025C3HA006 | 38 | F025D2CA006 | 39 | F025D3EA006 |
| 48 | F025B4BA012 | 50 | F025C2EA012 | 51 | F025C3HA012 | 38 | F025D2CA012 | 39 | F025D3EA012 |
| 48 | F025B4BA018 | 50 | F025C2EA018 | 51 | F025C3HA018 | 38 | F025D2CA018 | 39 | F025D3EA018 |
| 48 | F025B4BA030 | 50 | F025C2EA030 | 51 | F025C3HA030 | 38 | F025D2CA030 | 39 | F025D3EA030 |
| 48 | F025B4BA033 | 50 | F025C2EA033 | 51 | F025C3HA033 | 38 | F025D2CA033 | 39 | F025D3EA033 |
| 48 | F025B4CA001 | 51 | F025C2FA001 | 50 | F025C4BA001 | 38 | F025D2DA001 | 39 | F025D3FA001 |
| 48 | F025B4CA006 | 51 | F025C2FA006 | 50 | F025C4BA006 | 38 | F025D2DA006 | 39 | F025D3FA006 |
| 48 | F025B4CA012 | 51 | F025C2FA012 | 50 | F025C4BA012 | 38 | F025D2DA012 | 39 | F025D3FA012 |
| 48 | F025B4CA018 | 51 | F025C2FA018 | 50 | F025C4BA018 | 38 | F025D2DA018 | 39 | F025D3FA018 |
| 48 | F025B4CA030 | 51 | F025C2FA030 | 50 | F025C4BA030 | 38 | F025D2DA030 | 39 | F025D3FA030 |
| 48 | F025B4CA033 | 51 | F025C2FA033 | 50 | F025C4BA033 | 38 | F025D2DA033 | 39 | F025D3FA033 |
| 48 | F025B4DA001 | 51 | F025C2GA001 | 50 | F025C4CA001 | 39 | F025D2EA001 | 39 | F025D3GA001 |

| Page | Reference | Page | Reference | Page | Reference | Page | Reference | Page | Reference |
|---|---|---|---|---|---|---|---|---|---|
| 39 | F025D3GA006 | 40 | F025E2BA006 | 40 | F025E3EA006 | 41 | F025E4HA006 | 80 | F025G2DA006 |
| 39 | F025D3GA012 | 40 | F025E2BA012 | 40 | F025E3EA012 | 41 | F025E4HA012 | 80 | F025G2DA012 |
| 39 | F025D3GA018 | 40 | F025E2BA018 | 40 | F025E3EA018 | 41 | F025E4HA018 | 80 | F025G2DA018 |
| 39 | F025D3GA030 | 40 | F025E2BA030 | 40 | F025E3EA030 | 41 | F025E4HA030 | 80 | F025G2DA030 |
| 39 | F025D3GA033 | 40 | F025E2BA033 | 40 | F025E3EA033 | 41 | F025E4HA033 | 80 | F025G2DA033 |
| 39 | F025D3HA001 | 40 | F025E2CA001 | 41 | F025E3FA001 | 66 | F025F2BA001 | 81 | F025G2EA001 |
| 39 | F025D3HA006 | 40 | F025E2CA006 | 41 | F025E3FA006 | 66 | F025F2BA006 | 81 | F025G2EA006 |
| 39 | F025D3HA012 | 40 | F025E2CA012 | 41 | F025E3FA012 | 66 | F025F2BA012 | 81 | F025G2EA012 |
| 39 | F025D3HA018 | 40 | F025E2CA018 | 41 | F025E3FA018 | 66 | F025F2BA018 | 81 | F025G2EA018 |
| 39 | F025D3HA030 | 40 | F025E2CA030 | 41 | F025E3FA030 | 66 | F025F2BA030 | 81 | F025G2EA030 |
| 39 | F025D3HA033 | 40 | F025E2CA033 | 41 | F025E3FA033 | 66 | F025F2BA033 | 81 | F025G2EA033 |
| 38 | F025D4AA001 | 40 | F025E2DA001 | 41 | F025E3GA001 | 66 | F025F2CA001 | 81 | F025G2FA001 |
| 38 | F025D4AA006 | 40 | F025E2DA006 | 41 | F025E3GA006 | 66 | F025F2CA006 | 81 | F025G2FA006 |
| 38 | F025D4AA012 | 40 | F025E2DA012 | 41 | F025E3GA012 | 66 | F025F2CA012 | 81 | F025G2FA012 |
| 38 | F025D4AA018 | 40 | F025E2DA018 | 41 | F025E3GA018 | 66 | F025F2CA018 | 81 | F025G2FA018 |
| 38 | F025D4AA030 | 40 | F025E2DA030 | 41 | F025E3GA030 | 66 | F025F2CA030 | 81 | F025G2FA030 |
| 38 | F025D4AA033 | 40 | F025E2DA033 | 41 | F025E3GA033 | 66 | F025F2CA033 | 81 | F025G2FA033 |
| 38 | F025D4BA001 | 40 | F025E2EA001 | 41 | F025E3HA001 | 66 | F025F3BA001 | 81 | F025G2GA001 |
| 38 | F025D4BA006 | 40 | F025E2EA006 | 41 | F025E3HA006 | 66 | F025F3BA006 | 81 | F025G2GA006 |
| 38 | F025D4BA012 | 40 | F025E2EA012 | 41 | F025E3HA012 | 66 | F025F3BA012 | 81 | F025G2GA012 |
| 38 | F025D4BA018 | 40 | F025E2EA018 | 41 | F025E3HA018 | 66 | F025F3BA018 | 81 | F025G2GA018 |
| 38 | F025D4BA030 | 40 | F025E2EA030 | 41 | F025E3HA030 | 66 | F025F3BA030 | 81 | F025G2GA030 |
| 38 | F025D4BA033 | 40 | F025E2EA033 | 41 | F025E3HA033 | 66 | F025F3BA033 | 81 | F025G2GA033 |
| 38 | F025D4CA001 | 41 | F025E2FA001 | 40 | F025E4BA001 | 66 | F025F3CA001 | 81 | F025G2HA001 |
| 38 | F025D4CA006 | 41 | F025E2FA006 | 40 | F025E4BA006 | 66 | F025F3CA006 | 81 | F025G2HA006 |
| 38 | F025D4CA012 | 41 | F025E2FA012 | 40 | F025E4BA012 | 66 | F025F3CA012 | 81 | F025G2HA012 |
| 38 | F025D4CA018 | 41 | F025E2FA018 | 40 | F025E4BA018 | 66 | F025F3CA018 | 81 | F025G2HA018 |
| 38 | F025D4CA030 | 41 | F025E2FA030 | 40 | F025E4BA030 | 66 | F025F3CA030 | 81 | F025G2HA030 |
| 38 | F025D4CA033 | 41 | F025E2FA033 | 40 | F025E4BA033 | 66 | F025F3CA033 | 81 | F025G2HA033 |
| 38 | F025D4DA001 | 41 | F025E2GA001 | 40 | F025E4CA001 | 66 | F025F4BA001 | 80 | F025G3AA001 |
| 38 | F025D4DA006 | 41 | F025E2GA006 | 40 | F025E4CA006 | 66 | F025F4BA006 | 80 | F025G3AA006 |
| 38 | F025D4DA012 | 41 | F025E2GA012 | 40 | F025E4CA012 | 66 | F025F4BA012 | 80 | F025G3AA012 |
| 38 | F025D4DA018 | 41 | F025E2GA018 | 40 | F025E4CA018 | 66 | F025F4BA018 | 80 | F025G3AA018 |
| 38 | F025D4DA030 | 41 | F025E2GA030 | 40 | F025E4CA030 | 66 | F025F4BA030 | 80 | F025G3AA030 |
| 38 | F025D4DA033 | 41 | F025E2GA033 | 40 | F025E4CA033 | 66 | F025F4BA033 | 80 | F025G3AA033 |
| 39 | F025D4EA001 | 41 | F025E2HA001 | 40 | F025E4DA001 | 66 | F025F4CA001 | 80 | F025G3BA001 |
| 39 | F025D4EA006 | 41 | F025E2HA006 | 40 | F025E4DA006 | 66 | F025F4CA006 | 80 | F025G3BA006 |
| 39 | F025D4EA012 | 41 | F025E2HA012 | 40 | F025E4DA012 | 66 | F025F4CA012 | 80 | F025G3BA012 |
| 39 | F025D4EA018 | 41 | F025E2HA018 | 40 | F025E4DA018 | 66 | F025F4CA018 | 80 | F025G3BA018 |
| 39 | F025D4EA030 | 41 | F025E2HA030 | 40 | F025E4DA030 | 66 | F025F4CA030 | 80 | F025G3BA030 |
| 39 | F025D4EA033 | 41 | F025E2HA033 | 40 | F025E4DA033 | 66 | F025F4CA033 | 80 | F025G3BA033 |
| 39 | F025D4FA001 | 40 | F025E3BA001 | 40 | F025E4EA001 | 80 | F025G2AA001 | 80 | F025G3CA001 |
| 39 | F025D4FA006 | 40 | F025E3BA006 | 40 | F025E4EA006 | 80 | F025G2AA006 | 80 | F025G3CA006 |
| 39 | F025D4FA012 | 40 | F025E3BA012 | 40 | F025E4EA012 | 80 | F025G2AA012 | 80 | F025G3CA012 |
| 39 | F025D4FA018 | 40 | F025E3BA018 | 40 | F025E4EA018 | 80 | F025G2AA018 | 80 | F025G3CA018 |
| 39 | F025D4FA030 | 40 | F025E3BA030 | 40 | F025E4EA030 | 80 | F025G2AA030 | 80 | F025G3CA030 |
| 39 | F025D4FA033 | 40 | F025E3BA033 | 40 | F025E4EA033 | 80 | F025G2AA033 | 80 | F025G3CA033 |
| 39 | F025D4GA001 | 40 | F025E3CA001 | 41 | F025E4FA001 | 80 | F025G2BA001 | 80 | F025G3DA001 |
| 39 | F025D4GA006 | 40 | F025E3CA006 | 41 | F025E4FA006 | 80 | F025G2BA006 | 80 | F025G3DA006 |
| 39 | F025D4GA012 | 40 | F025E3CA012 | 41 | F025E4FA012 | 80 | F025G2BA012 | 80 | F025G3DA012 |
| 39 | F025D4GA018 | 40 | F025E3CA018 | 41 | F025E4FA018 | 80 | F025G2BA018 | 80 | F025G3DA018 |
| 39 | F025D4GA030 | 40 | F025E3CA030 | 41 | F025E4FA030 | 80 | F025G2BA030 | 80 | F025G3DA030 |
| 39 | F025D4GA033 | 40 | F025E3CA033 | 41 | F025E4FA033 | 80 | F025G2BA033 | 80 | F025G3DA033 |
| 39 | F025D4HA001 | 40 | F025E3DA001 | 41 | F025E4GA001 | 80 | F025G2CA001 | 81 | F025G3EA001 |
| 39 | F025D4HA006 | 40 | F025E3DA006 | 41 | F025E4GA006 | 80 | F025G2CA006 | 81 | F025G3EA006 |
| 39 | F025D4HA012 | 40 | F025E3DA012 | 41 | F025E4GA012 | 80 | F025G2CA012 | 81 | F025G3EA012 |
| 39 | F025D4HA018 | 40 | F025E3DA018 | 41 | F025E4GA018 | 80 | F025G2CA018 | 81 | F025G3EA018 |
| 39 | F025D4HA030 | 40 | F025E3DA030 | 41 | F025E4GA030 | 80 | F025G2CA030 | 81 | F025G3EA030 |
| 39 | F025D4HA033 | 40 | F025E3DA033 | 41 | F025E4GA033 | 80 | F025G2CA033 | 81 | F025G3EA033 |
| 40 | F025E2BA001 | 40 | F025E3EA001 | 41 | F025E4HA001 | 80 | F025G2DA001 | 81 | F025G3FA001 |

| Page | Reference | Page | Reference | Page | Reference | Page | Reference | Page | Reference |
|---|---|---|---|---|---|---|---|---|---|
| 81 | F025G3FA006 | 81 | F025G4HA006 | 82 | F025H3DA006 | 83 | F025H4GA006 | 68 | F025L3AA006 |
| 81 | F025G3FA012 | 81 | F025G4HA012 | 82 | F025H3DA012 | 83 | F025H4GA012 | 68 | F025L3AA012 |
| 81 | F025G3FA018 | 81 | F025G4HA018 | 82 | F025H3DA018 | 83 | F025H4GA018 | 68 | F025L3AA018 |
| 81 | F025G3FA030 | 81 | F025G4HA030 | 82 | F025H3DA030 | 83 | F025H4GA030 | 68 | F025L3AA030 |
| 81 | F025G3FA033 | 81 | F025G4HA033 | 82 | F025H3DA033 | 83 | F025H4GA033 | 68 | F025L3AA033 |
| 81 | F025G3GA001 | 82 | F025H2BA001 | 82 | F025H3EA001 | 83 | F025H4HA001 | 68 | F025L3BA001 |
| 81 | F025G3GA006 | 82 | F025H2BA006 | 82 | F025H3EA006 | 83 | F025H4HA006 | 68 | F025L3BA006 |
| 81 | F025G3GA012 | 82 | F025H2BA012 | 82 | F025H3EA012 | 83 | F025H4HA012 | 68 | F025L3BA012 |
| 81 | F025G3GA018 | 82 | F025H2BA018 | 82 | F025H3EA018 | 83 | F025H4HA018 | 68 | F025L3BA018 |
| 81 | F025G3GA030 | 82 | F025H2BA030 | 82 | F025H3EA030 | 83 | F025H4HA030 | 68 | F025L3BA030 |
| 81 | F025G3GA033 | 82 | F025H2BA033 | 82 | F025H3EA033 | 83 | F025H4HA033 | 68 | F025L3BA033 |
| 81 | F025G3HA001 | 82 | F025H2CA001 | 83 | F025H3FA001 | 68 | F025L2AA001 | 68 | F025L3CA001 |
| 81 | F025G3HA006 | 82 | F025H2CA006 | 83 | F025H3FA006 | 68 | F025L2AA006 | 68 | F025L3CA006 |
| 81 | F025G3HA012 | 82 | F025H2CA012 | 83 | F025H3FA012 | 68 | F025L2AA012 | 68 | F025L3CA012 |
| 81 | F025G3HA018 | 82 | F025H2CA018 | 83 | F025H3FA018 | 68 | F025L2AA018 | 68 | F025L3CA018 |
| 81 | F025G3HA030 | 82 | F025H2CA030 | 83 | F025H3FA030 | 68 | F025L2AA030 | 68 | F025L3CA030 |
| 81 | F025G3HA033 | 82 | F025H2CA033 | 83 | F025H3FA033 | 68 | F025L2AA033 | 68 | F025L3CA033 |
| 80 | F025G4AA001 | 82 | F025H2DA001 | 83 | F025H3GA001 | 68 | F025L2BA001 | 68 | F025L3DA001 |
| 80 | F025G4AA006 | 82 | F025H2DA006 | 83 | F025H3GA006 | 68 | F025L2BA006 | 68 | F025L3DA006 |
| 80 | F025G4AA012 | 82 | F025H2DA012 | 83 | F025H3GA012 | 68 | F025L2BA012 | 68 | F025L3DA012 |
| 80 | F025G4AA018 | 82 | F025H2DA018 | 83 | F025H3GA018 | 68 | F025L2BA018 | 68 | F025L3DA018 |
| 80 | F025G4AA030 | 82 | F025H2DA030 | 83 | F025H3GA030 | 68 | F025L2BA030 | 68 | F025L3DA030 |
| 80 | F025G4AA033 | 82 | F025H2DA033 | 83 | F025H3GA033 | 68 | F025L2BA033 | 68 | F025L3DA033 |
| 80 | F025G4BA001 | 82 | F025H2EA001 | 83 | F025H3HA001 | 68 | F025L2CA001 | 69 | F025L3EA001 |
| 80 | F025G4BA006 | 82 | F025H2EA006 | 83 | F025H3HA006 | 68 | F025L2CA006 | 69 | F025L3EA006 |
| 80 | F025G4BA012 | 82 | F025H2EA012 | 83 | F025H3HA012 | 68 | F025L2CA012 | 69 | F025L3EA012 |
| 80 | F025G4BA018 | 82 | F025H2EA018 | 83 | F025H3HA018 | 68 | F025L2CA018 | 69 | F025L3EA018 |
| 80 | F025G4BA030 | 82 | F025H2EA030 | 83 | F025H3HA030 | 68 | F025L2CA030 | 69 | F025L3EA030 |
| 80 | F025G4BA033 | 82 | F025H2EA033 | 83 | F025H3HA033 | 68 | F025L2CA033 | 69 | F025L3EA033 |
| 80 | F025G4CA001 | 83 | F025H2FA001 | 82 | F025H4BA001 | 68 | F025L2DA001 | 69 | F025L3FA001 |
| 80 | F025G4CA006 | 83 | F025H2FA006 | 82 | F025H4BA006 | 68 | F025L2DA006 | 69 | F025L3FA006 |
| 80 | F025G4CA012 | 83 | F025H2FA012 | 82 | F025H4BA012 | 68 | F025L2DA012 | 69 | F025L3FA012 |
| 80 | F025G4CA018 | 83 | F025H2FA018 | 82 | F025H4BA018 | 68 | F025L2DA018 | 69 | F025L3FA018 |
| 80 | F025G4CA030 | 83 | F025H2FA030 | 82 | F025H4BA030 | 68 | F025L2DA030 | 69 | F025L3FA030 |
| 80 | F025G4CA033 | 83 | F025H2FA033 | 82 | F025H4BA033 | 68 | F025L2DA033 | 69 | F025L3FA033 |
| 80 | F025G4DA001 | 83 | F025H2GA001 | 82 | F025H4CA001 | 69 | F025L2EA001 | 69 | F025L3GA001 |
| 80 | F025G4DA006 | 83 | F025H2GA006 | 82 | F025H4CA006 | 69 | F025L2EA006 | 69 | F025L3GA006 |
| 80 | F025G4DA012 | 83 | F025H2GA012 | 82 | F025H4CA012 | 69 | F025L2EA012 | 69 | F025L3GA012 |
| 80 | F025G4DA018 | 83 | F025H2GA018 | 82 | F025H4CA018 | 69 | F025L2EA018 | 69 | F025L3GA018 |
| 80 | F025G4DA030 | 83 | F025H2GA030 | 82 | F025H4CA030 | 69 | F025L2EA030 | 69 | F025L3GA030 |
| 80 | F025G4DA033 | 83 | F025H2GA033 | 82 | F025H4CA033 | 69 | F025L2EA033 | 69 | F025L3GA033 |
| 81 | F025G4EA001 | 83 | F025H2HA001 | 82 | F025H4DA001 | 69 | F025L2FA001 | 69 | F025L3HA001 |
| 81 | F025G4EA006 | 83 | F025H2HA006 | 82 | F025H4DA006 | 69 | F025L2FA006 | 69 | F025L3HA006 |
| 81 | F025G4EA012 | 83 | F025H2HA012 | 82 | F025H4DA012 | 69 | F025L2FA012 | 69 | F025L3HA012 |
| 81 | F025G4EA018 | 83 | F025H2HA018 | 82 | F025H4DA018 | 69 | F025L2FA018 | 69 | F025L3HA018 |
| 81 | F025G4EA030 | 83 | F025H2HA030 | 82 | F025H4DA030 | 69 | F025L2FA030 | 69 | F025L3HA030 |
| 81 | F025G4EA033 | 83 | F025H2HA033 | 82 | F025H4DA033 | 69 | F025L2FA033 | 69 | F025L3HA033 |
| 81 | F025G4FA001 | 82 | F025H3BA001 | 82 | F025H4EA001 | 69 | F025L2GA001 | 68 | F025L4AA001 |
| 81 | F025G4FA006 | 82 | F025H3BA006 | 82 | F025H4EA006 | 69 | F025L2GA006 | 68 | F025L4AA006 |
| 81 | F025G4FA012 | 82 | F025H3BA012 | 82 | F025H4EA012 | 69 | F025L2GA012 | 68 | F025L4AA012 |
| 81 | F025G4FA018 | 82 | F025H3BA018 | 82 | F025H4EA018 | 69 | F025L2GA018 | 68 | F025L4AA018 |
| 81 | F025G4FA030 | 82 | F025H3BA030 | 82 | F025H4EA030 | 69 | F025L2GA030 | 68 | F025L4AA030 |
| 81 | F025G4FA033 | 82 | F025H3BA033 | 82 | F025H4EA033 | 69 | F025L2GA033 | 68 | F025L4AA033 |
| 81 | F025G4GA001 | 82 | F025H3CA001 | 83 | F025H4FA001 | 69 | F025L2HA001 | 68 | F025L4BA001 |
| 81 | F025G4GA006 | 82 | F025H3CA006 | 83 | F025H4FA006 | 69 | F025L2HA006 | 68 | F025L4BA006 |
| 81 | F025G4GA012 | 82 | F025H3CA012 | 83 | F025H4FA012 | 69 | F025L2HA012 | 68 | F025L4BA012 |
| 81 | F025G4GA018 | 82 | F025H3CA018 | 83 | F025H4FA018 | 69 | F025L2HA018 | 68 | F025L4BA018 |
| 81 | F025G4GA030 | 82 | F025H3CA030 | 83 | F025H4FA030 | 69 | F025L2HA030 | 68 | F025L4BA030 |
| 81 | F025G4GA033 | 82 | F025H3CA033 | 83 | F025H4FA033 | 69 | F025L2HA033 | 68 | F025L4BA033 |
| 81 | F025G4HA001 | 82 | F025H3DA001 | 83 | F025H4GA001 | 68 | F025L3AA001 | 68 | F025L4CA001 |

| Page | Reference | Page | Reference | Page | Reference | Page | Reference | Page | Reference |
|---|---|---|---|---|---|---|---|---|---|
| 68 | F025L4CA006 | 71 | F025M2FA006 | 70 | F025M4BA006 | 96 | F025Q3CA006 | 111 | F025R2HA006 |
| 68 | F025L4CA012 | 71 | F025M2FA012 | 70 | F025M4BA012 | 96 | F025Q3CA012 | 111 | F025R2HA012 |
| 68 | F025L4CA018 | 71 | F025M2FA018 | 70 | F025M4BA018 | 96 | F025Q3CA018 | 111 | F025R2HA018 |
| 68 | F025L4CA030 | 71 | F025M2FA030 | 70 | F025M4BA030 | 96 | F025Q3CA030 | 111 | F025R2HA030 |
| 68 | F025L4CA033 | 71 | F025M2FA033 | 70 | F025M4BA033 | 96 | F025Q3CA033 | 111 | F025R2HA033 |
| 68 | F025L4DA001 | 71 | F025M2GA001 | 70 | F025M4CA001 | 96 | F025Q4BA001 | 110 | F025R3AA001 |
| 68 | F025L4DA006 | 71 | F025M2GA006 | 70 | F025M4CA006 | 96 | F025Q4BA006 | 110 | F025R3AA006 |
| 68 | F025L4DA012 | 71 | F025M2GA012 | 70 | F025M4CA012 | 96 | F025Q4BA012 | 110 | F025R3AA012 |
| 68 | F025L4DA018 | 71 | F025M2GA018 | 70 | F025M4CA018 | 96 | F025Q4BA018 | 110 | F025R3AA018 |
| 68 | F025L4DA030 | 71 | F025M2GA030 | 70 | F025M4CA030 | 96 | F025Q4BA030 | 110 | F025R3AA030 |
| 68 | F025L4DA033 | 71 | F025M2GA033 | 70 | F025M4CA033 | 96 | F025Q4BA033 | 110 | F025R3AA033 |
| 69 | F025L4EA001 | 71 | F025M2HA001 | 70 | F025M4DA001 | 96 | F025Q4CA001 | 110 | F025R3BA001 |
| 69 | F025L4EA006 | 71 | F025M2HA006 | 70 | F025M4DA006 | 96 | F025Q4CA006 | 110 | F025R3BA006 |
| 69 | F025L4EA012 | 71 | F025M2HA012 | 70 | F025M4DA012 | 96 | F025Q4CA012 | 110 | F025R3BA012 |
| 69 | F025L4EA018 | 71 | F025M2HA018 | 70 | F025M4DA018 | 96 | F025Q4CA018 | 110 | F025R3BA018 |
| 69 | F025L4EA030 | 71 | F025M2HA030 | 70 | F025M4DA030 | 96 | F025Q4CA030 | 110 | F025R3BA030 |
| 69 | F025L4EA033 | 71 | F025M2HA033 | 70 | F025M4DA033 | 96 | F025Q4CA033 | 110 | F025R3BA033 |
| 69 | F025L4FA001 | 70 | F025M3BA001 | 70 | F025M4EA001 | 110 | F025R2AA001 | 110 | F025R3CA001 |
| 69 | F025L4FA006 | 70 | F025M3BA006 | 70 | F025M4EA006 | 110 | F025R2AA006 | 110 | F025R3CA006 |
| 69 | F025L4FA012 | 70 | F025M3BA012 | 70 | F025M4EA012 | 110 | F025R2AA012 | 110 | F025R3CA012 |
| 69 | F025L4FA018 | 70 | F025M3BA018 | 70 | F025M4EA018 | 110 | F025R2AA018 | 110 | F025R3CA018 |
| 69 | F025L4FA030 | 70 | F025M3BA030 | 70 | F025M4EA030 | 110 | F025R2AA030 | 110 | F025R3CA030 |
| 69 | F025L4FA033 | 70 | F025M3BA033 | 70 | F025M4EA033 | 110 | F025R2AA033 | 110 | F025R3CA033 |
| 69 | F025L4GA001 | 70 | F025M3CA001 | 71 | F025M4FA001 | 110 | F025R2BA001 | 110 | F025R3DA001 |
| 69 | F025L4GA006 | 70 | F025M3CA006 | 71 | F025M4FA006 | 110 | F025R2BA006 | 110 | F025R3DA006 |
| 69 | F025L4GA012 | 70 | F025M3CA012 | 71 | F025M4FA012 | 110 | F025R2BA012 | 110 | F025R3DA012 |
| 69 | F025L4GA018 | 70 | F025M3CA018 | 71 | F025M4FA018 | 110 | F025R2BA018 | 110 | F025R3DA018 |
| 69 | F025L4GA030 | 70 | F025M3CA030 | 71 | F025M4FA030 | 110 | F025R2BA030 | 110 | F025R3DA030 |
| 69 | F025L4GA033 | 70 | F025M3CA033 | 71 | F025M4FA033 | 110 | F025R2BA033 | 110 | F025R3DA033 |
| 69 | F025L4HA001 | 70 | F025M3DA001 | 71 | F025M4GA001 | 110 | F025R2CA001 | 111 | F025R3EA001 |
| 69 | F025L4HA006 | 70 | F025M3DA006 | 71 | F025M4GA006 | 110 | F025R2CA006 | 111 | F025R3EA006 |
| 69 | F025L4HA012 | 70 | F025M3DA012 | 71 | F025M4GA012 | 110 | F025R2CA012 | 111 | F025R3EA012 |
| 69 | F025L4HA018 | 70 | F025M3DA018 | 71 | F025M4GA018 | 110 | F025R2CA018 | 111 | F025R3EA018 |
| 69 | F025L4HA030 | 70 | F025M3DA030 | 71 | F025M4GA030 | 110 | F025R2CA030 | 111 | F025R3EA030 |
| 69 | F025L4HA033 | 70 | F025M3DA033 | 71 | F025M4GA033 | 110 | F025R2CA033 | 111 | F025R3EA033 |
| 70 | F025M2BA001 | 70 | F025M3EA001 | 71 | F025M4HA001 | 110 | F025R2DA001 | 111 | F025R3FA001 |
| 70 | F025M2BA006 | 70 | F025M3EA006 | 71 | F025M4HA006 | 110 | F025R2DA006 | 111 | F025R3FA006 |
| 70 | F025M2BA012 | 70 | F025M3EA012 | 71 | F025M4HA012 | 110 | F025R2DA012 | 111 | F025R3FA012 |
| 70 | F025M2BA018 | 70 | F025M3EA018 | 71 | F025M4HA018 | 110 | F025R2DA018 | 111 | F025R3FA018 |
| 70 | F025M2BA030 | 70 | F025M3EA030 | 71 | F025M4HA030 | 110 | F025R2DA030 | 111 | F025R3FA030 |
| 70 | F025M2BA033 | 70 | F025M3EA033 | 71 | F025M4HA033 | 110 | F025R2DA033 | 111 | F025R3FA033 |
| 70 | F025M2CA001 | 71 | F025M3FA001 | 96 | F025Q2BA001 | 111 | F025R2EA001 | 111 | F025R3GA001 |
| 70 | F025M2CA006 | 71 | F025M3FA006 | 96 | F025Q2BA006 | 111 | F025R2EA006 | 111 | F025R3GA006 |
| 70 | F025M2CA012 | 71 | F025M3FA012 | 96 | F025Q2BA012 | 111 | F025R2EA012 | 111 | F025R3GA012 |
| 70 | F025M2CA018 | 71 | F025M3FA018 | 96 | F025Q2BA018 | 111 | F025R2EA018 | 111 | F025R3GA018 |
| 70 | F025M2CA030 | 71 | F025M3FA030 | 96 | F025Q2BA030 | 111 | F025R2EA030 | 111 | F025R3GA030 |
| 70 | F025M2CA033 | 71 | F025M3FA033 | 96 | F025Q2BA033 | 111 | F025R2EA033 | 111 | F025R3GA033 |
| 70 | F025M2DA001 | 71 | F025M3GA001 | 96 | F025Q2CA001 | 111 | F025R2FA001 | 111 | F025R3HA001 |
| 70 | F025M2DA006 | 71 | F025M3GA006 | 96 | F025Q2CA006 | 111 | F025R2FA006 | 111 | F025R3HA006 |
| 70 | F025M2DA012 | 71 | F025M3GA012 | 96 | F025Q2CA012 | 111 | F025R2FA012 | 111 | F025R3HA012 |
| 70 | F025M2DA018 | 71 | F025M3GA018 | 96 | F025Q2CA018 | 111 | F025R2FA018 | 111 | F025R3HA018 |
| 70 | F025M2DA030 | 71 | F025M3GA030 | 96 | F025Q2CA030 | 111 | F025R2FA030 | 111 | F025R3HA030 |
| 70 | F025M2DA033 | 71 | F025M3GA033 | 96 | F025Q2CA033 | 111 | F025R2FA033 | 111 | F025R3HA033 |
| 70 | F025M2EA001 | 71 | F025M3HA001 | 96 | F025Q3BA001 | 111 | F025R2GA001 | 110 | F025R4AA001 |
| 70 | F025M2EA006 | 71 | F025M3HA006 | 96 | F025Q3BA006 | 111 | F025R2GA006 | 110 | F025R4AA006 |
| 70 | F025M2EA012 | 71 | F025M3HA012 | 96 | F025Q3BA012 | 111 | F025R2GA012 | 110 | F025R4AA012 |
| 70 | F025M2EA018 | 71 | F025M3HA018 | 96 | F025Q3BA018 | 111 | F025R2GA018 | 110 | F025R4AA018 |
| 70 | F025M2EA030 | 71 | F025M3HA030 | 96 | F025Q3BA030 | 111 | F025R2GA030 | 110 | F025R4AA030 |
| 70 | F025M2EA033 | 71 | F025M3HA033 | 96 | F025Q3BA033 | 111 | F025R2GA033 | 110 | F025R4AA033 |
| 71 | F025M2FA001 | 70 | F025M4BA001 | 96 | F025Q3CA001 | 111 | F025R2HA001 | 110 | F025R4BA001 |

| Page | Reference | Page | Reference | Page | Reference | Page | Reference | Page | Reference |
|---|---|---|---|---|---|---|---|---|---|
| 110 | F025R4BA006 | 112 | F025S2EA006 | 113 | F025S3HA006 | 98 | F025V2CA006 | 99 | F025V3EA006 |
| 110 | F025R4BA012 | 112 | F025S2EA012 | 113 | F025S3HA012 | 98 | F025V2CA012 | 99 | F025V3EA012 |
| 110 | F025R4BA018 | 112 | F025S2EA018 | 113 | F025S3HA018 | 98 | F025V2CA018 | 99 | F025V3EA018 |
| 110 | F025R4BA030 | 112 | F025S2EA030 | 113 | F025S3HA030 | 98 | F025V2CA030 | 99 | F025V3EA030 |
| 110 | F025R4BA033 | 112 | F025S2EA033 | 113 | F025S3HA033 | 98 | F025V2CA033 | 99 | F025V3EA033 |
| 110 | F025R4CA001 | 113 | F025S2FA001 | 112 | F025S4BA001 | 98 | F025V2DA001 | 99 | F025V3FA001 |
| 110 | F025R4CA006 | 113 | F025S2FA006 | 112 | F025S4BA006 | 98 | F025V2DA006 | 99 | F025V3FA006 |
| 110 | F025R4CA012 | 113 | F025S2FA012 | 112 | F025S4BA012 | 98 | F025V2DA012 | 99 | F025V3FA012 |
| 110 | F025R4CA018 | 113 | F025S2FA018 | 112 | F025S4BA018 | 98 | F025V2DA018 | 99 | F025V3FA018 |
| 110 | F025R4CA030 | 113 | F025S2FA030 | 112 | F025S4BA030 | 98 | F025V2DA030 | 99 | F025V3FA030 |
| 110 | F025R4CA033 | 113 | F025S2FA033 | 112 | F025S4BA033 | 98 | F025V2DA033 | 99 | F025V3FA033 |
| 110 | F025R4DA001 | 113 | F025S2GA001 | 112 | F025S4CA001 | 99 | F025V2EA001 | 99 | F025V3GA001 |
| 110 | F025R4DA006 | 113 | F025S2GA006 | 112 | F025S4CA006 | 99 | F025V2EA006 | 99 | F025V3GA006 |
| 110 | F025R4DA012 | 113 | F025S2GA012 | 112 | F025S4CA012 | 99 | F025V2EA012 | 99 | F025V3GA012 |
| 110 | F025R4DA018 | 113 | F025S2GA018 | 112 | F025S4CA018 | 99 | F025V2EA018 | 99 | F025V3GA018 |
| 110 | F025R4DA030 | 113 | F025S2GA030 | 112 | F025S4CA030 | 99 | F025V2EA030 | 99 | F025V3GA030 |
| 110 | F025R4DA033 | 113 | F025S2GA033 | 112 | F025S4CA033 | 99 | F025V2EA033 | 99 | F025V3GA033 |
| 111 | F025R4EA001 | 113 | F025S2HA001 | 112 | F025S4DA001 | 99 | F025V2FA001 | 99 | F025V3HA001 |
| 111 | F025R4EA006 | 113 | F025S2HA006 | 112 | F025S4DA006 | 99 | F025V2FA006 | 99 | F025V3HA006 |
| 111 | F025R4EA012 | 113 | F025S2HA012 | 112 | F025S4DA012 | 99 | F025V2FA012 | 99 | F025V3HA012 |
| 111 | F025R4EA018 | 113 | F025S2HA018 | 112 | F025S4DA018 | 99 | F025V2FA018 | 99 | F025V3HA018 |
| 111 | F025R4EA030 | 113 | F025S2HA030 | 112 | F025S4DA030 | 99 | F025V2FA030 | 99 | F025V3HA030 |
| 111 | F025R4EA033 | 113 | F025S2HA033 | 112 | F025S4DA033 | 99 | F025V2FA033 | 99 | F025V3HA033 |
| 111 | F025R4FA001 | 112 | F025S3BA001 | 112 | F025S4EA001 | 99 | F025V2GA001 | 98 | F025V4AA001 |
| 111 | F025R4FA006 | 112 | F025S3BA006 | 112 | F025S4EA006 | 99 | F025V2GA006 | 98 | F025V4AA006 |
| 111 | F025R4FA012 | 112 | F025S3BA012 | 112 | F025S4EA012 | 99 | F025V2GA012 | 98 | F025V4AA012 |
| 111 | F025R4FA018 | 112 | F025S3BA018 | 112 | F025S4EA018 | 99 | F025V2GA018 | 98 | F025V4AA018 |
| 111 | F025R4FA030 | 112 | F025S3BA030 | 112 | F025S4EA030 | 99 | F025V2GA030 | 98 | F025V4AA030 |
| 111 | F025R4FA033 | 112 | F025S3BA033 | 112 | F025S4EA033 | 99 | F025V2GA033 | 98 | F025V4AA033 |
| 111 | F025R4GA001 | 112 | F025S3CA001 | 113 | F025S4FA001 | 99 | F025V2HA001 | 98 | F025V4BA001 |
| 111 | F025R4GA006 | 112 | F025S3CA006 | 113 | F025S4FA006 | 99 | F025V2HA006 | 98 | F025V4BA006 |
| 111 | F025R4GA012 | 112 | F025S3CA012 | 113 | F025S4FA012 | 99 | F025V2HA012 | 98 | F025V4BA012 |
| 111 | F025R4GA018 | 112 | F025S3CA018 | 113 | F025S4FA018 | 99 | F025V2HA018 | 98 | F025V4BA018 |
| 111 | F025R4GA030 | 112 | F025S3CA030 | 113 | F025S4FA030 | 99 | F025V2HA030 | 98 | F025V4BA030 |
| 111 | F025R4GA033 | 112 | F025S3CA033 | 113 | F025S4FA033 | 99 | F025V2HA033 | 98 | F025V4BA033 |
| 111 | F025R4HA001 | 112 | F025S3DA001 | 113 | F025S4GA001 | 98 | F025V3AA001 | 98 | F025V4CA001 |
| 111 | F025R4HA006 | 112 | F025S3DA006 | 113 | F025S4GA006 | 98 | F025V3AA006 | 98 | F025V4CA006 |
| 111 | F025R4HA012 | 112 | F025S3DA012 | 113 | F025S4GA012 | 98 | F025V3AA012 | 98 | F025V4CA012 |
| 111 | F025R4HA018 | 112 | F025S3DA018 | 113 | F025S4GA018 | 98 | F025V3AA018 | 98 | F025V4CA018 |
| 111 | F025R4HA030 | 112 | F025S3DA030 | 113 | F025S4GA030 | 98 | F025V3AA030 | 98 | F025V4CA030 |
| 111 | F025R4HA033 | 112 | F025S3DA033 | 113 | F025S4GA033 | 98 | F025V3AA033 | 98 | F025V4CA033 |
| 112 | F025S2BA001 | 112 | F025S3EA001 | 113 | F025S4HA001 | 98 | F025V3BA001 | 98 | F025V4DA001 |
| 112 | F025S2BA006 | 112 | F025S3EA006 | 113 | F025S4HA006 | 98 | F025V3BA006 | 98 | F025V4DA006 |
| 112 | F025S2BA012 | 112 | F025S3EA012 | 113 | F025S4HA012 | 98 | F025V3BA012 | 98 | F025V4DA012 |
| 112 | F025S2BA018 | 112 | F025S3EA018 | 113 | F025S4HA018 | 98 | F025V3BA018 | 98 | F025V4DA018 |
| 112 | F025S2BA030 | 112 | F025S3EA030 | 113 | F025S4HA030 | 98 | F025V3BA030 | 98 | F025V4DA030 |
| 112 | F025S2BA033 | 112 | F025S3EA033 | 113 | F025S4HA033 | 98 | F025V3BA033 | 98 | F025V4DA033 |
| 112 | F025S2CA001 | 113 | F025S3FA001 | 98 | F025V2AA001 | 98 | F025V3CA001 | 99 | F025V4EA001 |
| 112 | F025S2CA006 | 113 | F025S3FA006 | 98 | F025V2AA006 | 98 | F025V3CA006 | 99 | F025V4EA006 |
| 112 | F025S2CA012 | 113 | F025S3FA012 | 98 | F025V2AA012 | 98 | F025V3CA012 | 99 | F025V4EA012 |
| 112 | F025S2CA018 | 113 | F025S3FA018 | 98 | F025V2AA018 | 98 | F025V3CA018 | 99 | F025V4EA018 |
| 112 | F025S2CA030 | 113 | F025S3FA030 | 98 | F025V2AA030 | 98 | F025V3CA030 | 99 | F025V4EA030 |
| 112 | F025S2CA033 | 113 | F025S3FA033 | 98 | F025V2AA033 | 98 | F025V3CA033 | 99 | F025V4EA033 |
| 112 | F025S2DA001 | 113 | F025S3GA001 | 98 | F025V2BA001 | 98 | F025V3DA001 | 99 | F025V4FA001 |
| 112 | F025S2DA006 | 113 | F025S3GA006 | 98 | F025V2BA006 | 98 | F025V3DA006 | 99 | F025V4FA006 |
| 112 | F025S2DA012 | 113 | F025S3GA012 | 98 | F025V2BA012 | 98 | F025V3DA012 | 99 | F025V4FA012 |
| 112 | F025S2DA018 | 113 | F025S3GA018 | 98 | F025V2BA018 | 98 | F025V3DA018 | 99 | F025V4FA018 |
| 112 | F025S2DA030 | 113 | F025S3GA030 | 98 | F025V2BA030 | 98 | F025V3DA030 | 99 | F025V4FA030 |
| 112 | F025S2DA033 | 113 | F025S3GA033 | 98 | F025V2BA033 | 98 | F025V3DA033 | 99 | F025V4FA033 |
| 112 | F025S2EA001 | 113 | F025S3HA001 | 98 | F025V2CA001 | 99 | F025V3EA001 | 99 | F025V4GA001 |

| Page | Reference | Page | Reference | Page | Reference | Page | Reference | Page | Reference |
|---|---|---|---|---|---|---|---|---|---|
| 99 | F025V4GA006 | 100 | F025W3CA006 | 101 | F025W4FA006 | 131 | F02603BA001.A | 131 | F02604CB001.A |
| 99 | F025V4GA012 | 100 | F025W3CA012 | 101 | F025W4FA012 | 131 | F02603BA006.A | 131 | F02604CB006.A |
| 99 | F025V4GA018 | 100 | F025W3CA018 | 101 | F025W4FA018 | 131 | F02603BA012.A | 131 | F02604CB012.A |
| 99 | F025V4GA030 | 100 | F025W3CA030 | 101 | F025W4FA030 | 131 | F02603BA018.A | 131 | F02604CB018.A |
| 99 | F025V4GA033 | 100 | F025W3CA033 | 101 | F025W4FA033 | 131 | F02603BA030.A | 131 | F02604CB030.A |
| 99 | F025V4HA001 | 100 | F025W3DA001 | 101 | F025W4GA001 | 131 | F02603BA033.A | 131 | F02604CB033.A |
| 99 | F025V4HA006 | 100 | F025W3DA006 | 101 | F025W4GA006 | 131 | F02603BB001.A | 131 | F02604CD001.A |
| 99 | F025V4HA012 | 100 | F025W3DA012 | 101 | F025W4GA012 | 131 | F02603BB006.A | 131 | F02604CD006.A |
| 99 | F025V4HA018 | 100 | F025W3DA018 | 101 | F025W4GA018 | 131 | F02603BB012.A | 131 | F02604CD012.A |
| 99 | F025V4HA030 | 100 | F025W3DA030 | 101 | F025W4GA030 | 131 | F02603BB018.A | 131 | F02604CD018.A |
| 99 | F025V4HA033 | 100 | F025W3DA033 | 101 | F025W4GA033 | 131 | F02603BB030.A | 131 | F02604CD030.A |
| 100 | F025W2BA001 | 100 | F025W3EA001 | 101 | F025W4HA001 | 131 | F02603BB033.A | 131 | F02604CD033.A |
| 100 | F025W2BA006 | 100 | F025W3EA006 | 101 | F025W4HA006 | 131 | F02603BD001.A | 148 | F02612AA001 |
| 100 | F025W2BA012 | 100 | F025W3EA012 | 101 | F025W4HA012 | 131 | F02603BD006.A | 148 | F02612AA006 |
| 100 | F025W2BA018 | 100 | F025W3EA018 | 101 | F025W4HA018 | 131 | F02603BD012.A | 148 | F02612AA012 |
| 100 | F025W2BA030 | 100 | F025W3EA030 | 101 | F025W4HA030 | 131 | F02603BD018.A | 148 | F02612AA018 |
| 100 | F025W2BA033 | 100 | F025W3EA033 | 101 | F025W4HA033 | 131 | F02603BD030.A | 148 | F02612AA030 |
| 100 | F025W2CA001 | 101 | F025W3FA001 | 51 | F025Z050001 | 131 | F02603BD033.A | 148 | F02612AA033 |
| 100 | F025W2CA006 | 101 | F025W3FA006 | 51 | F025Z050006 | 131 | F02603CA001.A | 148 | F02612AB001 |
| 100 | F025W2CA012 | 101 | F025W3FA012 | 51 | F025Z050012 | 131 | F02603CA006.A | 148 | F02612AB006 |
| 100 | F025W2CA018 | 101 | F025W3FA018 | 51 | F025Z050018 | 131 | F02603CA012.A | 148 | F02612AB012 |
| 100 | F025W2CA030 | 101 | F025W3FA030 | 51 | F025Z050030 | 131 | F02603CA018.A | 148 | F02612AB018 |
| 100 | F025W2CA033 | 101 | F025W3FA033 | 51 | F025Z050033 | 131 | F02603CA030.A | 148 | F02612AB030 |
| 100 | F025W2DA001 | 101 | F025W3GA001 | 36 | F025Z060000 | 131 | F02603CA033.A | 148 | F02612AB033 |
| 100 | F025W2DA006 | 101 | F025W3GA006 | 131 | F02602BA001.A | 131 | F02603CB001.A | 148 | F02612AD001 |
| 100 | F025W2DA012 | 101 | F025W3GA012 | 131 | F02602BA006.A | 131 | F02603CB006.A | 148 | F02612AD006 |
| 100 | F025W2DA018 | 101 | F025W3GA018 | 131 | F02602BA012.A | 131 | F02603CB012.A | 148 | F02612AD012 |
| 100 | F025W2DA030 | 101 | F025W3GA030 | 131 | F02602BA018.A | 131 | F02603CB018.A | 148 | F02612AD018 |
| 100 | F025W2DA033 | 101 | F025W3GA033 | 131 | F02602BA030.A | 131 | F02603CB030.A | 148 | F02612AD030 |
| 100 | F025W2EA001 | 101 | F025W3HA001 | 131 | F02602BA033.A | 131 | F02603CB033.A | 148 | F02612AD033 |
| 100 | F025W2EA006 | 101 | F025W3HA006 | 131 | F02602BB001.A | 131 | F02603CD001.A | 148 | F02612BA001 |
| 100 | F025W2EA012 | 101 | F025W3HA012 | 131 | F02602BB006.A | 131 | F02603CD006.A | 148 | F02612BA006 |
| 100 | F025W2EA018 | 101 | F025W3HA018 | 131 | F02602BB012.A | 131 | F02603CD012.A | 148 | F02612BA012 |
| 100 | F025W2EA030 | 101 | F025W3HA030 | 131 | F02602BB018.A | 131 | F02603CD018.A | 148 | F02612BA018 |
| 100 | F025W2EA033 | 101 | F025W3HA033 | 131 | F02602BB030.A | 131 | F02603CD030.A | 148 | F02612BA030 |
| 101 | F025W2FA001 | 100 | F025W4BA001 | 131 | F02602BB033.A | 131 | F02603CD033.A | 148 | F02612BA033 |
| 101 | F025W2FA006 | 100 | F025W4BA006 | 131 | F02602BD001.A | 131 | F02604BA001.A | 148 | F02612BB001 |
| 101 | F025W2FA012 | 100 | F025W4BA012 | 131 | F02602BD006.A | 131 | F02604BA006.A | 148 | F02612BB006 |
| 101 | F025W2FA018 | 100 | F025W4BA018 | 131 | F02602BD012.A | 131 | F02604BA012.A | 148 | F02612BB012 |
| 101 | F025W2FA030 | 100 | F025W4BA030 | 131 | F02602BD018.A | 131 | F02604BA018.A | 148 | F02612BB018 |
| 101 | F025W2FA033 | 100 | F025W4BA033 | 131 | F02602BD030.A | 131 | F02604BA030.A | 148 | F02612BB030 |
| 101 | F025W2GA001 | 100 | F025W4CA001 | 131 | F02602BD033.A | 131 | F02604BA033.A | 148 | F02612BB033 |
| 101 | F025W2GA006 | 100 | F025W4CA006 | 131 | F02602CA001.A | 131 | F02604BB001.A | 148 | F02612BD001 |
| 101 | F025W2GA012 | 100 | F025W4CA012 | 131 | F02602CA006.A | 131 | F02604BB006.A | 148 | F02612BD006 |
| 101 | F025W2GA018 | 100 | F025W4CA018 | 131 | F02602CA012.A | 131 | F02604BB012.A | 148 | F02612BD012 |
| 101 | F025W2GA030 | 100 | F025W4CA030 | 131 | F02602CA018.A | 131 | F02604BB018.A | 148 | F02612BD018 |
| 101 | F025W2GA033 | 100 | F025W4CA033 | 131 | F02602CA030.A | 131 | F02604BB030.A | 148 | F02612BD030 |
| 101 | F025W2HA001 | 100 | F025W4DA001 | 131 | F02602CA033.A | 131 | F02604BB033.A | 148 | F02612BD033 |
| 101 | F025W2HA006 | 100 | F025W4DA006 | 131 | F02602CB001.A | 131 | F02604BD001.A | 149 | F02612CA001 |
| 101 | F025W2HA012 | 100 | F025W4DA012 | 131 | F02602CB006.A | 131 | F02604BD006.A | 149 | F02612CA006 |
| 101 | F025W2HA018 | 100 | F025W4DA018 | 131 | F02602CB012.A | 131 | F02604BD012.A | 149 | F02612CA012 |
| 101 | F025W2HA030 | 100 | F025W4DA030 | 131 | F02602CB018.A | 131 | F02604BD018.A | 149 | F02612CA018 |
| 101 | F025W2HA033 | 100 | F025W4DA033 | 131 | F02602CB030.A | 131 | F02604BD030.A | 149 | F02612CA030 |
| 100 | F025W3BA001 | 100 | F025W4EA001 | 131 | F02602CB033.A | 131 | F02604BD033.A | 149 | F02612CA033 |
| 100 | F025W3BA006 | 100 | F025W4EA006 | 131 | F02602CD001.A | 131 | F02604CA001 | 149 | F02612CB001 |
| 100 | F025W3BA012 | 100 | F025W4EA012 | 131 | F02602CD006.A | 131 | F02604CA006 | 149 | F02612CB006 |
| 100 | F025W3BA018 | 100 | F025W4EA018 | 131 | F02602CD012.A | 131 | F02604CA012 | 149 | F02612CB012 |
| 100 | F025W3BA030 | 100 | F025W4EA030 | 131 | F02602CD018.A | 131 | F02604CA018 | 149 | F02612CB018 |
| 100 | F025W3BA033 | 100 | F025W4EA033 | 131 | F02602CD030.A | 131 | F02604CA030 | 149 | F02612CB030 |
| 100 | F025W3CA001 | 101 | F025W4FA001 | 131 | F02602CD033.A | 131 | F02604CA033 | 149 | F02612CB033 |

| Page | Reference | Page | Reference | Page | Reference | Page | Reference | Page | Reference |
|---|---|---|---|---|---|---|---|---|---|
| 149 | F02612CD001 | 150 | F02612GA001 | 148 | F02613BB001 | 149 | F02613ED001 | 148 | F02614AA001 |
| 149 | F02612CD006 | 150 | F02612GA006 | 148 | F02613BB006 | 149 | F02613ED006 | 148 | F02614AA006 |
| 149 | F02612CD012 | 150 | F02612GA012 | 148 | F02613BB012 | 149 | F02613ED012 | 148 | F02614AA012 |
| 149 | F02612CD018 | 150 | F02612GA018 | 148 | F02613BB018 | 149 | F02613ED018 | 148 | F02614AA018 |
| 149 | F02612CD030 | 150 | F02612GA030 | 148 | F02613BB030 | 149 | F02613ED030 | 148 | F02614AA030 |
| 149 | F02612CD033 | 150 | F02612GA033 | 148 | F02613BB033 | 149 | F02613ED033 | 148 | F02614AA033 |
| 149 | F02612DA001 | 150 | F02612GB001 | 148 | F02613BD001 | 150 | F02613FA001 | 148 | F02614AB001 |
| 149 | F02612DA006 | 150 | F02612GB006 | 148 | F02613BD006 | 150 | F02613FA006 | 148 | F02614AB006 |
| 149 | F02612DA012 | 150 | F02612GB012 | 148 | F02613BD012 | 150 | F02613FA012 | 148 | F02614AB012 |
| 149 | F02612DA018 | 150 | F02612GB018 | 148 | F02613BD018 | 150 | F02613FA018 | 148 | F02614AB018 |
| 149 | F02612DA030 | 150 | F02612GB030 | 148 | F02613BD030 | 150 | F02613FA030 | 148 | F02614AB030 |
| 149 | F02612DA033 | 150 | F02612GB033 | 148 | F02613BD033 | 150 | F02613FA033 | 148 | F02614AB033 |
| 149 | F02612DB001 | 150 | F02612GD001 | 149 | F02613CA001 | 150 | F02613FB001 | 148 | F02614AD001 |
| 149 | F02612DB006 | 150 | F02612GD006 | 149 | F02613CA006 | 150 | F02613FB006 | 148 | F02614AD006 |
| 149 | F02612DB012 | 150 | F02612GD012 | 149 | F02613CA012 | 150 | F02613FB012 | 148 | F02614AD012 |
| 149 | F02612DB018 | 150 | F02612GD018 | 149 | F02613CA018 | 150 | F02613FB018 | 148 | F02614AD018 |
| 149 | F02612DB030 | 150 | F02612GD030 | 149 | F02613CA030 | 150 | F02613FB030 | 148 | F02614AD030 |
| 149 | F02612DB033 | 150 | F02612GD033 | 149 | F02613CA033 | 150 | F02613FB033 | 148 | F02614AD033 |
| 149 | F02612DD001 | 150 | F02612HA001 | 149 | F02613CB001 | 150 | F02613FD001 | 148 | F02614BA001 |
| 149 | F02612DD006 | 150 | F02612HA006 | 149 | F02613CB006 | 150 | F02613FD006 | 148 | F02614BA006 |
| 149 | F02612DD012 | 150 | F02612HA012 | 149 | F02613CB012 | 150 | F02613FD012 | 148 | F02614BA012 |
| 149 | F02612DD018 | 150 | F02612HA018 | 149 | F02613CB018 | 150 | F02613FD018 | 148 | F02614BA018 |
| 149 | F02612DD030 | 150 | F02612HA030 | 149 | F02613CB030 | 150 | F02613FD030 | 148 | F02614BA030 |
| 149 | F02612DD033 | 150 | F02612HA033 | 149 | F02613CB033 | 150 | F02613FD033 | 148 | F02614BA033 |
| 149 | F02612EA001 | 150 | F02612HB001 | 149 | F02613CD001 | 150 | F02613GA001 | 148 | F02614BB001 |
| 149 | F02612EA006 | 150 | F02612HB006 | 149 | F02613CD006 | 150 | F02613GA006 | 148 | F02614BB006 |
| 149 | F02612EA012 | 150 | F02612HB012 | 149 | F02613CD012 | 150 | F02613GA012 | 148 | F02614BB012 |
| 149 | F02612EA018 | 150 | F02612HB018 | 149 | F02613CD018 | 150 | F02613GA018 | 148 | F02614BB018 |
| 149 | F02612EA030 | 150 | F02612HB030 | 149 | F02613CD030 | 150 | F02613GA030 | 148 | F02614BB030 |
| 149 | F02612EA033 | 150 | F02612HB033 | 149 | F02613CD033 | 150 | F02613GA033 | 148 | F02614BB033 |
| 149 | F02612EB001 | 150 | F02612HD001 | 149 | F02613DA001 | 150 | F02613GB001 | 148 | F02614BD001 |
| 149 | F02612EB006 | 150 | F02612HD006 | 149 | F02613DA006 | 150 | F02613GB006 | 148 | F02614BD006 |
| 149 | F02612EB012 | 150 | F02612HD012 | 149 | F02613DA012 | 150 | F02613GB012 | 148 | F02614BD012 |
| 149 | F02612EB018 | 150 | F02612HD018 | 149 | F02613DA018 | 150 | F02613GB018 | 148 | F02614BD018 |
| 149 | F02612EB030 | 150 | F02612HD030 | 149 | F02613DA030 | 150 | F02613GB030 | 148 | F02614BD030 |
| 149 | F02612EB033 | 150 | F02612HD033 | 149 | F02613DA033 | 150 | F02613GB033 | 148 | F02614BD033 |
| 149 | F02612ED001 | 148 | F02613AA001 | 149 | F02613DB001 | 150 | F02613GD001 | 149 | F02614CA001 |
| 149 | F02612ED006 | 148 | F02613AA006 | 149 | F02613DB006 | 150 | F02613GD006 | 149 | F02614CA006 |
| 149 | F02612ED012 | 148 | F02613AA012 | 149 | F02613DB012 | 150 | F02613GD012 | 149 | F02614CA012 |
| 149 | F02612ED018 | 148 | F02613AA018 | 149 | F02613DB018 | 150 | F02613GD018 | 149 | F02614CA018 |
| 149 | F02612ED030 | 148 | F02613AA030 | 149 | F02613DB030 | 150 | F02613GD030 | 149 | F02614CA030 |
| 149 | F02612ED033 | 148 | F02613AA033 | 149 | F02613DB033 | 150 | F02613GD033 | 149 | F02614CA033 |
| 150 | F02612FA001 | 148 | F02613AB001 | 149 | F02613DD001 | 150 | F02613HA001 | 149 | F02614CB001 |
| 150 | F02612FA006 | 148 | F02613AB006 | 149 | F02613DD006 | 150 | F02613HA006 | 149 | F02614CB006 |
| 150 | F02612FA012 | 148 | F02613AB012 | 149 | F02613DD012 | 150 | F02613HA012 | 149 | F02614CB012 |
| 150 | F02612FA018 | 148 | F02613AB018 | 149 | F02613DD018 | 150 | F02613HA018 | 149 | F02614CB018 |
| 150 | F02612FA030 | 148 | F02613AB030 | 149 | F02613DD030 | 150 | F02613HA030 | 149 | F02614CB030 |
| 150 | F02612FA033 | 148 | F02613AB033 | 149 | F02613DD033 | 150 | F02613HA033 | 149 | F02614CB033 |
| 150 | F02612FB001 | 148 | F02613AD001 | 149 | F02613EA001 | 150 | F02613HB001 | 149 | F02614CD001 |
| 150 | F02612FB006 | 148 | F02613AD006 | 149 | F02613EA006 | 150 | F02613HB006 | 149 | F02614CD006 |
| 150 | F02612FB012 | 148 | F02613AD012 | 149 | F02613EA012 | 150 | F02613HB012 | 149 | F02614CD012 |
| 150 | F02612FB018 | 148 | F02613AD018 | 149 | F02613EA018 | 150 | F02613HB018 | 149 | F02614CD018 |
| 150 | F02612FB030 | 148 | F02613AD030 | 149 | F02613EA030 | 150 | F02613HB030 | 149 | F02614CD030 |
| 150 | F02612FB033 | 148 | F02613AD033 | 149 | F02613EA033 | 150 | F02613HB033 | 149 | F02614CD033 |
| 150 | F02612FD001 | 148 | F02613BA001 | 149 | F02613EB001 | 150 | F02613HD001 | 149 | F02614DA001 |
| 150 | F02612FD006 | 148 | F02613BA006 | 149 | F02613EB006 | 150 | F02613HD006 | 149 | F02614DA006 |
| 150 | F02612FD012 | 148 | F02613BA012 | 149 | F02613EB012 | 150 | F02613HD012 | 149 | F02614DA012 |
| 150 | F02612FD018 | 148 | F02613BA018 | 149 | F02613EB018 | 150 | F02613HD018 | 149 | F02614DA018 |
| 150 | F02612FD030 | 148 | F02613BA030 | 149 | F02613EB030 | 150 | F02613HD030 | 149 | F02614DA030 |
| 150 | F02612FD033 | 148 | F02613BA033 | 149 | F02613EB033 | 150 | F02613HD033 | 149 | F02614DA033 |

| Page | Reference | Page | Reference | Page | Reference | Page | Reference | Page | Reference |
|---|---|---|---|---|---|---|---|---|---|
| 149 | F02614DB001 | 150 | F02614GD001 | 152 | F02622DA001 | 153 | F02622GB001 | 151 | F02623CD001 |
| 149 | F02614DB006 | 150 | F02614GD006 | 152 | F02622DA006 | 153 | F02622GB006 | 151 | F02623CD006 |
| 149 | F02614DB012 | 150 | F02614GD012 | 152 | F02622DA012 | 153 | F02622GB012 | 151 | F02623CD012 |
| 149 | F02614DB018 | 150 | F02614GD018 | 152 | F02622DA018 | 153 | F02622GB018 | 151 | F02623CD018 |
| 149 | F02614DB030 | 150 | F02614GD030 | 152 | F02622DA030 | 153 | F02622GB030 | 151 | F02623CD030 |
| 149 | F02614DB033 | 150 | F02614GD033 | 152 | F02622DA033 | 153 | F02622GB033 | 151 | F02623CD033 |
| 149 | F02614DD001 | 150 | F02614HA001 | 152 | F02622DB001 | 153 | F02622GD001 | 152 | F02623DA001 |
| 149 | F02614DD006 | 150 | F02614HA006 | 152 | F02622DB006 | 153 | F02622GD006 | 152 | F02623DA006 |
| 149 | F02614DD012 | 150 | F02614HA012 | 152 | F02622DB012 | 153 | F02622GD012 | 152 | F02623DA012 |
| 149 | F02614DD018 | 150 | F02614HA018 | 152 | F02622DB018 | 153 | F02622GD018 | 152 | F02623DA018 |
| 149 | F02614DD030 | 150 | F02614HA030 | 152 | F02622DB030 | 153 | F02622GD030 | 152 | F02623DA030 |
| 149 | F02614DD033 | 150 | F02614HA033 | 152 | F02622DB033 | 153 | F02622GD033 | 152 | F02623DA033 |
| 149 | F02614EA001 | 150 | F02614HB001 | 152 | F02622DD001 | 153 | F02622HA001 | 152 | F02623DB001 |
| 149 | F02614EA006 | 150 | F02614HB006 | 152 | F02622DD006 | 153 | F02622HA006 | 152 | F02623DB006 |
| 149 | F02614EA012 | 150 | F02614HB012 | 152 | F02622DD012 | 153 | F02622HA012 | 152 | F02623DB012 |
| 149 | F02614EA018 | 150 | F02614HB018 | 152 | F02622DD018 | 153 | F02622HA018 | 152 | F02623DB018 |
| 149 | F02614EA030 | 150 | F02614HB030 | 152 | F02622DD030 | 153 | F02622HA030 | 152 | F02623DB030 |
| 149 | F02614EA033 | 150 | F02614HB033 | 152 | F02622DD033 | 153 | F02622HA033 | 152 | F02623DB033 |
| 149 | F02614EB001 | 150 | F02614HD001 | 152 | F02622EA001 | 153 | F02622HB001 | 152 | F02623DD001 |
| 149 | F02614EB006 | 150 | F02614HD006 | 152 | F02622EA006 | 153 | F02622HB006 | 152 | F02623DD006 |
| 149 | F02614EB012 | 150 | F02614HD012 | 152 | F02622EA012 | 153 | F02622HB012 | 152 | F02623DD012 |
| 149 | F02614EB018 | 150 | F02614HD018 | 152 | F02622EA018 | 153 | F02622HB018 | 152 | F02623DD018 |
| 149 | F02614EB030 | 150 | F02614HD030 | 152 | F02622EA030 | 153 | F02622HB030 | 152 | F02623DD030 |
| 149 | F02614EB033 | 150 | F02614HD033 | 152 | F02622EA033 | 153 | F02622HB033 | 152 | F02623DD033 |
| 149 | F02614ED001 | 151 | F02622BA001 | 152 | F02622EB001 | 153 | F02622HD001 | 152 | F02623EA001 |
| 149 | F02614ED006 | 151 | F02622BA006 | 152 | F02622EB006 | 153 | F02622HD006 | 152 | F02623EA006 |
| 149 | F02614ED012 | 151 | F02622BA012 | 152 | F02622EB012 | 153 | F02622HD012 | 152 | F02623EA012 |
| 149 | F02614ED018 | 151 | F02622BA018 | 152 | F02622EB018 | 153 | F02622HD018 | 152 | F02623EA018 |
| 149 | F02614ED030 | 151 | F02622BA030 | 152 | F02622EB030 | 153 | F02622HD030 | 152 | F02623EA030 |
| 149 | F02614ED033 | 151 | F02622BA033 | 152 | F02622EB033 | 153 | F02622HD033 | 152 | F02623EA033 |
| 150 | F02614FA001 | 151 | F02622BB001 | 152 | F02622ED001 | 151 | F02623BA001 | 152 | F02623EB001 |
| 150 | F02614FA006 | 151 | F02622BB006 | 152 | F02622ED006 | 151 | F02623BA006 | 152 | F02623EB006 |
| 150 | F02614FA012 | 151 | F02622BB012 | 152 | F02622ED012 | 151 | F02623BA012 | 152 | F02623EB012 |
| 150 | F02614FA018 | 151 | F02622BB018 | 152 | F02622ED018 | 151 | F02623BA018 | 152 | F02623EB018 |
| 150 | F02614FA030 | 151 | F02622BB030 | 152 | F02622ED030 | 151 | F02623BA030 | 152 | F02623EB030 |
| 150 | F02614FA033 | 151 | F02622BB033 | 152 | F02622ED033 | 151 | F02623BA033 | 152 | F02623EB033 |
| 150 | F02614FB001 | 151 | F02622BD001 | 152 | F02622FA001 | 151 | F02623BB001 | 152 | F02623ED001 |
| 150 | F02614FB006 | 151 | F02622BD006 | 152 | F02622FA006 | 151 | F02623BB006 | 152 | F02623ED006 |
| 150 | F02614FB012 | 151 | F02622BD012 | 152 | F02622FA012 | 151 | F02623BB012 | 152 | F02623ED012 |
| 150 | F02614FB018 | 151 | F02622BD018 | 152 | F02622FA018 | 151 | F02623BB018 | 152 | F02623ED018 |
| 150 | F02614FB030 | 151 | F02622BD030 | 152 | F02622FA030 | 151 | F02623BB030 | 152 | F02623ED030 |
| 150 | F02614FB033 | 151 | F02622BD033 | 152 | F02622FA033 | 151 | F02623BB033 | 152 | F02623ED033 |
| 150 | F02614FD001 | 151 | F02622CA001 | 152 | F02622FB001 | 151 | F02623BD001 | 152 | F02623FA001 |
| 150 | F02614FD006 | 151 | F02622CA006 | 152 | F02622FB006 | 151 | F02623BD006 | 152 | F02623FA006 |
| 150 | F02614FD012 | 151 | F02622CA012 | 152 | F02622FB012 | 151 | F02623BD012 | 152 | F02623FA012 |
| 150 | F02614FD018 | 151 | F02622CA018 | 152 | F02622FB018 | 151 | F02623BD018 | 152 | F02623FA018 |
| 150 | F02614FD030 | 151 | F02622CA030 | 152 | F02622FB030 | 151 | F02623BD030 | 152 | F02623FA030 |
| 150 | F02614FD033 | 151 | F02622CA033 | 152 | F02622FB033 | 151 | F02623BD033 | 152 | F02623FA033 |
| 150 | F02614GA001 | 151 | F02622CB001 | 152 | F02622FD001 | 151 | F02623CA001 | 152 | F02623FB001 |
| 150 | F02614GA006 | 151 | F02622CB006 | 152 | F02622FD006 | 151 | F02623CA006 | 152 | F02623FB006 |
| 150 | F02614GA012 | 151 | F02622CB012 | 152 | F02622FD012 | 151 | F02623CA012 | 152 | F02623FB012 |
| 150 | F02614GA018 | 151 | F02622CB018 | 152 | F02622FD018 | 151 | F02623CA018 | 152 | F02623FB018 |
| 150 | F02614GA030 | 151 | F02622CB030 | 152 | F02622FD030 | 151 | F02623CA030 | 152 | F02623FB030 |
| 150 | F02614GA033 | 151 | F02622CB033 | 152 | F02622FD033 | 151 | F02623CA033 | 152 | F02623FB033 |
| 150 | F02614GB001 | 151 | F02622CD001 | 153 | F02622GA001 | 151 | F02623CB001 | 152 | F02623FD001 |
| 150 | F02614GB006 | 151 | F02622CD006 | 153 | F02622GA006 | 151 | F02623CB006 | 152 | F02623FD006 |
| 150 | F02614GB012 | 151 | F02622CD012 | 153 | F02622GA012 | 151 | F02623CB012 | 152 | F02623FD012 |
| 150 | F02614GB018 | 151 | F02622CD018 | 153 | F02622GA018 | 151 | F02623CB018 | 152 | F02623FD018 |
| 150 | F02614GB030 | 151 | F02622CD030 | 153 | F02622GA030 | 151 | F02623CB030 | 152 | F02623FD030 |
| 150 | F02614GB033 | 151 | F02622CD033 | 153 | F02622GA033 | 151 | F02623CB033 | 152 | F02623FD033 |

| Page | Reference | Page | Reference | Page | Reference | Page | Reference | Page | Reference |
|---|---|---|---|---|---|---|---|---|---|
| 153 | F02623GA001 | 151 | F02624CB001 | 152 | F02624FD001 | 136 | F02652BA001 | 137 | F02652EB001 |
| 153 | F02623GA006 | 151 | F02624CB006 | 152 | F02624FD006 | 136 | F02652BA006 | 137 | F02652EB006 |
| 153 | F02623GA012 | 151 | F02624CB012 | 152 | F02624FD012 | 136 | F02652BA012 | 137 | F02652EB012 |
| 153 | F02623GA018 | 151 | F02624CB018 | 152 | F02624FD018 | 136 | F02652BA018 | 137 | F02652EB018 |
| 153 | F02623GA030 | 151 | F02624CB030 | 152 | F02624FD030 | 136 | F02652BA030 | 137 | F02652EB030 |
| 153 | F02623GA033 | 151 | F02624CB033 | 152 | F02624FD033 | 136 | F02652BA033 | 137 | F02652EB033 |
| 153 | F02623GB001 | 151 | F02624CD001 | 153 | F02624GA001 | 136 | F02652BB001 | 137 | F02652ED001 |
| 153 | F02623GB006 | 151 | F02624CD006 | 153 | F02624GA006 | 136 | F02652BB006 | 137 | F02652ED006 |
| 153 | F02623GB012 | 151 | F02624CD012 | 153 | F02624GA012 | 136 | F02652BB012 | 137 | F02652ED012 |
| 153 | F02623GB018 | 151 | F02624CD018 | 153 | F02624GA018 | 136 | F02652BB018 | 137 | F02652ED018 |
| 153 | F02623GB030 | 151 | F02624CD030 | 153 | F02624GA030 | 136 | F02652BB030 | 137 | F02652ED030 |
| 153 | F02623GB033 | 151 | F02624CD033 | 153 | F02624GA033 | 136 | F02652BB033 | 137 | F02652ED033 |
| 153 | F02623GD001 | 152 | F02624DA001 | 153 | F02624GB001 | 136 | F02652BD001 | 138 | F02652FA001 |
| 153 | F02623GD006 | 152 | F02624DA006 | 153 | F02624GB006 | 136 | F02652BD006 | 138 | F02652FA006 |
| 153 | F02623GD012 | 152 | F02624DA012 | 153 | F02624GB012 | 136 | F02652BD012 | 138 | F02652FA012 |
| 153 | F02623GD018 | 152 | F02624DA018 | 153 | F02624GB018 | 136 | F02652BD018 | 138 | F02652FA018 |
| 153 | F02623GD030 | 152 | F02624DA030 | 153 | F02624GB030 | 136 | F02652BD030 | 138 | F02652FA030 |
| 153 | F02623GD033 | 152 | F02624DA033 | 153 | F02624GB033 | 136 | F02652BD033 | 138 | F02652FA033 |
| 153 | F02623HA001 | 152 | F02624DB001 | 153 | F02624GD001 | 137 | F02652CA001 | 138 | F02652FB001 |
| 153 | F02623HA006 | 152 | F02624DB006 | 153 | F02624GD006 | 137 | F02652CA006 | 138 | F02652FB006 |
| 153 | F02623HA012 | 152 | F02624DB012 | 153 | F02624GD012 | 137 | F02652CA012 | 138 | F02652FB012 |
| 153 | F02623HA018 | 152 | F02624DB018 | 153 | F02624GD018 | 137 | F02652CA018 | 138 | F02652FB018 |
| 153 | F02623HA030 | 152 | F02624DB030 | 153 | F02624GD030 | 137 | F02652CA030 | 138 | F02652FB030 |
| 153 | F02623HA033 | 152 | F02624DB033 | 153 | F02624GD033 | 137 | F02652CA033 | 138 | F02652FB033 |
| 153 | F02623HB001 | 152 | F02624DD001 | 153 | F02624HA001 | 137 | F02652CB001 | 138 | F02652FD001 |
| 153 | F02623HB006 | 152 | F02624DD006 | 153 | F02624HA006 | 137 | F02652CB006 | 138 | F02652FD006 |
| 153 | F02623HB012 | 152 | F02624DD012 | 153 | F02624HA012 | 137 | F02652CB012 | 138 | F02652FD012 |
| 153 | F02623HB018 | 152 | F02624DD018 | 153 | F02624HA018 | 137 | F02652CB018 | 138 | F02652FD018 |
| 153 | F02623HB030 | 152 | F02624DD030 | 153 | F02624HA030 | 137 | F02652CB030 | 138 | F02652FD030 |
| 153 | F02623HB033 | 152 | F02624DD033 | 153 | F02624HA033 | 137 | F02652CB033 | 138 | F02652FD033 |
| 153 | F02623HD001 | 152 | F02624EA001 | 153 | F02624HB001 | 137 | F02652CD001 | 138 | F02652GA001 |
| 153 | F02623HD006 | 152 | F02624EA006 | 153 | F02624HB006 | 137 | F02652CD006 | 138 | F02652GA006 |
| 153 | F02623HD012 | 152 | F02624EA012 | 153 | F02624HB012 | 137 | F02652CD012 | 138 | F02652GA012 |
| 153 | F02623HD018 | 152 | F02624EA018 | 153 | F02624HB018 | 137 | F02652CD018 | 138 | F02652GA018 |
| 153 | F02623HD030 | 152 | F02624EA030 | 153 | F02624HB030 | 137 | F02652CD030 | 138 | F02652GA030 |
| 153 | F02623HD033 | 152 | F02624EA033 | 153 | F02624HB033 | 137 | F02652CD033 | 138 | F02652GA033 |
| 151 | F02624BA001 | 152 | F02624EB001 | 153 | F02624HD001 | 137 | F02652DA001 | 138 | F02652GB001 |
| 151 | F02624BA006 | 152 | F02624EB006 | 153 | F02624HD006 | 137 | F02652DA006 | 138 | F02652GB006 |
| 151 | F02624BA012 | 152 | F02624EB012 | 153 | F02624HD012 | 137 | F02652DA012 | 138 | F02652GB012 |
| 151 | F02624BA018 | 152 | F02624EB018 | 153 | F02624HD018 | 137 | F02652DA018 | 138 | F02652GB018 |
| 151 | F02624BA030 | 152 | F02624EB030 | 153 | F02624HD030 | 137 | F02652DA030 | 138 | F02652GB030 |
| 151 | F02624BA033 | 152 | F02624EB033 | 153 | F02624HD033 | 137 | F02652DA033 | 138 | F02652GB033 |
| 151 | F02624BB001 | 152 | F02624ED001 | 136 | F02652AA001 | 137 | F02652DB001 | 138 | F02652GD001 |
| 151 | F02624BB006 | 152 | F02624ED006 | 136 | F02652AA006 | 137 | F02652DB006 | 138 | F02652GD006 |
| 151 | F02624BB012 | 152 | F02624ED012 | 136 | F02652AA012 | 137 | F02652DB012 | 138 | F02652GD012 |
| 151 | F02624BB018 | 152 | F02624ED018 | 136 | F02652AA018 | 137 | F02652DB018 | 138 | F02652GD018 |
| 151 | F02624BB030 | 152 | F02624ED030 | 136 | F02652AA030 | 137 | F02652DB030 | 138 | F02652GD030 |
| 151 | F02624BB033 | 152 | F02624ED033 | 136 | F02652AA033 | 137 | F02652DB033 | 138 | F02652GD033 |
| 151 | F02624BD001 | 152 | F02624FA001 | 136 | F02652AB001 | 137 | F02652DD001 | 138 | F02652HA001 |
| 151 | F02624BD006 | 152 | F02624FA006 | 136 | F02652AB006 | 137 | F02652DD006 | 138 | F02652HA006 |
| 151 | F02624BD012 | 152 | F02624FA012 | 136 | F02652AB012 | 137 | F02652DD012 | 138 | F02652HA012 |
| 151 | F02624BD018 | 152 | F02624FA018 | 136 | F02652AB018 | 137 | F02652DD018 | 138 | F02652HA018 |
| 151 | F02624BD030 | 152 | F02624FA030 | 136 | F02652AB030 | 137 | F02652DD030 | 138 | F02652HA030 |
| 151 | F02624BD033 | 152 | F02624FA033 | 136 | F02652AB033 | 137 | F02652DD033 | 138 | F02652HA033 |
| 151 | F02624CA001 | 152 | F02624FB001 | 136 | F02652AD001 | 137 | F02652EA001 | 138 | F02652HB001 |
| 151 | F02624CA006 | 152 | F02624FB006 | 136 | F02652AD006 | 137 | F02652EA006 | 138 | F02652HB006 |
| 151 | F02624CA012 | 152 | F02624FB012 | 136 | F02652AD012 | 137 | F02652EA012 | 138 | F02652HB012 |
| 151 | F02624CA018 | 152 | F02624FB018 | 136 | F02652AD018 | 137 | F02652EA018 | 138 | F02652HB018 |
| 151 | F02624CA030 | 152 | F02624FB030 | 136 | F02652AD030 | 137 | F02652EA030 | 138 | F02652HB030 |
| 151 | F02624CA033 | 152 | F02624FB033 | 136 | F02652AD033 | 137 | F02652EA033 | 138 | F02652HB033 |

| Page | Reference | Page | Reference | Page | Reference | Page | Reference | Page | Reference |
|---|---|---|---|---|---|---|---|---|---|
| 138 | F02652HD001 | 137 | F02653DA001 | 138 | F02653GB001 | 136 | F02654BD001 | 138 | F02654FA001 |
| 138 | F02652HD006 | 137 | F02653DA006 | 138 | F02653GB006 | 136 | F02654BD006 | 138 | F02654FA006 |
| 138 | F02652HD012 | 137 | F02653DA012 | 138 | F02653GB012 | 136 | F02654BD012 | 138 | F02654FA012 |
| 138 | F02652HD018 | 137 | F02653DA018 | 138 | F02653GB018 | 136 | F02654BD018 | 138 | F02654FA018 |
| 138 | F02652HD030 | 137 | F02653DA030 | 138 | F02653GB030 | 136 | F02654BD030 | 138 | F02654FA030 |
| 138 | F02652HD033 | 137 | F02653DA033 | 138 | F02653GB033 | 136 | F02654BD033 | 138 | F02654FA033 |
| 136 | F02653AA001 | 137 | F02653DB001 | 138 | F02653GD001 | 137 | F02654CA001 | 138 | F02654FB001 |
| 136 | F02653AA006 | 137 | F02653DB006 | 138 | F02653GD006 | 137 | F02654CA006 | 138 | F02654FB006 |
| 136 | F02653AA012 | 137 | F02653DB012 | 138 | F02653GD012 | 137 | F02654CA012 | 138 | F02654FB012 |
| 136 | F02653AA018 | 137 | F02653DB018 | 138 | F02653GD018 | 137 | F02654CA018 | 138 | F02654FB018 |
| 136 | F02653AA030 | 137 | F02653DB030 | 138 | F02653GD030 | 137 | F02654CA030 | 138 | F02654FB030 |
| 136 | F02653AA033 | 137 | F02653DB033 | 138 | F02653GD033 | 137 | F02654CA033 | 138 | F02654FB033 |
| 136 | F02653AB001 | 137 | F02653DD001 | 138 | F02653HA001 | 137 | F02654CB001 | 138 | F02654FD001 |
| 136 | F02653AB006 | 137 | F02653DD006 | 138 | F02653HA006 | 137 | F02654CB006 | 138 | F02654FD006 |
| 136 | F02653AB012 | 137 | F02653DD012 | 138 | F02653HA012 | 137 | F02654CB012 | 138 | F02654FD012 |
| 136 | F02653AB018 | 137 | F02653DD018 | 138 | F02653HA018 | 137 | F02654CB018 | 138 | F02654FD018 |
| 136 | F02653AB030 | 137 | F02653DD030 | 138 | F02653HA030 | 137 | F02654CB030 | 138 | F02654FD030 |
| 136 | F02653AB033 | 137 | F02653DD033 | 138 | F02653HA033 | 137 | F02654CB033 | 138 | F02654FD033 |
| 136 | F02653AD001 | 137 | F02653EA001 | 138 | F02653HB001 | 137 | F02654CD001 | 138 | F02654GA001 |
| 136 | F02653AD006 | 137 | F02653EA006 | 138 | F02653HB006 | 137 | F02654CD006 | 138 | F02654GA006 |
| 136 | F02653AD012 | 137 | F02653EA012 | 138 | F02653HB012 | 137 | F02654CD012 | 138 | F02654GA012 |
| 136 | F02653AD018 | 137 | F02653EA018 | 138 | F02653HB018 | 137 | F02654CD018 | 138 | F02654GA018 |
| 136 | F02653AD030 | 137 | F02653EA030 | 138 | F02653HB030 | 137 | F02654CD030 | 138 | F02654GA030 |
| 136 | F02653AD033 | 137 | F02653EA033 | 138 | F02653HB033 | 137 | F02654CD033 | 138 | F02654GA033 |
| 136 | F02653BA001 | 137 | F02653EB001 | 138 | F02653HD001 | 137 | F02654DA001 | 138 | F02654GB001 |
| 136 | F02653BA006 | 137 | F02653EB006 | 138 | F02653HD006 | 137 | F02654DA006 | 138 | F02654GB006 |
| 136 | F02653BA012 | 137 | F02653EB012 | 138 | F02653HD012 | 137 | F02654DA012 | 138 | F02654GB012 |
| 136 | F02653BA018 | 137 | F02653EB018 | 138 | F02653HD018 | 137 | F02654DA018 | 138 | F02654GB018 |
| 136 | F02653BA030 | 137 | F02653EB030 | 138 | F02653HD030 | 137 | F02654DA030 | 138 | F02654GB030 |
| 136 | F02653BA033 | 137 | F02653EB033 | 138 | F02653HD033 | 137 | F02654DA033 | 138 | F02654GB033 |
| 136 | F02653BB001 | 137 | F02653ED001 | 136 | F02654AA001 | 137 | F02654DB001 | 138 | F02654GD001 |
| 136 | F02653BB006 | 137 | F02653ED006 | 136 | F02654AA006 | 137 | F02654DB006 | 138 | F02654GD006 |
| 136 | F02653BB012 | 137 | F02653ED012 | 136 | F02654AA012 | 137 | F02654DB012 | 138 | F02654GD012 |
| 136 | F02653BB018 | 137 | F02653ED018 | 136 | F02654AA018 | 137 | F02654DB018 | 138 | F02654GD018 |
| 136 | F02653BB030 | 137 | F02653ED030 | 136 | F02654AA030 | 137 | F02654DB030 | 138 | F02654GD030 |
| 136 | F02653BB033 | 137 | F02653ED033 | 136 | F02654AA033 | 137 | F02654DB033 | 138 | F02654GD033 |
| 136 | F02653BD001 | 138 | F02653FA001 | 136 | F02654AB001 | 137 | F02654DD001 | 138 | F02654HA001 |
| 136 | F02653BD006 | 138 | F02653FA006 | 136 | F02654AB006 | 137 | F02654DD006 | 138 | F02654HA006 |
| 136 | F02653BD012 | 138 | F02653FA012 | 136 | F02654AB012 | 137 | F02654DD012 | 138 | F02654HA012 |
| 136 | F02653BD018 | 138 | F02653FA018 | 136 | F02654AB018 | 137 | F02654DD018 | 138 | F02654HA018 |
| 136 | F02653BD030 | 138 | F02653FA030 | 136 | F02654AB030 | 137 | F02654DD030 | 138 | F02654HA030 |
| 136 | F02653BD033 | 138 | F02653FA033 | 136 | F02654AB033 | 137 | F02654DD033 | 138 | F02654HA033 |
| 137 | F02653CA001 | 138 | F02653FB001 | 136 | F02654AD001 | 137 | F02654EA001 | 138 | F02654HB001 |
| 137 | F02653CA006 | 138 | F02653FB006 | 136 | F02654AD006 | 137 | F02654EA006 | 138 | F02654HB006 |
| 137 | F02653CA012 | 138 | F02653FB012 | 136 | F02654AD012 | 137 | F02654EA012 | 138 | F02654HB012 |
| 137 | F02653CA018 | 138 | F02653FB018 | 136 | F02654AD018 | 137 | F02654EA018 | 138 | F02654HB018 |
| 137 | F02653CA030 | 138 | F02653FB030 | 136 | F02654AD030 | 137 | F02654EA030 | 138 | F02654HB030 |
| 137 | F02653CA033 | 138 | F02653FB033 | 136 | F02654AD033 | 137 | F02654EA033 | 138 | F02654HB033 |
| 137 | F02653CB001 | 138 | F02653FD001 | 136 | F02654BA001 | 137 | F02654EB001 | 138 | F02654HD001 |
| 137 | F02653CB006 | 138 | F02653FD006 | 136 | F02654BA006 | 137 | F02654EB006 | 138 | F02654HD006 |
| 137 | F02653CB012 | 138 | F02653FD012 | 136 | F02654BA012 | 137 | F02654EB012 | 138 | F02654HD012 |
| 137 | F02653CB018 | 138 | F02653FD018 | 136 | F02654BA018 | 137 | F02654EB018 | 138 | F02654HD018 |
| 137 | F02653CB030 | 138 | F02653FD030 | 136 | F02654BA030 | 137 | F02654EB030 | 138 | F02654HD030 |
| 137 | F02653CB033 | 138 | F02653FD033 | 136 | F02654BA033 | 137 | F02654EB033 | 138 | F02654HD033 |
| 137 | F02653CD001 | 138 | F02653GA001 | 136 | F02654BB001 | 137 | F02654ED001 | 139 | F02662BA001 |
| 137 | F02653CD006 | 138 | F02653GA006 | 136 | F02654BB006 | 137 | F02654ED006 | 139 | F02662BA006 |
| 137 | F02653CD012 | 138 | F02653GA012 | 136 | F02654BB012 | 137 | F02654ED012 | 139 | F02662BA012 |
| 137 | F02653CD018 | 138 | F02653GA018 | 136 | F02654BB018 | 137 | F02654ED018 | 139 | F02662BA018 |
| 137 | F02653CD030 | 138 | F02653GA030 | 136 | F02654BB030 | 137 | F02654ED030 | 139 | F02662BA030 |
| 137 | F02653CD033 | 138 | F02653GA033 | 136 | F02654BB033 | 137 | F02654ED033 | 139 | F02662BA033 |

| Page | Reference | Page | Reference | Page | Reference | Page | Reference | Page | Reference |
|---|---|---|---|---|---|---|---|---|---|
| 139 | F02662BB001 | 140 | F02662ED001 | 139 | F02663BA001 | 140 | F02663EB001 | 141 | F02663HD001 |
| 139 | F02662BB006 | 140 | F02662ED006 | 139 | F02663BA006 | 140 | F02663EB006 | 141 | F02663HD006 |
| 139 | F02662BB012 | 140 | F02662ED012 | 139 | F02663BA012 | 140 | F02663EB012 | 141 | F02663HD012 |
| 139 | F02662BB018 | 140 | F02662ED018 | 139 | F02663BA018 | 140 | F02663EB018 | 141 | F02663HD018 |
| 139 | F02662BB030 | 140 | F02662ED030 | 139 | F02663BA030 | 140 | F02663EB030 | 141 | F02663HD030 |
| 139 | F02662BB033 | 140 | F02662ED033 | 139 | F02663BA033 | 140 | F02663EB033 | 141 | F02663HD033 |
| 139 | F02662BD001 | 140 | F02662FA001 | 139 | F02663BB001 | 140 | F02663ED001 | 139 | F02664BA001 |
| 139 | F02662BD006 | 140 | F02662FA006 | 139 | F02663BB006 | 140 | F02663ED006 | 139 | F02664BA006 |
| 139 | F02662BD012 | 140 | F02662FA012 | 139 | F02663BB012 | 140 | F02663ED012 | 139 | F02664BA012 |
| 139 | F02662BD018 | 140 | F02662FA018 | 139 | F02663BB018 | 140 | F02663ED018 | 139 | F02664BA018 |
| 139 | F02662BD030 | 140 | F02662FA030 | 139 | F02663BB030 | 140 | F02663ED030 | 139 | F02664BA030 |
| 139 | F02662BD033 | 140 | F02662FA033 | 139 | F02663BB033 | 140 | F02663ED033 | 139 | F02664BA033 |
| 139 | F02662CA001 | 140 | F02662FB001 | 139 | F02663BD001 | 140 | F02663FA001 | 139 | F02664BB001 |
| 139 | F02662CA006 | 140 | F02662FB006 | 139 | F02663BD006 | 140 | F02663FA006 | 139 | F02664BB006 |
| 139 | F02662CA012 | 140 | F02662FB012 | 139 | F02663BD012 | 140 | F02663FA012 | 139 | F02664BB012 |
| 139 | F02662CA018 | 140 | F02662FB018 | 139 | F02663BD018 | 140 | F02663FA018 | 139 | F02664BB018 |
| 139 | F02662CA030 | 140 | F02662FB030 | 139 | F02663BD030 | 140 | F02663FA030 | 139 | F02664BB030 |
| 139 | F02662CA033 | 140 | F02662FB033 | 139 | F02663BD033 | 140 | F02663FA033 | 139 | F02664BB033 |
| 139 | F02662CB001 | 140 | F02662FD001 | 139 | F02663CA001 | 140 | F02663FB001 | 139 | F02664BD001 |
| 139 | F02662CB006 | 140 | F02662FD006 | 139 | F02663CA006 | 140 | F02663FB006 | 139 | F02664BD006 |
| 139 | F02662CB012 | 140 | F02662FD012 | 139 | F02663CA012 | 140 | F02663FB012 | 139 | F02664BD012 |
| 139 | F02662CB018 | 140 | F02662FD018 | 139 | F02663CA018 | 140 | F02663FB018 | 139 | F02664BD018 |
| 139 | F02662CB030 | 140 | F02662FD030 | 139 | F02663CA030 | 140 | F02663FB030 | 139 | F02664BD030 |
| 139 | F02662CB033 | 140 | F02662FD033 | 139 | F02663CA033 | 140 | F02663FB033 | 139 | F02664BD033 |
| 139 | F02662CD001 | 141 | F02662GA001 | 139 | F02663CB001 | 140 | F02663FD001 | 139 | F02664CA001 |
| 139 | F02662CD006 | 141 | F02662GA006 | 139 | F02663CB006 | 140 | F02663FD006 | 139 | F02664CA006 |
| 139 | F02662CD012 | 141 | F02662GA012 | 139 | F02663CB012 | 140 | F02663FD012 | 139 | F02664CA012 |
| 139 | F02662CD018 | 141 | F02662GA018 | 139 | F02663CB018 | 140 | F02663FD018 | 139 | F02664CA018 |
| 139 | F02662CD030 | 141 | F02662GA030 | 139 | F02663CB030 | 140 | F02663FD030 | 139 | F02664CA030 |
| 139 | F02662CD033 | 141 | F02662GA033 | 139 | F02663CB033 | 140 | F02663FD033 | 139 | F02664CA033 |
| 140 | F02662DA001 | 141 | F02662GB001 | 139 | F02663CD001 | 141 | F02663GA001 | 139 | F02664CB001 |
| 140 | F02662DA006 | 141 | F02662GB006 | 139 | F02663CD006 | 141 | F02663GA006 | 139 | F02664CB006 |
| 140 | F02662DA012 | 141 | F02662GB012 | 139 | F02663CD012 | 141 | F02663GA012 | 139 | F02664CB012 |
| 140 | F02662DA018 | 141 | F02662GB018 | 139 | F02663CD018 | 141 | F02663GA018 | 139 | F02664CB018 |
| 140 | F02662DA030 | 141 | F02662GB030 | 139 | F02663CD030 | 141 | F02663GA030 | 139 | F02664CB030 |
| 140 | F02662DA033 | 141 | F02662GB033 | 139 | F02663CD033 | 141 | F02663GA033 | 139 | F02664CB033 |
| 140 | F02662DB001 | 141 | F02662GD001 | 140 | F02663DA001 | 141 | F02663GB001 | 139 | F02664CD001 |
| 140 | F02662DB006 | 141 | F02662GD006 | 140 | F02663DA006 | 141 | F02663GB006 | 139 | F02664CD006 |
| 140 | F02662DB012 | 141 | F02662GD012 | 140 | F02663DA012 | 141 | F02663GB012 | 139 | F02664CD012 |
| 140 | F02662DB018 | 141 | F02662GD018 | 140 | F02663DA018 | 141 | F02663GB018 | 139 | F02664CD018 |
| 140 | F02662DB030 | 141 | F02662GD030 | 140 | F02663DA030 | 141 | F02663GB030 | 139 | F02664CD030 |
| 140 | F02662DB033 | 141 | F02662GD033 | 140 | F02663DA033 | 141 | F02663GB033 | 139 | F02664CD033 |
| 140 | F02662DD001 | 141 | F02662HA001 | 140 | F02663DB001 | 141 | F02663GD001 | 140 | F02664DA001 |
| 140 | F02662DD006 | 141 | F02662HA006 | 140 | F02663DB006 | 141 | F02663GD006 | 140 | F02664DA006 |
| 140 | F02662DD012 | 141 | F02662HA012 | 140 | F02663DB012 | 141 | F02663GD012 | 140 | F02664DA012 |
| 140 | F02662DD018 | 141 | F02662HA018 | 140 | F02663DB018 | 141 | F02663GD018 | 140 | F02664DA018 |
| 140 | F02662DD030 | 141 | F02662HA030 | 140 | F02663DB030 | 141 | F02663GD030 | 140 | F02664DA030 |
| 140 | F02662DD033 | 141 | F02662HA033 | 140 | F02663DB033 | 141 | F02663GD033 | 140 | F02664DA033 |
| 140 | F02662EA001 | 141 | F02662HB001 | 140 | F02663DD001 | 141 | F02663HA001 | 140 | F02664DB001 |
| 140 | F02662EA006 | 141 | F02662HB006 | 140 | F02663DD006 | 141 | F02663HA006 | 140 | F02664DB006 |
| 140 | F02662EA012 | 141 | F02662HB012 | 140 | F02663DD012 | 141 | F02663HA012 | 140 | F02664DB012 |
| 140 | F02662EA018 | 141 | F02662HB018 | 140 | F02663DD018 | 141 | F02663HA018 | 140 | F02664DB018 |
| 140 | F02662EA030 | 141 | F02662HB030 | 140 | F02663DD030 | 141 | F02663HA030 | 140 | F02664DB030 |
| 140 | F02662EA033 | 141 | F02662HB033 | 140 | F02663DD033 | 141 | F02663HA033 | 140 | F02664DB033 |
| 140 | F02662EB001 | 141 | F02662HD001 | 140 | F02663EA001 | 141 | F02663HB001 | 140 | F02664DD001 |
| 140 | F02662EB006 | 141 | F02662HD006 | 140 | F02663EA006 | 141 | F02663HB006 | 140 | F02664DD006 |
| 140 | F02662EB012 | 141 | F02662HD012 | 140 | F02663EA012 | 141 | F02663HB012 | 140 | F02664DD012 |
| 140 | F02662EB018 | 141 | F02662HD018 | 140 | F02663EA018 | 141 | F02663HB018 | 140 | F02664DD018 |
| 140 | F02662EB030 | 141 | F02662HD030 | 140 | F02663EA030 | 141 | F02663HB030 | 140 | F02664DD030 |
| 140 | F02662EB033 | 141 | F02662HD033 | 140 | F02663EA033 | 141 | F02663HB033 | 140 | F02664DD033 |

| Page | Reference | Page | Reference | Page | Reference | Page | Reference | Page | Reference |
|---|---|---|---|---|---|---|---|---|---|
| 140 | F02664EA001 | 141 | F02664HB001 | 37 | F026A3BD001.A | 52 | F026B2AA001 | 53 | F026B2DB001 |
| 140 | F02664EA006 | 141 | F02664HB006 | 37 | F026A3BD006.A | 52 | F026B2AA006 | 53 | F026B2DB006 |
| 140 | F02664EA012 | 141 | F02664HB012 | 37 | F026A3BD012.A | 52 | F026B2AA012 | 53 | F026B2DB012 |
| 140 | F02664EA018 | 141 | F02664HB018 | 37 | F026A3BD018.A | 52 | F026B2AA018 | 53 | F026B2DB018 |
| 140 | F02664EA030 | 141 | F02664HB030 | 37 | F026A3BD030.A | 52 | F026B2AA030 | 53 | F026B2DB030 |
| 140 | F02664EA033 | 141 | F02664HB033 | 37 | F026A3BD033.A | 52 | F026B2AA033 | 53 | F026B2DB033 |
| 140 | F02664EB001 | 141 | F02664HD001 | 37 | F026A3CA001.A | 52 | F026B2AB001 | 53 | F026B2DD001 |
| 140 | F02664EB006 | 141 | F02664HD006 | 37 | F026A3CA006.A | 52 | F026B2AB006 | 53 | F026B2DD006 |
| 140 | F02664EB012 | 141 | F02664HD012 | 37 | F026A3CA012.A | 52 | F026B2AB012 | 53 | F026B2DD012 |
| 140 | F02664EB018 | 141 | F02664HD018 | 37 | F026A3CA018.A | 52 | F026B2AB018 | 53 | F026B2DD018 |
| 140 | F02664EB030 | 141 | F02664HD030 | 37 | F026A3CA030.A | 52 | F026B2AB030 | 53 | F026B2DD030 |
| 140 | F02664EB033 | 141 | F02664HD033 | 37 | F026A3CA033.A | 52 | F026B2AB033 | 53 | F026B2DD033 |
| 140 | F02664ED001 | 37 | F026A2BA001.A | 37 | F026A3CB001.A | 52 | F026B2AD001 | 53 | F026B2EA001 |
| 140 | F02664ED006 | 37 | F026A2BA006.A | 37 | F026A3CB006.A | 52 | F026B2AD006 | 53 | F026B2EA006 |
| 140 | F02664ED012 | 37 | F026A2BA012.A | 37 | F026A3CB012.A | 52 | F026B2AD012 | 53 | F026B2EA012 |
| 140 | F02664ED018 | 37 | F026A2BA018.A | 37 | F026A3CB018.A | 52 | F026B2AD018 | 53 | F026B2EA018 |
| 140 | F02664ED030 | 37 | F026A2BA030.A | 37 | F026A3CB030.A | 52 | F026B2AD030 | 53 | F026B2EA030 |
| 140 | F02664ED033 | 37 | F026A2BA033.A | 37 | F026A3CB033.A | 52 | F026B2AD033 | 53 | F026B2EA033 |
| 140 | F02664FA001 | 37 | F026A2BB001.A | 37 | F026A3CD001.A | 52 | F026B2BA001 | 53 | F026B2EB001 |
| 140 | F02664FA006 | 37 | F026A2BB006.A | 37 | F026A3CD006.A | 52 | F026B2BA006 | 53 | F026B2EB006 |
| 140 | F02664FA012 | 37 | F026A2BB012.A | 37 | F026A3CD012.A | 52 | F026B2BA012 | 53 | F026B2EB012 |
| 140 | F02664FA018 | 37 | F026A2BB018.A | 37 | F026A3CD018.A | 52 | F026B2BA018 | 53 | F026B2EB018 |
| 140 | F02664FA030 | 37 | F026A2BB030.A | 37 | F026A3CD030.A | 52 | F026B2BA030 | 53 | F026B2EB030 |
| 140 | F02664FA033 | 37 | F026A2BB033.A | 37 | F026A3CD033.A | 52 | F026B2BA033 | 53 | F026B2EB033 |
| 140 | F02664FB001 | 37 | F026A2BD001.A | 37 | F026A4BA001.A | 52 | F026B2BB001 | 53 | F026B2ED001 |
| 140 | F02664FB006 | 37 | F026A2BD006.A | 37 | F026A4BA006.A | 52 | F026B2BB006 | 53 | F026B2ED006 |
| 140 | F02664FB012 | 37 | F026A2BD012.A | 37 | F026A4BA012.A | 52 | F026B2BB012 | 53 | F026B2ED012 |
| 140 | F02664FB018 | 37 | F026A2BD018.A | 37 | F026A4BA018.A | 52 | F026B2BB018 | 53 | F026B2ED018 |
| 140 | F02664FB030 | 37 | F026A2BD030.A | 37 | F026A4BA030.A | 52 | F026B2BB030 | 53 | F026B2ED030 |
| 140 | F02664FB033 | 37 | F026A2BD033.A | 37 | F026A4BA033.A | 52 | F026B2BB033 | 53 | F026B2ED033 |
| 140 | F02664FD001 | 37 | F026A2CA001.A | 37 | F026A4BB001.A | 52 | F026B2BD001 | 54 | F026B2FA001 |
| 140 | F02664FD006 | 37 | F026A2CA006.A | 37 | F026A4BB006.A | 52 | F026B2BD006 | 54 | F026B2FA006 |
| 140 | F02664FD012 | 37 | F026A2CA012.A | 37 | F026A4BB012.A | 52 | F026B2BD012 | 54 | F026B2FA012 |
| 140 | F02664FD018 | 37 | F026A2CA018.A | 37 | F026A4BB018.A | 52 | F026B2BD018 | 54 | F026B2FA018 |
| 140 | F02664FD030 | 37 | F026A2CA030.A | 37 | F026A4BB030.A | 52 | F026B2BD030 | 54 | F026B2FA030 |
| 140 | F02664FD033 | 37 | F026A2CA033.A | 37 | F026A4BB033.A | 52 | F026B2BD033 | 54 | F026B2FA033 |
| 141 | F02664GA001 | 37 | F026A2CB001.A | 37 | F026A4BD001.A | 53 | F026B2CA001 | 54 | F026B2FB001 |
| 141 | F02664GA006 | 37 | F026A2CB006.A | 37 | F026A4BD006.A | 53 | F026B2CA006 | 54 | F026B2FB006 |
| 141 | F02664GA012 | 37 | F026A2CB012.A | 37 | F026A4BD012.A | 53 | F026B2CA012 | 54 | F026B2FB012 |
| 141 | F02664GA018 | 37 | F026A2CB018.A | 37 | F026A4BD018.A | 53 | F026B2CA018 | 54 | F026B2FB018 |
| 141 | F02664GA030 | 37 | F026A2CB030.A | 37 | F026A4BD030.A | 53 | F026B2CA030 | 54 | F026B2FB030 |
| 141 | F02664GA033 | 37 | F026A2CB033.A | 37 | F026A4BD033.A | 53 | F026B2CA033 | 54 | F026B2FB033 |
| 141 | F02664GB001 | 37 | F026A2CD001.A | 37 | F026A4CA001.A | 53 | F026B2CB001 | 54 | F026B2FD001 |
| 141 | F02664GB006 | 37 | F026A2CD006.A | 37 | F026A4CA006.A | 53 | F026B2CB006 | 54 | F026B2FD006 |
| 141 | F02664GB012 | 37 | F026A2CD012.A | 37 | F026A4CA012.A | 53 | F026B2CB012 | 54 | F026B2FD012 |
| 141 | F02664GB018 | 37 | F026A2CD018.A | 37 | F026A4CA018.A | 53 | F026B2CB018 | 54 | F026B2FD018 |
| 141 | F02664GB030 | 37 | F026A2CD030.A | 37 | F026A4CA030.A | 53 | F026B2CB030 | 54 | F026B2FD030 |
| 141 | F02664GB033 | 37 | F026A2CD033.A | 37 | F026A4CA033.A | 53 | F026B2CB033 | 54 | F026B2FD033 |
| 141 | F02664GD001 | 37 | F026A3BA001.A | 37 | F026A4CB001.A | 53 | F026B2CD001 | 54 | F026B2GA001 |
| 141 | F02664GD006 | 37 | F026A3BA006.A | 37 | F026A4CB006.A | 53 | F026B2CD006 | 54 | F026B2GA006 |
| 141 | F02664GD012 | 37 | F026A3BA012.A | 37 | F026A4CB012.A | 53 | F026B2CD012 | 54 | F026B2GA012 |
| 141 | F02664GD018 | 37 | F026A3BA018.A | 37 | F026A4CB018.A | 53 | F026B2CD018 | 54 | F026B2GA018 |
| 141 | F02664GD030 | 37 | F026A3BA030.A | 37 | F026A4CB030.A | 53 | F026B2CD030 | 54 | F026B2GA030 |
| 141 | F02664GD033 | 37 | F026A3BA033.A | 37 | F026A4CB033.A | 53 | F026B2CD033 | 54 | F026B2GA033 |
| 141 | F02664HA001 | 37 | F026A3BB001.A | 37 | F026A4CD001.A | 53 | F026B2DA001 | 54 | F026B2GB001 |
| 141 | F02664HA006 | 37 | F026A3BB006.A | 37 | F026A4CD006.A | 53 | F026B2DA006 | 54 | F026B2GB006 |
| 141 | F02664HA012 | 37 | F026A3BB012.A | 37 | F026A4CD012.A | 53 | F026B2DA012 | 54 | F026B2GB012 |
| 141 | F02664HA018 | 37 | F026A3BB018.A | 37 | F026A4CD018.A | 53 | F026B2DA018 | 54 | F026B2GB018 |
| 141 | F02664HA030 | 37 | F026A3BB030.A | 37 | F026A4CD030.A | 53 | F026B2DA030 | 54 | F026B2GB030 |
| 141 | F02664HA033 | 37 | F026A3BB033.A | 37 | F026A4CD033.A | 53 | F026B2DA033 | 54 | F026B2GB033 |

| Page | Reference | Page | Reference | Page | Reference | Page | Reference | Page | Reference |
|---|---|---|---|---|---|---|---|---|---|
| 54 | F026B2GD001 | 53 | F026B3CA001 | 54 | F026B3FB001 | 52 | F026B4AD001 | 53 | F026B4EA001 |
| 54 | F026B2GD006 | 53 | F026B3CA006 | 54 | F026B3FB006 | 52 | F026B4AD006 | 53 | F026B4EA006 |
| 54 | F026B2GD012 | 53 | F026B3CA012 | 54 | F026B3FB012 | 52 | F026B4AD012 | 53 | F026B4EA012 |
| 54 | F026B2GD018 | 53 | F026B3CA018 | 54 | F026B3FB018 | 52 | F026B4AD018 | 53 | F026B4EA018 |
| 54 | F026B2GD030 | 53 | F026B3CA030 | 54 | F026B3FB030 | 52 | F026B4AD030 | 53 | F026B4EA030 |
| 54 | F026B2GD033 | 53 | F026B3CA033 | 54 | F026B3FB033 | 52 | F026B4AD033 | 53 | F026B4EA033 |
| 54 | F026B2HA001 | 53 | F026B3CB001 | 54 | F026B3FD001 | 52 | F026B4BA001 | 53 | F026B4EB001 |
| 54 | F026B2HA006 | 53 | F026B3CB006 | 54 | F026B3FD006 | 52 | F026B4BA006 | 53 | F026B4EB006 |
| 54 | F026B2HA012 | 53 | F026B3CB012 | 54 | F026B3FD012 | 52 | F026B4BA012 | 53 | F026B4EB012 |
| 54 | F026B2HA018 | 53 | F026B3CB018 | 54 | F026B3FD018 | 52 | F026B4BA018 | 53 | F026B4EB018 |
| 54 | F026B2HA030 | 53 | F026B3CB030 | 54 | F026B3FD030 | 52 | F026B4BA030 | 53 | F026B4EB030 |
| 54 | F026B2HA033 | 53 | F026B3CB033 | 54 | F026B3FD033 | 52 | F026B4BA033 | 53 | F026B4EB033 |
| 54 | F026B2HB001 | 53 | F026B3CD001 | 54 | F026B3GA001 | 52 | F026B4BB001 | 53 | F026B4ED001 |
| 54 | F026B2HB006 | 53 | F026B3CD006 | 54 | F026B3GA006 | 52 | F026B4BB006 | 53 | F026B4ED006 |
| 54 | F026B2HB012 | 53 | F026B3CD012 | 54 | F026B3GA012 | 52 | F026B4BB012 | 53 | F026B4ED012 |
| 54 | F026B2HB018 | 53 | F026B3CD018 | 54 | F026B3GA018 | 52 | F026B4BB018 | 53 | F026B4ED018 |
| 54 | F026B2HB030 | 53 | F026B3CD030 | 54 | F026B3GA030 | 52 | F026B4BB030 | 53 | F026B4ED030 |
| 54 | F026B2HB033 | 53 | F026B3CD033 | 54 | F026B3GA033 | 52 | F026B4BB033 | 53 | F026B4ED033 |
| 54 | F026B2HD001 | 53 | F026B3DA001 | 54 | F026B3GB001 | 52 | F026B4BD001 | 54 | F026B4FA001 |
| 54 | F026B2HD006 | 53 | F026B3DA006 | 54 | F026B3GB006 | 52 | F026B4BD006 | 54 | F026B4FA006 |
| 54 | F026B2HD012 | 53 | F026B3DA012 | 54 | F026B3GB012 | 52 | F026B4BD012 | 54 | F026B4FA012 |
| 54 | F026B2HD018 | 53 | F026B3DA018 | 54 | F026B3GB018 | 52 | F026B4BD018 | 54 | F026B4FA018 |
| 54 | F026B2HD030 | 53 | F026B3DA030 | 54 | F026B3GB030 | 52 | F026B4BD030 | 54 | F026B4FA030 |
| 54 | F026B2HD033 | 53 | F026B3DA033 | 54 | F026B3GB033 | 52 | F026B4BD033 | 54 | F026B4FA033 |
| 52 | F026B3AA001 | 53 | F026B3DB001 | 54 | F026B3GD001 | 53 | F026B4CA001 | 54 | F026B4FB001 |
| 52 | F026B3AA006 | 53 | F026B3DB006 | 54 | F026B3GD006 | 53 | F026B4CA006 | 54 | F026B4FB006 |
| 52 | F026B3AA012 | 53 | F026B3DB012 | 54 | F026B3GD012 | 53 | F026B4CA012 | 54 | F026B4FB012 |
| 52 | F026B3AA018 | 53 | F026B3DB018 | 54 | F026B3GD018 | 53 | F026B4CA018 | 54 | F026B4FB018 |
| 52 | F026B3AA030 | 53 | F026B3DB030 | 54 | F026B3GD030 | 53 | F026B4CA030 | 54 | F026B4FB030 |
| 52 | F026B3AA033 | 53 | F026B3DB033 | 54 | F026B3GD033 | 53 | F026B4CA033 | 54 | F026B4FB033 |
| 52 | F026B3AB001 | 53 | F026B3DD001 | 54 | F026B3HA001 | 53 | F026B4CB001 | 54 | F026B4FD001 |
| 52 | F026B3AB006 | 53 | F026B3DD006 | 54 | F026B3HA006 | 53 | F026B4CB006 | 54 | F026B4FD006 |
| 52 | F026B3AB012 | 53 | F026B3DD012 | 54 | F026B3HA012 | 53 | F026B4CB012 | 54 | F026B4FD012 |
| 52 | F026B3AB018 | 53 | F026B3DD018 | 54 | F026B3HA018 | 53 | F026B4CB018 | 54 | F026B4FD018 |
| 52 | F026B3AB030 | 53 | F026B3DD030 | 54 | F026B3HA030 | 53 | F026B4CB030 | 54 | F026B4FD030 |
| 52 | F026B3AB033 | 53 | F026B3DD033 | 54 | F026B3HA033 | 53 | F026B4CB033 | 54 | F026B4FD033 |
| 52 | F026B3AD001 | 53 | F026B3EA001 | 54 | F026B3HB001 | 53 | F026B4CD001 | 54 | F026B4GA001 |
| 52 | F026B3AD006 | 53 | F026B3EA006 | 54 | F026B3HB006 | 53 | F026B4CD006 | 54 | F026B4GA006 |
| 52 | F026B3AD012 | 53 | F026B3EA012 | 54 | F026B3HB012 | 53 | F026B4CD012 | 54 | F026B4GA012 |
| 52 | F026B3AD018 | 53 | F026B3EA018 | 54 | F026B3HB018 | 53 | F026B4CD018 | 54 | F026B4GA018 |
| 52 | F026B3AD030 | 53 | F026B3EA030 | 54 | F026B3HB030 | 53 | F026B4CD030 | 54 | F026B4GA030 |
| 52 | F026B3AD033 | 53 | F026B3EA033 | 54 | F026B3HB033 | 53 | F026B4CD033 | 54 | F026B4GA033 |
| 52 | F026B3BA001 | 53 | F026B3EB001 | 54 | F026B3HD001 | 53 | F026B4DA001 | 54 | F026B4GB001 |
| 52 | F026B3BA006 | 53 | F026B3EB006 | 54 | F026B3HD006 | 53 | F026B4DA006 | 54 | F026B4GB006 |
| 52 | F026B3BA012 | 53 | F026B3EB012 | 54 | F026B3HD012 | 53 | F026B4DA012 | 54 | F026B4GB012 |
| 52 | F026B3BA018 | 53 | F026B3EB018 | 54 | F026B3HD018 | 53 | F026B4DA018 | 54 | F026B4GB018 |
| 52 | F026B3BA030 | 53 | F026B3EB030 | 54 | F026B3HD030 | 53 | F026B4DA030 | 54 | F026B4GB030 |
| 52 | F026B3BA033 | 53 | F026B3EB033 | 54 | F026B3HD033 | 53 | F026B4DA033 | 54 | F026B4GB033 |
| 52 | F026B3BB001 | 53 | F026B3ED001 | 52 | F026B4AA001 | 53 | F026B4DB001 | 54 | F026B4GD001 |
| 52 | F026B3BB006 | 53 | F026B3ED006 | 52 | F026B4AA006 | 53 | F026B4DB006 | 54 | F026B4GD006 |
| 52 | F026B3BB012 | 53 | F026B3ED012 | 52 | F026B4AA012 | 53 | F026B4DB012 | 54 | F026B4GD012 |
| 52 | F026B3BB018 | 53 | F026B3ED018 | 52 | F026B4AA018 | 53 | F026B4DB018 | 54 | F026B4GD018 |
| 52 | F026B3BB030 | 53 | F026B3ED030 | 52 | F026B4AA030 | 53 | F026B4DB030 | 54 | F026B4GD030 |
| 52 | F026B3BB033 | 53 | F026B3ED033 | 52 | F026B4AA033 | 53 | F026B4DB033 | 54 | F026B4GD033 |
| 52 | F026B3BD001 | 54 | F026B3FA001 | 52 | F026B4AB001 | 53 | F026B4DD001 | 54 | F026B4HA001 |
| 52 | F026B3BD006 | 54 | F026B3FA006 | 52 | F026B4AB006 | 53 | F026B4DD006 | 54 | F026B4HA006 |
| 52 | F026B3BD012 | 54 | F026B3FA012 | 52 | F026B4AB012 | 53 | F026B4DD012 | 54 | F026B4HA012 |
| 52 | F026B3BD018 | 54 | F026B3FA018 | 52 | F026B4AB018 | 53 | F026B4DD018 | 54 | F026B4HA018 |
| 52 | F026B3BD030 | 54 | F026B3FA030 | 52 | F026B4AB030 | 53 | F026B4DD030 | 54 | F026B4HA030 |
| 52 | F026B3BD033 | 54 | F026B3FA033 | 52 | F026B4AB033 | 53 | F026B4DD033 | 54 | F026B4HA033 |

| Page | Reference | Page | Reference | Page | Reference | Page | Reference | Page | Reference |
|---|---|---|---|---|---|---|---|---|---|
| 54 | F026B4HB001 | 56 | F026C2DD001 | 57 | F026C2HA001 | 56 | F026C3DB001 | 57 | F026C3GD001 |
| 54 | F026B4HB006 | 56 | F026C2DD006 | 57 | F026C2HA006 | 56 | F026C3DB006 | 57 | F026C3GD006 |
| 54 | F026B4HB012 | 56 | F026C2DD012 | 57 | F026C2HA012 | 56 | F026C3DB012 | 57 | F026C3GD012 |
| 54 | F026B4HB018 | 56 | F026C2DD018 | 57 | F026C2HA018 | 56 | F026C3DB018 | 57 | F026C3GD018 |
| 54 | F026B4HB030 | 56 | F026C2DD030 | 57 | F026C2HA030 | 56 | F026C3DB030 | 57 | F026C3GD030 |
| 54 | F026B4HB033 | 56 | F026C2DD033 | 57 | F026C2HA033 | 56 | F026C3DB033 | 57 | F026C3GD033 |
| 54 | F026B4HD001 | 56 | F026C2EA001 | 57 | F026C2HB001 | 56 | F026C3DD001 | 57 | F026C3HA001 |
| 54 | F026B4HD006 | 56 | F026C2EA006 | 57 | F026C2HB006 | 56 | F026C3DD006 | 57 | F026C3HA006 |
| 54 | F026B4HD012 | 56 | F026C2EA012 | 57 | F026C2HB012 | 56 | F026C3DD012 | 57 | F026C3HA012 |
| 54 | F026B4HD018 | 56 | F026C2EA018 | 57 | F026C2HB018 | 56 | F026C3DD018 | 57 | F026C3HA018 |
| 54 | F026B4HD030 | 56 | F026C2EA030 | 57 | F026C2HB030 | 56 | F026C3DD030 | 57 | F026C3HA030 |
| 54 | F026B4HD033 | 56 | F026C2EA033 | 57 | F026C2HB033 | 56 | F026C3DD033 | 57 | F026C3HA033 |
| 55 | F026C2BA001 | 56 | F026C2EB001 | 57 | F026C2HD001 | 56 | F026C3EA001 | 57 | F026C3HB001 |
| 55 | F026C2BA006 | 56 | F026C2EB006 | 57 | F026C2HD006 | 56 | F026C3EA006 | 57 | F026C3HB006 |
| 55 | F026C2BA012 | 56 | F026C2EB012 | 57 | F026C2HD012 | 56 | F026C3EA012 | 57 | F026C3HB012 |
| 55 | F026C2BA018 | 56 | F026C2EB018 | 57 | F026C2HD018 | 56 | F026C3EA018 | 57 | F026C3HB018 |
| 55 | F026C2BA030 | 56 | F026C2EB030 | 57 | F026C2HD030 | 56 | F026C3EA030 | 57 | F026C3HB030 |
| 55 | F026C2BA033 | 56 | F026C2EB033 | 57 | F026C2HD033 | 56 | F026C3EA033 | 57 | F026C3HB033 |
| 55 | F026C2BB001 | 56 | F026C2ED001 | 55 | F026C3BA001 | 56 | F026C3EB001 | 57 | F026C3HD001 |
| 55 | F026C2BB006 | 56 | F026C2ED006 | 55 | F026C3BA006 | 56 | F026C3EB006 | 57 | F026C3HD006 |
| 55 | F026C2BB012 | 56 | F026C2ED012 | 55 | F026C3BA012 | 56 | F026C3EB012 | 57 | F026C3HD012 |
| 55 | F026C2BB018 | 56 | F026C2ED018 | 55 | F026C3BA018 | 56 | F026C3EB018 | 57 | F026C3HD018 |
| 55 | F026C2BB030 | 56 | F026C2ED030 | 55 | F026C3BA030 | 56 | F026C3EB030 | 57 | F026C3HD030 |
| 55 | F026C2BB033 | 56 | F026C2ED033 | 55 | F026C3BA033 | 56 | F026C3EB033 | 57 | F026C3HD033 |
| 55 | F026C2BD001 | 56 | F026C2FA001 | 55 | F026C3BB001 | 56 | F026C3ED001 | 55 | F026C4BA001 |
| 55 | F026C2BD006 | 56 | F026C2FA006 | 55 | F026C3BB006 | 56 | F026C3ED006 | 55 | F026C4BA006 |
| 55 | F026C2BD012 | 56 | F026C2FA012 | 55 | F026C3BB012 | 56 | F026C3ED012 | 55 | F026C4BA012 |
| 55 | F026C2BD018 | 56 | F026C2FA018 | 55 | F026C3BB018 | 56 | F026C3ED018 | 55 | F026C4BA018 |
| 55 | F026C2BD030 | 56 | F026C2FA030 | 55 | F026C3BB030 | 56 | F026C3ED030 | 55 | F026C4BA030 |
| 55 | F026C2BD033 | 56 | F026C2FA033 | 55 | F026C3BB033 | 56 | F026C3ED033 | 55 | F026C4BA033 |
| 55 | F026C2CA001 | 56 | F026C2FB001 | 55 | F026C3BD001 | 56 | F026C3FA001 | 55 | F026C4BB001 |
| 55 | F026C2CA006 | 56 | F026C2FB006 | 55 | F026C3BD006 | 56 | F026C3FA006 | 55 | F026C4BB006 |
| 55 | F026C2CA012 | 56 | F026C2FB012 | 55 | F026C3BD012 | 56 | F026C3FA012 | 55 | F026C4BB012 |
| 55 | F026C2CA018 | 56 | F026C2FB018 | 55 | F026C3BD018 | 56 | F026C3FA018 | 55 | F026C4BB018 |
| 55 | F026C2CA030 | 56 | F026C2FB030 | 55 | F026C3BD030 | 56 | F026C3FA030 | 55 | F026C4BB030 |
| 55 | F026C2CA033 | 56 | F026C2FB033 | 55 | F026C3BD033 | 56 | F026C3FA033 | 55 | F026C4BB033 |
| 55 | F026C2CB001 | 56 | F026C2FD001 | 55 | F026C3CA001 | 56 | F026C3FB001 | 55 | F026C4BD001 |
| 55 | F026C2CB006 | 56 | F026C2FD006 | 55 | F026C3CA006 | 56 | F026C3FB006 | 55 | F026C4BD006 |
| 55 | F026C2CB012 | 56 | F026C2FD012 | 55 | F026C3CA012 | 56 | F026C3FB012 | 55 | F026C4BD012 |
| 55 | F026C2CB018 | 56 | F026C2FD018 | 55 | F026C3CA018 | 56 | F026C3FB018 | 55 | F026C4BD018 |
| 55 | F026C2CB030 | 56 | F026C2FD030 | 55 | F026C3CA030 | 56 | F026C3FB030 | 55 | F026C4BD030 |
| 55 | F026C2CB033 | 56 | F026C2FD033 | 55 | F026C3CA033 | 56 | F026C3FB033 | 55 | F026C4BD033 |
| 55 | F026C2CD001 | 57 | F026C2GA001 | 55 | F026C3CB001 | 56 | F026C3FD001 | 55 | F026C4CA001 |
| 55 | F026C2CD006 | 57 | F026C2GA006 | 55 | F026C3CB006 | 56 | F026C3FD006 | 55 | F026C4CA006 |
| 55 | F026C2CD012 | 57 | F026C2GA012 | 55 | F026C3CB012 | 56 | F026C3FD012 | 55 | F026C4CA012 |
| 55 | F026C2CD018 | 57 | F026C2GA018 | 55 | F026C3CB018 | 56 | F026C3FD018 | 55 | F026C4CA018 |
| 55 | F026C2CD030 | 57 | F026C2GA030 | 55 | F026C3CB030 | 56 | F026C3FD030 | 55 | F026C4CA030 |
| 55 | F026C2CD033 | 57 | F026C2GA033 | 55 | F026C3CB033 | 56 | F026C3FD033 | 55 | F026C4CA033 |
| 56 | F026C2DA001 | 57 | F026C2GB001 | 55 | F026C3CD001 | 57 | F026C3GA001 | 55 | F026C4CB001 |
| 56 | F026C2DA006 | 57 | F026C2GB006 | 55 | F026C3CD006 | 57 | F026C3GA006 | 55 | F026C4CB006 |
| 56 | F026C2DA012 | 57 | F026C2GB012 | 55 | F026C3CD012 | 57 | F026C3GA012 | 55 | F026C4CB012 |
| 56 | F026C2DA018 | 57 | F026C2GB018 | 55 | F026C3CD018 | 57 | F026C3GA018 | 55 | F026C4CB018 |
| 56 | F026C2DA030 | 57 | F026C2GB030 | 55 | F026C3CD030 | 57 | F026C3GA030 | 55 | F026C4CB030 |
| 56 | F026C2DA033 | 57 | F026C2GB033 | 55 | F026C3CD033 | 57 | F026C3GA033 | 55 | F026C4CB033 |
| 56 | F026C2DB001 | 57 | F026C2GD001 | 56 | F026C3DA001 | 57 | F026C3GB001 | 55 | F026C4CD001 |
| 56 | F026C2DB006 | 57 | F026C2GD006 | 56 | F026C3DA006 | 57 | F026C3GB006 | 55 | F026C4CD006 |
| 56 | F026C2DB012 | 57 | F026C2GD012 | 56 | F026C3DA012 | 57 | F026C3GB012 | 55 | F026C4CD012 |
| 56 | F026C2DB018 | 57 | F026C2GD018 | 56 | F026C3DA018 | 57 | F026C3GB018 | 55 | F026C4CD018 |
| 56 | F026C2DB030 | 57 | F026C2GD030 | 56 | F026C3DA030 | 57 | F026C3GB030 | 55 | F026C4CD030 |
| 56 | F026C2DB033 | 57 | F026C2GD033 | 56 | F026C3DA033 | 57 | F026C3GB033 | 55 | F026C4CD033 |

| Page | Reference | Page | Reference | Page | Reference | Page | Reference | Page | Reference |
|---|---|---|---|---|---|---|---|---|---|
| 56 | F026C4DA001 | 57 | F026C4GB001 | 42 | F026D2BD001 | 44 | F026D2FA001 | 42 | F026D3AB001 |
| 56 | F026C4DA006 | 57 | F026C4GB006 | 42 | F026D2BD006 | 44 | F026D2FA006 | 42 | F026D3AB006 |
| 56 | F026C4DA012 | 57 | F026C4GB012 | 42 | F026D2BD012 | 44 | F026D2FA012 | 42 | F026D3AB012 |
| 56 | F026C4DA018 | 57 | F026C4GB018 | 42 | F026D2BD018 | 44 | F026D2FA018 | 42 | F026D3AB018 |
| 56 | F026C4DA030 | 57 | F026C4GB030 | 42 | F026D2BD030 | 44 | F026D2FA030 | 42 | F026D3AB030 |
| 56 | F026C4DA033 | 57 | F026C4GB033 | 42 | F026D2BD033 | 44 | F026D2FA033 | 42 | F026D3AB033 |
| 56 | F026C4DB001 | 57 | F026C4GD001 | 43 | F026D2CA001 | 44 | F026D2FB001 | 42 | F026D3AD001 |
| 56 | F026C4DB006 | 57 | F026C4GD006 | 43 | F026D2CA006 | 44 | F026D2FB006 | 42 | F026D3AD006 |
| 56 | F026C4DB012 | 57 | F026C4GD012 | 43 | F026D2CA012 | 44 | F026D2FB012 | 42 | F026D3AD012 |
| 56 | F026C4DB018 | 57 | F026C4GD018 | 43 | F026D2CA018 | 44 | F026D2FB018 | 42 | F026D3AD018 |
| 56 | F026C4DB030 | 57 | F026C4GD030 | 43 | F026D2CA030 | 44 | F026D2FB030 | 42 | F026D3AD030 |
| 56 | F026C4DB033 | 57 | F026C4GD033 | 43 | F026D2CA033 | 44 | F026D2FB033 | 42 | F026D3AD033 |
| 56 | F026C4DD001 | 57 | F026C4HA001 | 43 | F026D2CB001 | 44 | F026D2FD001 | 42 | F026D3BA001 |
| 56 | F026C4DD006 | 57 | F026C4HA006 | 43 | F026D2CB006 | 44 | F026D2FD006 | 42 | F026D3BA006 |
| 56 | F026C4DD012 | 57 | F026C4HA012 | 43 | F026D2CB012 | 44 | F026D2FD012 | 42 | F026D3BA012 |
| 56 | F026C4DD018 | 57 | F026C4HA018 | 43 | F026D2CB018 | 44 | F026D2FD018 | 42 | F026D3BA018 |
| 56 | F026C4DD030 | 57 | F026C4HA030 | 43 | F026D2CB030 | 44 | F026D2FD030 | 42 | F026D3BA030 |
| 56 | F026C4DD033 | 57 | F026C4HA033 | 43 | F026D2CB033 | 44 | F026D2FD033 | 42 | F026D3BA033 |
| 56 | F026C4EA001 | 57 | F026C4HB001 | 43 | F026D2CD001 | 44 | F026D2GA001 | 42 | F026D3BB001 |
| 56 | F026C4EA006 | 57 | F026C4HB006 | 43 | F026D2CD006 | 44 | F026D2GA006 | 42 | F026D3BB006 |
| 56 | F026C4EA012 | 57 | F026C4HB012 | 43 | F026D2CD012 | 44 | F026D2GA012 | 42 | F026D3BB012 |
| 56 | F026C4EA018 | 57 | F026C4HB018 | 43 | F026D2CD018 | 44 | F026D2GA018 | 42 | F026D3BB018 |
| 56 | F026C4EA030 | 57 | F026C4HB030 | 43 | F026D2CD030 | 44 | F026D2GA030 | 42 | F026D3BB030 |
| 56 | F026C4EA033 | 57 | F026C4HB033 | 43 | F026D2CD033 | 44 | F026D2GA033 | 42 | F026D3BB033 |
| 56 | F026C4EB001 | 57 | F026C4HD001 | 43 | F026D2DA001 | 44 | F026D2GB001 | 42 | F026D3BD001 |
| 56 | F026C4EB006 | 57 | F026C4HD006 | 43 | F026D2DA006 | 44 | F026D2GB006 | 42 | F026D3BD006 |
| 56 | F026C4EB012 | 57 | F026C4HD012 | 43 | F026D2DA012 | 44 | F026D2GB012 | 42 | F026D3BD012 |
| 56 | F026C4EB018 | 57 | F026C4HD018 | 43 | F026D2DA018 | 44 | F026D2GB018 | 42 | F026D3BD018 |
| 56 | F026C4EB030 | 57 | F026C4HD030 | 43 | F026D2DA030 | 44 | F026D2GB030 | 42 | F026D3BD030 |
| 56 | F026C4EB033 | 57 | F026C4HD033 | 43 | F026D2DA033 | 44 | F026D2GB033 | 42 | F026D3BD033 |
| 56 | F026C4ED001 | 42 | F026D2AA001 | 43 | F026D2DB001 | 44 | F026D2GD001 | 43 | F026D3CA001 |
| 56 | F026C4ED006 | 42 | F026D2AA006 | 43 | F026D2DB006 | 44 | F026D2GD006 | 43 | F026D3CA006 |
| 56 | F026C4ED012 | 42 | F026D2AA012 | 43 | F026D2DB012 | 44 | F026D2GD012 | 43 | F026D3CA012 |
| 56 | F026C4ED018 | 42 | F026D2AA018 | 43 | F026D2DB018 | 44 | F026D2GD018 | 43 | F026D3CA018 |
| 56 | F026C4ED030 | 42 | F026D2AA030 | 43 | F026D2DB030 | 44 | F026D2GD030 | 43 | F026D3CA030 |
| 56 | F026C4ED033 | 42 | F026D2AA033 | 43 | F026D2DB033 | 44 | F026D2GD033 | 43 | F026D3CA033 |
| 56 | F026C4FA001 | 42 | F026D2AB001 | 43 | F026D2DD001 | 44 | F026D2HA001 | 43 | F026D3CB001 |
| 56 | F026C4FA006 | 42 | F026D2AB006 | 43 | F026D2DD006 | 44 | F026D2HA006 | 43 | F026D3CB006 |
| 56 | F026C4FA012 | 42 | F026D2AB012 | 43 | F026D2DD012 | 44 | F026D2HA012 | 43 | F026D3CB012 |
| 56 | F026C4FA018 | 42 | F026D2AB018 | 43 | F026D2DD018 | 44 | F026D2HA018 | 43 | F026D3CB018 |
| 56 | F026C4FA030 | 42 | F026D2AB030 | 43 | F026D2DD030 | 44 | F026D2HA030 | 43 | F026D3CB030 |
| 56 | F026C4FA033 | 42 | F026D2AB033 | 43 | F026D2DD033 | 44 | F026D2HA033 | 43 | F026D3CB033 |
| 56 | F026C4FB001 | 42 | F026D2AD001 | 43 | F026D2EA001 | 44 | F026D2HB001 | 43 | F026D3CD001 |
| 56 | F026C4FB006 | 42 | F026D2AD006 | 43 | F026D2EA006 | 44 | F026D2HB006 | 43 | F026D3CD006 |
| 56 | F026C4FB012 | 42 | F026D2AD012 | 43 | F026D2EA012 | 44 | F026D2HB012 | 43 | F026D3CD012 |
| 56 | F026C4FB018 | 42 | F026D2AD018 | 43 | F026D2EA018 | 44 | F026D2HB018 | 43 | F026D3CD018 |
| 56 | F026C4FB030 | 42 | F026D2AD030 | 43 | F026D2EA030 | 44 | F026D2HB030 | 43 | F026D3CD030 |
| 56 | F026C4FB033 | 42 | F026D2AD033 | 43 | F026D2EA033 | 44 | F026D2HB033 | 43 | F026D3CD033 |
| 56 | F026C4FD001 | 42 | F026D2BA001 | 43 | F026D2EB001 | 44 | F026D2HD001 | 43 | F026D3DA001 |
| 56 | F026C4FD006 | 42 | F026D2BA006 | 43 | F026D2EB006 | 44 | F026D2HD006 | 43 | F026D3DA006 |
| 56 | F026C4FD012 | 42 | F026D2BA012 | 43 | F026D2EB012 | 44 | F026D2HD012 | 43 | F026D3DA012 |
| 56 | F026C4FD018 | 42 | F026D2BA018 | 43 | F026D2EB018 | 44 | F026D2HD018 | 43 | F026D3DA018 |
| 56 | F026C4FD030 | 42 | F026D2BA030 | 43 | F026D2EB030 | 44 | F026D2HD030 | 43 | F026D3DA030 |
| 56 | F026C4FD033 | 42 | F026D2BA033 | 43 | F026D2EB033 | 44 | F026D2HD033 | 43 | F026D3DA033 |
| 57 | F026C4GA001 | 42 | F026D2BB001 | 43 | F026D2ED001 | 42 | F026D3AA001 | 43 | F026D3DB001 |
| 57 | F026C4GA006 | 42 | F026D2BB006 | 43 | F026D2ED006 | 42 | F026D3AA006 | 43 | F026D3DB006 |
| 57 | F026C4GA012 | 42 | F026D2BB012 | 43 | F026D2ED012 | 42 | F026D3AA012 | 43 | F026D3DB012 |
| 57 | F026C4GA018 | 42 | F026D2BB018 | 43 | F026D2ED018 | 42 | F026D3AA018 | 43 | F026D3DB018 |
| 57 | F026C4GA030 | 42 | F026D2BB030 | 43 | F026D2ED030 | 42 | F026D3AA030 | 43 | F026D3DB030 |
| 57 | F026C4GA033 | 42 | F026D2BB033 | 43 | F026D2ED033 | 42 | F026D3AA033 | 43 | F026D3DB033 |

| Page | Reference | Page | Reference | Page | Reference | Page | Reference | Page | Reference |
|---|---|---|---|---|---|---|---|---|---|
| 43 | F026D3DD001 | 44 | F026D3HA001 | 43 | F026D4CB001 | 44 | F026D4FD001 | 45 | F026E2CA001 |
| 43 | F026D3DD006 | 44 | F026D3HA006 | 43 | F026D4CB006 | 44 | F026D4FD006 | 45 | F026E2CA006 |
| 43 | F026D3DD012 | 44 | F026D3HA012 | 43 | F026D4CB012 | 44 | F026D4FD012 | 45 | F026E2CA012 |
| 43 | F026D3DD018 | 44 | F026D3HA018 | 43 | F026D4CB018 | 44 | F026D4FD018 | 45 | F026E2CA018 |
| 43 | F026D3DD030 | 44 | F026D3HA030 | 43 | F026D4CB030 | 44 | F026D4FD030 | 45 | F026E2CA030 |
| 43 | F026D3DD033 | 44 | F026D3HA033 | 43 | F026D4CB033 | 44 | F026D4FD033 | 45 | F026E2CA033 |
| 43 | F026D3EA001 | 44 | F026D3HB001 | 43 | F026D4CD001 | 44 | F026D4GA001 | 45 | F026E2CB001 |
| 43 | F026D3EA006 | 44 | F026D3HB006 | 43 | F026D4CD006 | 44 | F026D4GA006 | 45 | F026E2CB006 |
| 43 | F026D3EA012 | 44 | F026D3HB012 | 43 | F026D4CD012 | 44 | F026D4GA012 | 45 | F026E2CB012 |
| 43 | F026D3EA018 | 44 | F026D3HB018 | 43 | F026D4CD018 | 44 | F026D4GA018 | 45 | F026E2CB018 |
| 43 | F026D3EA030 | 44 | F026D3HB030 | 43 | F026D4CD030 | 44 | F026D4GA030 | 45 | F026E2CB030 |
| 43 | F026D3EA033 | 44 | F026D3HB033 | 43 | F026D4CD033 | 44 | F026D4GA033 | 45 | F026E2CB033 |
| 43 | F026D3EB001 | 44 | F026D3HD001 | 43 | F026D4DA001 | 44 | F026D4GB001 | 45 | F026E2CD001 |
| 43 | F026D3EB006 | 44 | F026D3HD006 | 43 | F026D4DA006 | 44 | F026D4GB006 | 45 | F026E2CD006 |
| 43 | F026D3EB012 | 44 | F026D3HD012 | 43 | F026D4DA012 | 44 | F026D4GB012 | 45 | F026E2CD012 |
| 43 | F026D3EB018 | 44 | F026D3HD018 | 43 | F026D4DA018 | 44 | F026D4GB018 | 45 | F026E2CD018 |
| 43 | F026D3EB030 | 44 | F026D3HD030 | 43 | F026D4DA030 | 44 | F026D4GB030 | 45 | F026E2CD030 |
| 43 | F026D3EB033 | 44 | F026D3HD033 | 43 | F026D4DA033 | 44 | F026D4GB033 | 45 | F026E2CD033 |
| 43 | F026D3ED001 | 42 | F026D4AA001 | 43 | F026D4DB001 | 44 | F026D4GD001 | 46 | F026E2DA001 |
| 43 | F026D3ED006 | 42 | F026D4AA006 | 43 | F026D4DB006 | 44 | F026D4GD006 | 46 | F026E2DA006 |
| 43 | F026D3ED012 | 42 | F026D4AA012 | 43 | F026D4DB012 | 44 | F026D4GD012 | 46 | F026E2DA012 |
| 43 | F026D3ED018 | 42 | F026D4AA018 | 43 | F026D4DB018 | 44 | F026D4GD018 | 46 | F026E2DA018 |
| 43 | F026D3ED030 | 42 | F026D4AA030 | 43 | F026D4DB030 | 44 | F026D4GD030 | 46 | F026E2DA030 |
| 43 | F026D3ED033 | 42 | F026D4AA033 | 43 | F026D4DB033 | 44 | F026D4GD033 | 46 | F026E2DA033 |
| 44 | F026D3FA001 | 42 | F026D4AB001 | 43 | F026D4DD001 | 44 | F026D4HA001 | 46 | F026E2DB001 |
| 44 | F026D3FA006 | 42 | F026D4AB006 | 43 | F026D4DD006 | 44 | F026D4HA006 | 46 | F026E2DB006 |
| 44 | F026D3FA012 | 42 | F026D4AB012 | 43 | F026D4DD012 | 44 | F026D4HA012 | 46 | F026E2DB012 |
| 44 | F026D3FA018 | 42 | F026D4AB018 | 43 | F026D4DD018 | 44 | F026D4HA018 | 46 | F026E2DB018 |
| 44 | F026D3FA030 | 42 | F026D4AB030 | 43 | F026D4DD030 | 44 | F026D4HA030 | 46 | F026E2DB030 |
| 44 | F026D3FA033 | 42 | F026D4AB033 | 43 | F026D4DD033 | 44 | F026D4HA033 | 46 | F026E2DB033 |
| 44 | F026D3FB001 | 42 | F026D4AD001 | 43 | F026D4EA001 | 44 | F026D4HB001 | 46 | F026E2DD001 |
| 44 | F026D3FB006 | 42 | F026D4AD006 | 43 | F026D4EA006 | 44 | F026D4HB006 | 46 | F026E2DD006 |
| 44 | F026D3FB012 | 42 | F026D4AD012 | 43 | F026D4EA012 | 44 | F026D4HB012 | 46 | F026E2DD012 |
| 44 | F026D3FB018 | 42 | F026D4AD018 | 43 | F026D4EA018 | 44 | F026D4HB018 | 46 | F026E2DD018 |
| 44 | F026D3FB030 | 42 | F026D4AD030 | 43 | F026D4EA030 | 44 | F026D4HB030 | 46 | F026E2DD030 |
| 44 | F026D3FB033 | 42 | F026D4AD033 | 43 | F026D4EA033 | 44 | F026D4HB033 | 46 | F026E2DD033 |
| 44 | F026D3FD001 | 42 | F026D4BA001 | 43 | F026D4EB001 | 44 | F026D4HD001 | 46 | F026E2EA001 |
| 44 | F026D3FD006 | 42 | F026D4BA006 | 43 | F026D4EB006 | 44 | F026D4HD006 | 46 | F026E2EA006 |
| 44 | F026D3FD012 | 42 | F026D4BA012 | 43 | F026D4EB012 | 44 | F026D4HD012 | 46 | F026E2EA012 |
| 44 | F026D3FD018 | 42 | F026D4BA018 | 43 | F026D4EB018 | 44 | F026D4HD018 | 46 | F026E2EA018 |
| 44 | F026D3FD030 | 42 | F026D4BA030 | 43 | F026D4EB030 | 44 | F026D4HD030 | 46 | F026E2EA030 |
| 44 | F026D3FD033 | 42 | F026D4BA033 | 43 | F026D4EB033 | 44 | F026D4HD033 | 46 | F026E2EA033 |
| 44 | F026D3GA001 | 42 | F026D4BB001 | 43 | F026D4ED001 | 45 | F026E2BA001 | 46 | F026E2EB001 |
| 44 | F026D3GA006 | 42 | F026D4BB006 | 43 | F026D4ED006 | 45 | F026E2BA006 | 46 | F026E2EB006 |
| 44 | F026D3GA012 | 42 | F026D4BB012 | 43 | F026D4ED012 | 45 | F026E2BA012 | 46 | F026E2EB012 |
| 44 | F026D3GA018 | 42 | F026D4BB018 | 43 | F026D4ED018 | 45 | F026E2BA018 | 46 | F026E2EB018 |
| 44 | F026D3GA030 | 42 | F026D4BB030 | 43 | F026D4ED030 | 45 | F026E2BA030 | 46 | F026E2EB030 |
| 44 | F026D3GA033 | 42 | F026D4BB033 | 43 | F026D4ED033 | 45 | F026E2BA033 | 46 | F026E2EB033 |
| 44 | F026D3GB001 | 42 | F026D4BD001 | 44 | F026D4FA001 | 45 | F026E2BB001 | 46 | F026E2ED001 |
| 44 | F026D3GB006 | 42 | F026D4BD006 | 44 | F026D4FA006 | 45 | F026E2BB006 | 46 | F026E2ED006 |
| 44 | F026D3GB012 | 42 | F026D4BD012 | 44 | F026D4FA012 | 45 | F026E2BB012 | 46 | F026E2ED012 |
| 44 | F026D3GB018 | 42 | F026D4BD018 | 44 | F026D4FA018 | 45 | F026E2BB018 | 46 | F026E2ED018 |
| 44 | F026D3GB030 | 42 | F026D4BD030 | 44 | F026D4FA030 | 45 | F026E2BB030 | 46 | F026E2ED030 |
| 44 | F026D3GB033 | 42 | F026D4BD033 | 44 | F026D4FA033 | 45 | F026E2BB033 | 46 | F026E2ED033 |
| 44 | F026D3GD001 | 43 | F026D4CA001 | 44 | F026D4FB001 | 45 | F026E2BD001 | 46 | F026E2FA001 |
| 44 | F026D3GD006 | 43 | F026D4CA006 | 44 | F026D4FB006 | 45 | F026E2BD006 | 46 | F026E2FA006 |
| 44 | F026D3GD012 | 43 | F026D4CA012 | 44 | F026D4FB012 | 45 | F026E2BD012 | 46 | F026E2FA012 |
| 44 | F026D3GD018 | 43 | F026D4CA018 | 44 | F026D4FB018 | 45 | F026E2BD018 | 46 | F026E2FA018 |
| 44 | F026D3GD030 | 43 | F026D4CA030 | 44 | F026D4FB030 | 45 | F026E2BD030 | 46 | F026E2FA030 |
| 44 | F026D3GD033 | 43 | F026D4CA033 | 44 | F026D4FB033 | 45 | F026E2BD033 | 46 | F026E2FA033 |

| Page | Reference | Page | Reference | Page | Reference | Page | Reference | Page | Reference |
|---|---|---|---|---|---|---|---|---|---|
| 46 | F026E2FB001 | 45 | F026E3BD001 | 46 | F026E3FA001 | 45 | F026E4BB001 | 46 | F026E4ED001 |
| 46 | F026E2FB006 | 45 | F026E3BD006 | 46 | F026E3FA006 | 45 | F026E4BB006 | 46 | F026E4ED006 |
| 46 | F026E2FB012 | 45 | F026E3BD012 | 46 | F026E3FA012 | 45 | F026E4BB012 | 46 | F026E4ED012 |
| 46 | F026E2FB018 | 45 | F026E3BD018 | 46 | F026E3FA018 | 45 | F026E4BB018 | 46 | F026E4ED018 |
| 46 | F026E2FB030 | 45 | F026E3BD030 | 46 | F026E3FA030 | 45 | F026E4BB030 | 46 | F026E4ED030 |
| 46 | F026E2FB033 | 45 | F026E3BD033 | 46 | F026E3FA033 | 45 | F026E4BB033 | 46 | F026E4ED033 |
| 46 | F026E2FD001 | 45 | F026E3CA001 | 46 | F026E3FB001 | 45 | F026E4BD001 | 46 | F026E4FA001 |
| 46 | F026E2FD006 | 45 | F026E3CA006 | 46 | F026E3FB006 | 45 | F026E4BD006 | 46 | F026E4FA006 |
| 46 | F026E2FD012 | 45 | F026E3CA012 | 46 | F026E3FB012 | 45 | F026E4BD012 | 46 | F026E4FA012 |
| 46 | F026E2FD018 | 45 | F026E3CA018 | 46 | F026E3FB018 | 45 | F026E4BD018 | 46 | F026E4FA018 |
| 46 | F026E2FD030 | 45 | F026E3CA030 | 46 | F026E3FB030 | 45 | F026E4BD030 | 46 | F026E4FA030 |
| 46 | F026E2FD033 | 45 | F026E3CA033 | 46 | F026E3FB033 | 45 | F026E4BD033 | 46 | F026E4FA033 |
| 47 | F026E2GA001 | 45 | F026E3CB001 | 46 | F026E3FD001 | 45 | F026E4CA001 | 46 | F026E4FB001 |
| 47 | F026E2GA006 | 45 | F026E3CB006 | 46 | F026E3FD006 | 45 | F026E4CA006 | 46 | F026E4FB006 |
| 47 | F026E2GA012 | 45 | F026E3CB012 | 46 | F026E3FD012 | 45 | F026E4CA012 | 46 | F026E4FB012 |
| 47 | F026E2GA018 | 45 | F026E3CB018 | 46 | F026E3FD018 | 45 | F026E4CA018 | 46 | F026E4FB018 |
| 47 | F026E2GA030 | 45 | F026E3CB030 | 46 | F026E3FD030 | 45 | F026E4CA030 | 46 | F026E4FB030 |
| 47 | F026E2GA033 | 45 | F026E3CB033 | 46 | F026E3FD033 | 45 | F026E4CA033 | 46 | F026E4FB033 |
| 47 | F026E2GB001 | 45 | F026E3CD001 | 47 | F026E3GA001 | 45 | F026E4CB001 | 46 | F026E4FD001 |
| 47 | F026E2GB006 | 45 | F026E3CD006 | 47 | F026E3GA006 | 45 | F026E4CB006 | 46 | F026E4FD006 |
| 47 | F026E2GB012 | 45 | F026E3CD012 | 47 | F026E3GA012 | 45 | F026E4CB012 | 46 | F026E4FD012 |
| 47 | F026E2GB018 | 45 | F026E3CD018 | 47 | F026E3GA018 | 45 | F026E4CB018 | 46 | F026E4FD018 |
| 47 | F026E2GB030 | 45 | F026E3CD030 | 47 | F026E3GA030 | 45 | F026E4CB030 | 46 | F026E4FD030 |
| 47 | F026E2GB033 | 45 | F026E3CD033 | 47 | F026E3GA033 | 45 | F026E4CB033 | 46 | F026E4FD033 |
| 47 | F026E2GD001 | 46 | F026E3DA001 | 47 | F026E3GB001 | 45 | F026E4CD001 | 47 | F026E4GA001 |
| 47 | F026E2GD006 | 46 | F026E3DA006 | 47 | F026E3GB006 | 45 | F026E4CD006 | 47 | F026E4GA006 |
| 47 | F026E2GD012 | 46 | F026E3DA012 | 47 | F026E3GB012 | 45 | F026E4CD012 | 47 | F026E4GA012 |
| 47 | F026E2GD018 | 46 | F026E3DA018 | 47 | F026E3GB018 | 45 | F026E4CD018 | 47 | F026E4GA018 |
| 47 | F026E2GD030 | 46 | F026E3DA030 | 47 | F026E3GB030 | 45 | F026E4CD030 | 47 | F026E4GA030 |
| 47 | F026E2GD033 | 46 | F026E3DA033 | 47 | F026E3GB033 | 45 | F026E4CD033 | 47 | F026E4GA033 |
| 47 | F026E2HA001 | 46 | F026E3DB001 | 47 | F026E3GD001 | 46 | F026E4DA001 | 47 | F026E4GB001 |
| 47 | F026E2HA006 | 46 | F026E3DB006 | 47 | F026E3GD006 | 46 | F026E4DA006 | 47 | F026E4GB006 |
| 47 | F026E2HA012 | 46 | F026E3DB012 | 47 | F026E3GD012 | 46 | F026E4DA012 | 47 | F026E4GB012 |
| 47 | F026E2HA018 | 46 | F026E3DB018 | 47 | F026E3GD018 | 46 | F026E4DA018 | 47 | F026E4GB018 |
| 47 | F026E2HA030 | 46 | F026E3DB030 | 47 | F026E3GD030 | 46 | F026E4DA030 | 47 | F026E4GB030 |
| 47 | F026E2HA033 | 46 | F026E3DB033 | 47 | F026E3GD033 | 46 | F026E4DA033 | 47 | F026E4GB033 |
| 47 | F026E2HB001 | 46 | F026E3DD001 | 47 | F026E3HA001 | 46 | F026E4DB001 | 47 | F026E4GD001 |
| 47 | F026E2HB006 | 46 | F026E3DD006 | 47 | F026E3HA006 | 46 | F026E4DB006 | 47 | F026E4GD006 |
| 47 | F026E2HB012 | 46 | F026E3DD012 | 47 | F026E3HA012 | 46 | F026E4DB012 | 47 | F026E4GD012 |
| 47 | F026E2HB018 | 46 | F026E3DD018 | 47 | F026E3HA018 | 46 | F026E4DB018 | 47 | F026E4GD018 |
| 47 | F026E2HB030 | 46 | F026E3DD030 | 47 | F026E3HA030 | 46 | F026E4DB030 | 47 | F026E4GD030 |
| 47 | F026E2HB033 | 46 | F026E3DD033 | 47 | F026E3HA033 | 46 | F026E4DB033 | 47 | F026E4GD033 |
| 47 | F026E2HD001 | 46 | F026E3EA001 | 47 | F026E3HB001 | 46 | F026E4DD001 | 47 | F026E4HA001 |
| 47 | F026E2HD006 | 46 | F026E3EA006 | 47 | F026E3HB006 | 46 | F026E4DD006 | 47 | F026E4HA006 |
| 47 | F026E2HD012 | 46 | F026E3EA012 | 47 | F026E3HB012 | 46 | F026E4DD012 | 47 | F026E4HA012 |
| 47 | F026E2HD018 | 46 | F026E3EA018 | 47 | F026E3HB018 | 46 | F026E4DD018 | 47 | F026E4HA018 |
| 47 | F026E2HD030 | 46 | F026E3EA030 | 47 | F026E3HB030 | 46 | F026E4DD030 | 47 | F026E4HA030 |
| 47 | F026E2HD033 | 46 | F026E3EA033 | 47 | F026E3HB033 | 46 | F026E4DD033 | 47 | F026E4HA033 |
| 45 | F026E3BA001 | 46 | F026E3EB001 | 47 | F026E3HD001 | 46 | F026E4EA001 | 47 | F026E4HB001 |
| 45 | F026E3BA006 | 46 | F026E3EB006 | 47 | F026E3HD006 | 46 | F026E4EA006 | 47 | F026E4HB006 |
| 45 | F026E3BA012 | 46 | F026E3EB012 | 47 | F026E3HD012 | 46 | F026E4EA012 | 47 | F026E4HB012 |
| 45 | F026E3BA018 | 46 | F026E3EB018 | 47 | F026E3HD018 | 46 | F026E4EA018 | 47 | F026E4HB018 |
| 45 | F026E3BA030 | 46 | F026E3EB030 | 47 | F026E3HD030 | 46 | F026E4EA030 | 47 | F026E4HB030 |
| 45 | F026E3BA033 | 46 | F026E3EB033 | 47 | F026E3HD033 | 46 | F026E4EA033 | 47 | F026E4HB033 |
| 45 | F026E3BB001 | 46 | F026E3ED001 | 45 | F026E4BA001 | 46 | F026E4EB001 | 47 | F026E4HD001 |
| 45 | F026E3BB006 | 46 | F026E3ED006 | 45 | F026E4BA006 | 46 | F026E4EB006 | 47 | F026E4HD006 |
| 45 | F026E3BB012 | 46 | F026E3ED012 | 45 | F026E4BA012 | 46 | F026E4EB012 | 47 | F026E4HD012 |
| 45 | F026E3BB018 | 46 | F026E3ED018 | 45 | F026E4BA018 | 46 | F026E4EB018 | 47 | F026E4HD018 |
| 45 | F026E3BB030 | 46 | F026E3ED030 | 45 | F026E4BA030 | 46 | F026E4EB030 | 47 | F026E4HD030 |
| 45 | F026E3BB033 | 46 | F026E3ED033 | 45 | F026E4BA033 | 46 | F026E4EB033 | 47 | F026E4HD033 |

| Page | Reference | Page | Reference | Page | Reference | Page | Reference | Page | Reference |
|---|---|---|---|---|---|---|---|---|---|
| 67 | F026F2BA001.A | 67 | F026F3CB001.A | 86 | F026G2AD001 | 87 | F026G2EA001 | 88 | F026G2HB001 |
| 67 | F026F2BA006.A | 67 | F026F3CB006.A | 86 | F026G2AD006 | 87 | F026G2EA006 | 88 | F026G2HB006 |
| 67 | F026F2BA012.A | 67 | F026F3CB012.A | 86 | F026G2AD012 | 87 | F026G2EA012 | 88 | F026G2HB012 |
| 67 | F026F2BA018.A | 67 | F026F3CB018.A | 86 | F026G2AD018 | 87 | F026G2EA018 | 88 | F026G2HB018 |
| 67 | F026F2BA030.A | 67 | F026F3CB030.A | 86 | F026G2AD030 | 87 | F026G2EA030 | 88 | F026G2HB030 |
| 67 | F026F2BA033.A | 67 | F026F3CB033.A | 86 | F026G2AD033 | 87 | F026G2EA033 | 88 | F026G2HB033 |
| 67 | F026F2BB001.A | 67 | F026F3CD001.A | 86 | F026G2BA001 | 87 | F026G2EB001 | 88 | F026G2HD001 |
| 67 | F026F2BB006.A | 67 | F026F3CD006.A | 86 | F026G2BA006 | 87 | F026G2EB006 | 88 | F026G2HD006 |
| 67 | F026F2BB012.A | 67 | F026F3CD012.A | 86 | F026G2BA012 | 87 | F026G2EB012 | 88 | F026G2HD012 |
| 67 | F026F2BB018.A | 67 | F026F3CD018.A | 86 | F026G2BA018 | 87 | F026G2EB018 | 88 | F026G2HD018 |
| 67 | F026F2BB030.A | 67 | F026F3CD030.A | 86 | F026G2BA030 | 87 | F026G2EB030 | 88 | F026G2HD030 |
| 67 | F026F2BB033.A | 67 | F026F3CD033.A | 86 | F026G2BA033 | 87 | F026G2EB033 | 88 | F026G2HD033 |
| 67 | F026F2BD001.A | 67 | F026F4BA001.A | 86 | F026G2BB001 | 87 | F026G2ED001 | 86 | F026G3AA001 |
| 67 | F026F2BD006.A | 67 | F026F4BA006.A | 86 | F026G2BB006 | 87 | F026G2ED006 | 86 | F026G3AA006 |
| 67 | F026F2BD012.A | 67 | F026F4BA012.A | 86 | F026G2BB012 | 87 | F026G2ED012 | 86 | F026G3AA012 |
| 67 | F026F2BD018.A | 67 | F026F4BA018.A | 86 | F026G2BB018 | 87 | F026G2ED018 | 86 | F026G3AA018 |
| 67 | F026F2BD030.A | 67 | F026F4BA030.A | 86 | F026G2BB030 | 87 | F026G2ED030 | 86 | F026G3AA030 |
| 67 | F026F2BD033.A | 67 | F026F4BA033.A | 86 | F026G2BB033 | 87 | F026G2ED033 | 86 | F026G3AA033 |
| 67 | F026F2CA001.A | 67 | F026F4BB001.A | 86 | F026G2BD001 | 88 | F026G2FA001 | 86 | F026G3AB001 |
| 67 | F026F2CA006.A | 67 | F026F4BB006.A | 86 | F026G2BD006 | 88 | F026G2FA006 | 86 | F026G3AB006 |
| 67 | F026F2CA012.A | 67 | F026F4BB012.A | 86 | F026G2BD012 | 88 | F026G2FA012 | 86 | F026G3AB012 |
| 67 | F026F2CA018.A | 67 | F026F4BB018.A | 86 | F026G2BD018 | 88 | F026G2FA018 | 86 | F026G3AB018 |
| 67 | F026F2CA030.A | 67 | F026F4BB030.A | 86 | F026G2BD030 | 88 | F026G2FA030 | 86 | F026G3AB030 |
| 67 | F026F2CA033.A | 67 | F026F4BB033.A | 86 | F026G2BD033 | 88 | F026G2FA033 | 86 | F026G3AB033 |
| 67 | F026F2CB001.A | 67 | F026F4BD001.A | 87 | F026G2CA001 | 88 | F026G2FB001 | 86 | F026G3AD001 |
| 67 | F026F2CB006.A | 67 | F026F4BD006.A | 87 | F026G2CA006 | 88 | F026G2FB006 | 86 | F026G3AD006 |
| 67 | F026F2CB012.A | 67 | F026F4BD012.A | 87 | F026G2CA012 | 88 | F026G2FB012 | 86 | F026G3AD012 |
| 67 | F026F2CB018.A | 67 | F026F4BD018.A | 87 | F026G2CA018 | 88 | F026G2FB018 | 86 | F026G3AD018 |
| 67 | F026F2CB030.A | 67 | F026F4BD030.A | 87 | F026G2CA030 | 88 | F026G2FB030 | 86 | F026G3AD030 |
| 67 | F026F2CB033.A | 67 | F026F4BD033.A | 87 | F026G2CA033 | 88 | F026G2FB033 | 86 | F026G3AD033 |
| 67 | F026F2CD001.A | 67 | F026F4CA001.A | 87 | F026G2CB001 | 88 | F026G2FD001 | 86 | F026G3BA001 |
| 67 | F026F2CD006.A | 67 | F026F4CA006.A | 87 | F026G2CB006 | 88 | F026G2FD006 | 86 | F026G3BA006 |
| 67 | F026F2CD012.A | 67 | F026F4CA012.A | 87 | F026G2CB012 | 88 | F026G2FD012 | 86 | F026G3BA012 |
| 67 | F026F2CD018.A | 67 | F026F4CA018.A | 87 | F026G2CB018 | 88 | F026G2FD018 | 86 | F026G3BA018 |
| 67 | F026F2CD030.A | 67 | F026F4CA030.A | 87 | F026G2CB030 | 88 | F026G2FD030 | 86 | F026G3BA030 |
| 67 | F026F2CD033.A | 67 | F026F4CA033.A | 87 | F026G2CB033 | 88 | F026G2FD033 | 86 | F026G3BA033 |
| 67 | F026F3BA001.A | 67 | F026F4CB001.A | 87 | F026G2CD001 | 88 | F026G2GA001 | 86 | F026G3BB001 |
| 67 | F026F3BA006.A | 67 | F026F4CB006.A | 87 | F026G2CD006 | 88 | F026G2GA006 | 86 | F026G3BB006 |
| 67 | F026F3BA012.A | 67 | F026F4CB012.A | 87 | F026G2CD012 | 88 | F026G2GA012 | 86 | F026G3BB012 |
| 67 | F026F3BA018.A | 67 | F026F4CB018.A | 87 | F026G2CD018 | 88 | F026G2GA018 | 86 | F026G3BB018 |
| 67 | F026F3BA030.A | 67 | F026F4CB030.A | 87 | F026G2CD030 | 88 | F026G2GA030 | 86 | F026G3BB030 |
| 67 | F026F3BA033.A | 67 | F026F4CB033.A | 87 | F026G2CD033 | 88 | F026G2GA033 | 86 | F026G3BB033 |
| 67 | F026F3BB001.A | 67 | F026F4CD001.A | 87 | F026G2DA001 | 88 | F026G2GB001 | 86 | F026G3BD001 |
| 67 | F026F3BB006.A | 67 | F026F4CD006.A | 87 | F026G2DA006 | 88 | F026G2GB006 | 86 | F026G3BD006 |
| 67 | F026F3BB012.A | 67 | F026F4CD012.A | 87 | F026G2DA012 | 88 | F026G2GB012 | 86 | F026G3BD012 |
| 67 | F026F3BB018.A | 67 | F026F4CD018.A | 87 | F026G2DA018 | 88 | F026G2GB018 | 86 | F026G3BD018 |
| 67 | F026F3BB030.A | 67 | F026F4CD030.A | 87 | F026G2DA030 | 88 | F026G2GB030 | 86 | F026G3BD030 |
| 67 | F026F3BB033.A | 67 | F026F4CD033.A | 87 | F026G2DA033 | 88 | F026G2GB033 | 86 | F026G3BD033 |
| 67 | F026F3BD001.A | 86 | F026G2AA001 | 87 | F026G2DB001 | 88 | F026G2GD001 | 87 | F026G3CA001 |
| 67 | F026F3BD006.A | 86 | F026G2AA006 | 87 | F026G2DB006 | 88 | F026G2GD006 | 87 | F026G3CA006 |
| 67 | F026F3BD012.A | 86 | F026G2AA012 | 87 | F026G2DB012 | 88 | F026G2GD012 | 87 | F026G3CA012 |
| 67 | F026F3BD018.A | 86 | F026G2AA018 | 87 | F026G2DB018 | 88 | F026G2GD018 | 87 | F026G3CA018 |
| 67 | F026F3BD030.A | 86 | F026G2AA030 | 87 | F026G2DB030 | 88 | F026G2GD030 | 87 | F026G3CA030 |
| 67 | F026F3BD033.A | 86 | F026G2AA033 | 87 | F026G2DB033 | 88 | F026G2GD033 | 87 | F026G3CA033 |
| 67 | F026F3CA001.A | 86 | F026G2AB001 | 87 | F026G2DD001 | 88 | F026G2HA001 | 87 | F026G3CB001 |
| 67 | F026F3CA006.A | 86 | F026G2AB006 | 87 | F026G2DD006 | 88 | F026G2HA006 | 87 | F026G3CB006 |
| 67 | F026F3CA012.A | 86 | F026G2AB012 | 87 | F026G2DD012 | 88 | F026G2HA012 | 87 | F026G3CB012 |
| 67 | F026F3CA018.A | 86 | F026G2AB018 | 87 | F026G2DD018 | 88 | F026G2HA018 | 87 | F026G3CB018 |
| 67 | F026F3CA030.A | 86 | F026G2AB030 | 87 | F026G2DD030 | 88 | F026G2HA030 | 87 | F026G3CB030 |
| 67 | F026F3CA033.A | 86 | F026G2AB033 | 87 | F026G2DD033 | 88 | F026G2HA033 | 87 | F026G3CB033 |

| Page | Reference | Page | Reference | Page | Reference | Page | Reference | Page | Reference |
|---|---|---|---|---|---|---|---|---|---|
| 87 | F026G3CD001 | 88 | F026G3GA001 | 86 | F026G4BB001 | 87 | F026G4ED001 | 89 | F026H2BA001 |
| 87 | F026G3CD006 | 88 | F026G3GA006 | 86 | F026G4BB006 | 87 | F026G4ED006 | 89 | F026H2BA006 |
| 87 | F026G3CD012 | 88 | F026G3GA012 | 86 | F026G4BB012 | 87 | F026G4ED012 | 89 | F026H2BA012 |
| 87 | F026G3CD018 | 88 | F026G3GA018 | 86 | F026G4BB018 | 87 | F026G4ED018 | 89 | F026H2BA018 |
| 87 | F026G3CD030 | 88 | F026G3GA030 | 86 | F026G4BB030 | 87 | F026G4ED030 | 89 | F026H2BA030 |
| 87 | F026G3CD033 | 88 | F026G3GA033 | 86 | F026G4BB033 | 87 | F026G4ED033 | 89 | F026H2BA033 |
| 87 | F026G3DA001 | 88 | F026G3GB001 | 86 | F026G4BD001 | 88 | F026G4FA001 | 89 | F026H2BB001 |
| 87 | F026G3DA006 | 88 | F026G3GB006 | 86 | F026G4BD006 | 88 | F026G4FA006 | 89 | F026H2BB006 |
| 87 | F026G3DA012 | 88 | F026G3GB012 | 86 | F026G4BD012 | 88 | F026G4FA012 | 89 | F026H2BB012 |
| 87 | F026G3DA018 | 88 | F026G3GB018 | 86 | F026G4BD018 | 88 | F026G4FA018 | 89 | F026H2BB018 |
| 87 | F026G3DA030 | 88 | F026G3GB030 | 86 | F026G4BD030 | 88 | F026G4FA030 | 89 | F026H2BB030 |
| 87 | F026G3DA033 | 88 | F026G3GB033 | 86 | F026G4BD033 | 88 | F026G4FA033 | 89 | F026H2BB033 |
| 87 | F026G3DB001 | 88 | F026G3GD001 | 87 | F026G4CA001 | 88 | F026G4FB001 | 89 | F026H2BD001 |
| 87 | F026G3DB006 | 88 | F026G3GD006 | 87 | F026G4CA006 | 88 | F026G4FB006 | 89 | F026H2BD006 |
| 87 | F026G3DB012 | 88 | F026G3GD012 | 87 | F026G4CA012 | 88 | F026G4FB012 | 89 | F026H2BD012 |
| 87 | F026G3DB018 | 88 | F026G3GD018 | 87 | F026G4CA018 | 88 | F026G4FB018 | 89 | F026H2BD018 |
| 87 | F026G3DB030 | 88 | F026G3GD030 | 87 | F026G4CA030 | 88 | F026G4FB030 | 89 | F026H2BD030 |
| 87 | F026G3DB033 | 88 | F026G3GD033 | 87 | F026G4CA033 | 88 | F026G4FB033 | 89 | F026H2BD033 |
| 87 | F026G3DD001 | 88 | F026G3HA001 | 87 | F026G4CB001 | 88 | F026G4FD001 | 89 | F026H2CA001 |
| 87 | F026G3DD006 | 88 | F026G3HA006 | 87 | F026G4CB006 | 88 | F026G4FD006 | 89 | F026H2CA006 |
| 87 | F026G3DD012 | 88 | F026G3HA012 | 87 | F026G4CB012 | 88 | F026G4FD012 | 89 | F026H2CA012 |
| 87 | F026G3DD018 | 88 | F026G3HA018 | 87 | F026G4CB018 | 88 | F026G4FD018 | 89 | F026H2CA018 |
| 87 | F026G3DD030 | 88 | F026G3HA030 | 87 | F026G4CB030 | 88 | F026G4FD030 | 89 | F026H2CA030 |
| 87 | F026G3DD033 | 88 | F026G3HA033 | 87 | F026G4CB033 | 88 | F026G4FD033 | 89 | F026H2CA033 |
| 87 | F026G3EA001 | 88 | F026G3HB001 | 87 | F026G4CD001 | 88 | F026G4GA001 | 89 | F026H2CB001 |
| 87 | F026G3EA006 | 88 | F026G3HB006 | 87 | F026G4CD006 | 88 | F026G4GA006 | 89 | F026H2CB006 |
| 87 | F026G3EA012 | 88 | F026G3HB012 | 87 | F026G4CD012 | 88 | F026G4GA012 | 89 | F026H2CB012 |
| 87 | F026G3EA018 | 88 | F026G3HB018 | 87 | F026G4CD018 | 88 | F026G4GA018 | 89 | F026H2CB018 |
| 87 | F026G3EA030 | 88 | F026G3HB030 | 87 | F026G4CD030 | 88 | F026G4GA030 | 89 | F026H2CB030 |
| 87 | F026G3EA033 | 88 | F026G3HB033 | 87 | F026G4CD033 | 88 | F026G4GA033 | 89 | F026H2CB033 |
| 87 | F026G3EB001 | 88 | F026G3HD001 | 87 | F026G4DA001 | 88 | F026G4GB001 | 89 | F026H2CD001 |
| 87 | F026G3EB006 | 88 | F026G3HD006 | 87 | F026G4DA006 | 88 | F026G4GB006 | 89 | F026H2CD006 |
| 87 | F026G3EB012 | 88 | F026G3HD012 | 87 | F026G4DA012 | 88 | F026G4GB012 | 89 | F026H2CD012 |
| 87 | F026G3EB018 | 88 | F026G3HD018 | 87 | F026G4DA018 | 88 | F026G4GB018 | 89 | F026H2CD018 |
| 87 | F026G3EB030 | 88 | F026G3HD030 | 87 | F026G4DA030 | 88 | F026G4GB030 | 89 | F026H2CD030 |
| 87 | F026G3EB033 | 88 | F026G3HD033 | 87 | F026G4DA033 | 88 | F026G4GB033 | 89 | F026H2CD033 |
| 87 | F026G3ED001 | 86 | F026G4AA001 | 87 | F026G4DB001 | 88 | F026G4GD001 | 90 | F026H2DA001 |
| 87 | F026G3ED006 | 86 | F026G4AA006 | 87 | F026G4DB006 | 88 | F026G4GD006 | 90 | F026H2DA006 |
| 87 | F026G3ED012 | 86 | F026G4AA012 | 87 | F026G4DB012 | 88 | F026G4GD012 | 90 | F026H2DA012 |
| 87 | F026G3ED018 | 86 | F026G4AA018 | 87 | F026G4DB018 | 88 | F026G4GD018 | 90 | F026H2DA018 |
| 87 | F026G3ED030 | 86 | F026G4AA030 | 87 | F026G4DB030 | 88 | F026G4GD030 | 90 | F026H2DA030 |
| 87 | F026G3ED033 | 86 | F026G4AA033 | 87 | F026G4DB033 | 88 | F026G4GD033 | 90 | F026H2DA033 |
| 88 | F026G3FA001 | 86 | F026G4AB001 | 87 | F026G4DD001 | 88 | F026G4HA001 | 90 | F026H2DB001 |
| 88 | F026G3FA006 | 86 | F026G4AB006 | 87 | F026G4DD006 | 88 | F026G4HA006 | 90 | F026H2DB006 |
| 88 | F026G3FA012 | 86 | F026G4AB012 | 87 | F026G4DD012 | 88 | F026G4HA012 | 90 | F026H2DB012 |
| 88 | F026G3FA018 | 86 | F026G4AB018 | 87 | F026G4DD018 | 88 | F026G4HA018 | 90 | F026H2DB018 |
| 88 | F026G3FA030 | 86 | F026G4AB030 | 87 | F026G4DD030 | 88 | F026G4HA030 | 90 | F026H2DB030 |
| 88 | F026G3FA033 | 86 | F026G4AB033 | 87 | F026G4DD033 | 88 | F026G4HA033 | 90 | F026H2DB033 |
| 88 | F026G3FB001 | 86 | F026G4AD001 | 87 | F026G4EA001 | 88 | F026G4HB001 | 90 | F026H2DD001 |
| 88 | F026G3FB006 | 86 | F026G4AD006 | 87 | F026G4EA006 | 88 | F026G4HB006 | 90 | F026H2DD006 |
| 88 | F026G3FB012 | 86 | F026G4AD012 | 87 | F026G4EA012 | 88 | F026G4HB012 | 90 | F026H2DD012 |
| 88 | F026G3FB018 | 86 | F026G4AD018 | 87 | F026G4EA018 | 88 | F026G4HB018 | 90 | F026H2DD018 |
| 88 | F026G3FB030 | 86 | F026G4AD030 | 87 | F026G4EA030 | 88 | F026G4HB030 | 90 | F026H2DD030 |
| 88 | F026G3FB033 | 86 | F026G4AD033 | 87 | F026G4EA033 | 88 | F026G4HB033 | 90 | F026H2DD033 |
| 88 | F026G3FD001 | 86 | F026G4BA001 | 87 | F026G4EB001 | 88 | F026G4HD001 | 90 | F026H2EA001 |
| 88 | F026G3FD006 | 86 | F026G4BA006 | 87 | F026G4EB006 | 88 | F026G4HD006 | 90 | F026H2EA006 |
| 88 | F026G3FD012 | 86 | F026G4BA012 | 87 | F026G4EB012 | 88 | F026G4HD012 | 90 | F026H2EA012 |
| 88 | F026G3FD018 | 86 | F026G4BA018 | 87 | F026G4EB018 | 88 | F026G4HD018 | 90 | F026H2EA018 |
| 88 | F026G3FD030 | 86 | F026G4BA030 | 87 | F026G4EB030 | 88 | F026G4HD030 | 90 | F026H2EA030 |
| 88 | F026G3FD033 | 86 | F026G4BA033 | 87 | F026G4EB033 | 88 | F026G4HD033 | 90 | F026H2EA033 |

| Page | Reference | Page | Reference | Page | Reference | Page | Reference | Page | Reference |
|---|---|---|---|---|---|---|---|---|---|
| 90 | F026H2EB001 | 91 | F026H2HD001 | 90 | F026H3EA001 | 91 | F026H3HB001 | 90 | F026H4DD001 |
| 90 | F026H2EB006 | 91 | F026H2HD006 | 90 | F026H3EA006 | 91 | F026H3HB006 | 90 | F026H4DD006 |
| 90 | F026H2EB012 | 91 | F026H2HD012 | 90 | F026H3EA012 | 91 | F026H3HB012 | 90 | F026H4DD012 |
| 90 | F026H2EB018 | 91 | F026H2HD018 | 90 | F026H3EA018 | 91 | F026H3HB018 | 90 | F026H4DD018 |
| 90 | F026H2EB030 | 91 | F026H2HD030 | 90 | F026H3EA030 | 91 | F026H3HB030 | 90 | F026H4DD030 |
| 90 | F026H2EB033 | 91 | F026H2HD033 | 90 | F026H3EA033 | 91 | F026H3HB033 | 90 | F026H4DD033 |
| 90 | F026H2ED001 | 89 | F026H3BA001 | 90 | F026H3EB001 | 91 | F026H3HD001 | 90 | F026H4EA001 |
| 90 | F026H2ED006 | 89 | F026H3BA006 | 90 | F026H3EB006 | 91 | F026H3HD006 | 90 | F026H4EA006 |
| 90 | F026H2ED012 | 89 | F026H3BA012 | 90 | F026H3EB012 | 91 | F026H3HD012 | 90 | F026H4EA012 |
| 90 | F026H2ED018 | 89 | F026H3BA018 | 90 | F026H3EB018 | 91 | F026H3HD018 | 90 | F026H4EA018 |
| 90 | F026H2ED030 | 89 | F026H3BA030 | 90 | F026H3EB030 | 91 | F026H3HD030 | 90 | F026H4EA030 |
| 90 | F026H2ED033 | 89 | F026H3BA033 | 90 | F026H3EB033 | 91 | F026H3HD033 | 90 | F026H4EA033 |
| 90 | F026H2FA001 | 89 | F026H3BB001 | 90 | F026H3ED001 | 89 | F026H4BA001 | 90 | F026H4EB001 |
| 90 | F026H2FA006 | 89 | F026H3BB006 | 90 | F026H3ED006 | 89 | F026H4BA006 | 90 | F026H4EB006 |
| 90 | F026H2FA012 | 89 | F026H3BB012 | 90 | F026H3ED012 | 89 | F026H4BA012 | 90 | F026H4EB012 |
| 90 | F026H2FA018 | 89 | F026H3BB018 | 90 | F026H3ED018 | 89 | F026H4BA018 | 90 | F026H4EB018 |
| 90 | F026H2FA030 | 89 | F026H3BB030 | 90 | F026H3ED030 | 89 | F026H4BA030 | 90 | F026H4EB030 |
| 90 | F026H2FA033 | 89 | F026H3BB033 | 90 | F026H3ED033 | 89 | F026H4BA033 | 90 | F026H4EB033 |
| 90 | F026H2FB001 | 89 | F026H3BD001 | 90 | F026H3FA001 | 89 | F026H4BB001 | 90 | F026H4ED001 |
| 90 | F026H2FB006 | 89 | F026H3BD006 | 90 | F026H3FA006 | 89 | F026H4BB006 | 90 | F026H4ED006 |
| 90 | F026H2FB012 | 89 | F026H3BD012 | 90 | F026H3FA012 | 89 | F026H4BB012 | 90 | F026H4ED012 |
| 90 | F026H2FB018 | 89 | F026H3BD018 | 90 | F026H3FA018 | 89 | F026H4BB018 | 90 | F026H4ED018 |
| 90 | F026H2FB030 | 89 | F026H3BD030 | 90 | F026H3FA030 | 89 | F026H4BB030 | 90 | F026H4ED030 |
| 90 | F026H2FB033 | 89 | F026H3BD033 | 90 | F026H3FA033 | 89 | F026H4BB033 | 90 | F026H4ED033 |
| 90 | F026H2FD001 | 89 | F026H3CA001 | 90 | F026H3FB001 | 89 | F026H4BD001 | 90 | F026H4FA001 |
| 90 | F026H2FD006 | 89 | F026H3CA006 | 90 | F026H3FB006 | 89 | F026H4BD006 | 90 | F026H4FA006 |
| 90 | F026H2FD012 | 89 | F026H3CA012 | 90 | F026H3FB012 | 89 | F026H4BD012 | 90 | F026H4FA012 |
| 90 | F026H2FD018 | 89 | F026H3CA018 | 90 | F026H3FB018 | 89 | F026H4BD018 | 90 | F026H4FA018 |
| 90 | F026H2FD030 | 89 | F026H3CA030 | 90 | F026H3FB030 | 89 | F026H4BD030 | 90 | F026H4FA030 |
| 90 | F026H2FD033 | 89 | F026H3CA033 | 90 | F026H3FB033 | 89 | F026H4BD033 | 90 | F026H4FA033 |
| 91 | F026H2GA001 | 89 | F026H3CB001 | 90 | F026H3FD001 | 89 | F026H4CA001 | 90 | F026H4FB001 |
| 91 | F026H2GA006 | 89 | F026H3CB006 | 90 | F026H3FD006 | 89 | F026H4CA006 | 90 | F026H4FB006 |
| 91 | F026H2GA012 | 89 | F026H3CB012 | 90 | F026H3FD012 | 89 | F026H4CA012 | 90 | F026H4FB012 |
| 91 | F026H2GA018 | 89 | F026H3CB018 | 90 | F026H3FD018 | 89 | F026H4CA018 | 90 | F026H4FB018 |
| 91 | F026H2GA030 | 89 | F026H3CB030 | 90 | F026H3FD030 | 89 | F026H4CA030 | 90 | F026H4FB030 |
| 91 | F026H2GA033 | 89 | F026H3CB033 | 90 | F026H3FD033 | 89 | F026H4CA033 | 90 | F026H4FB033 |
| 91 | F026H2GB001 | 89 | F026H3CD001 | 91 | F026H3GA001 | 89 | F026H4CB001 | 90 | F026H4FD001 |
| 91 | F026H2GB006 | 89 | F026H3CD006 | 91 | F026H3GA006 | 89 | F026H4CB006 | 90 | F026H4FD006 |
| 91 | F026H2GB012 | 89 | F026H3CD012 | 91 | F026H3GA012 | 89 | F026H4CB012 | 90 | F026H4FD012 |
| 91 | F026H2GB018 | 89 | F026H3CD018 | 91 | F026H3GA018 | 89 | F026H4CB018 | 90 | F026H4FD018 |
| 91 | F026H2GB030 | 89 | F026H3CD030 | 91 | F026H3GA030 | 89 | F026H4CB030 | 90 | F026H4FD030 |
| 91 | F026H2GB033 | 89 | F026H3CD033 | 91 | F026H3GA033 | 89 | F026H4CB033 | 90 | F026H4FD033 |
| 91 | F026H2GD001 | 90 | F026H3DA001 | 91 | F026H3GB001 | 89 | F026H4CD001 | 91 | F026H4GA001 |
| 91 | F026H2GD006 | 90 | F026H3DA006 | 91 | F026H3GB006 | 89 | F026H4CD006 | 91 | F026H4GA006 |
| 91 | F026H2GD012 | 90 | F026H3DA012 | 91 | F026H3GB012 | 89 | F026H4CD012 | 91 | F026H4GA012 |
| 91 | F026H2GD018 | 90 | F026H3DA018 | 91 | F026H3GB018 | 89 | F026H4CD018 | 91 | F026H4GA018 |
| 91 | F026H2GD030 | 90 | F026H3DA030 | 91 | F026H3GB030 | 89 | F026H4CD030 | 91 | F026H4GA030 |
| 91 | F026H2GD033 | 90 | F026H3DA033 | 91 | F026H3GB033 | 89 | F026H4CD033 | 91 | F026H4GA033 |
| 91 | F026H2HA001 | 90 | F026H3DB001 | 91 | F026H3GD001 | 90 | F026H4DA001 | 91 | F026H4GB001 |
| 91 | F026H2HA006 | 90 | F026H3DB006 | 91 | F026H3GD006 | 90 | F026H4DA006 | 91 | F026H4GB006 |
| 91 | F026H2HA012 | 90 | F026H3DB012 | 91 | F026H3GD012 | 90 | F026H4DA012 | 91 | F026H4GB012 |
| 91 | F026H2HA018 | 90 | F026H3DB018 | 91 | F026H3GD018 | 90 | F026H4DA018 | 91 | F026H4GB018 |
| 91 | F026H2HA030 | 90 | F026H3DB030 | 91 | F026H3GD030 | 90 | F026H4DA030 | 91 | F026H4GB030 |
| 91 | F026H2HA033 | 90 | F026H3DB033 | 91 | F026H3GD033 | 90 | F026H4DA033 | 91 | F026H4GB033 |
| 91 | F026H2HB001 | 90 | F026H3DD001 | 91 | F026H3HA001 | 90 | F026H4DB001 | 91 | F026H4GD001 |
| 91 | F026H2HB006 | 90 | F026H3DD006 | 91 | F026H3HA006 | 90 | F026H4DB006 | 91 | F026H4GD006 |
| 91 | F026H2HB012 | 90 | F026H3DD012 | 91 | F026H3HA012 | 90 | F026H4DB012 | 91 | F026H4GD012 |
| 91 | F026H2HB018 | 90 | F026H3DD018 | 91 | F026H3HA018 | 90 | F026H4DB018 | 91 | F026H4GD018 |
| 91 | F026H2HB030 | 90 | F026H3DD030 | 91 | F026H3HA030 | 90 | F026H4DB030 | 91 | F026H4GD030 |
| 91 | F026H2HB033 | 90 | F026H3DD033 | 91 | F026H3HA033 | 90 | F026H4DB033 | 91 | F026H4GD033 |

| Page | Reference | Page | Reference | Page | Reference | Page | Reference | Page | Reference |
|---|---|---|---|---|---|---|---|---|---|
| 91 | F026H4HA001 | 73 | F026L2CB001 | 74 | F026L2FD001 | 72 | F026L3BA001 | 73 | F026L3EB001 |
| 91 | F026H4HA006 | 73 | F026L2CB006 | 74 | F026L2FD006 | 72 | F026L3BA006 | 73 | F026L3EB006 |
| 91 | F026H4HA012 | 73 | F026L2CB012 | 74 | F026L2FD012 | 72 | F026L3BA012 | 73 | F026L3EB012 |
| 91 | F026H4HA018 | 73 | F026L2CB018 | 74 | F026L2FD018 | 72 | F026L3BA018 | 73 | F026L3EB018 |
| 91 | F026H4HA030 | 73 | F026L2CB030 | 74 | F026L2FD030 | 72 | F026L3BA030 | 73 | F026L3EB030 |
| 91 | F026H4HA033 | 73 | F026L2CB033 | 74 | F026L2FD033 | 72 | F026L3BA033 | 73 | F026L3EB033 |
| 91 | F026H4HB001 | 73 | F026L2CD001 | 74 | F026L2GA001 | 72 | F026L3BB001 | 73 | F026L3ED001 |
| 91 | F026H4HB006 | 73 | F026L2CD006 | 74 | F026L2GA006 | 72 | F026L3BB006 | 73 | F026L3ED006 |
| 91 | F026H4HB012 | 73 | F026L2CD012 | 74 | F026L2GA012 | 72 | F026L3BB012 | 73 | F026L3ED012 |
| 91 | F026H4HB018 | 73 | F026L2CD018 | 74 | F026L2GA018 | 72 | F026L3BB018 | 73 | F026L3ED018 |
| 91 | F026H4HB030 | 73 | F026L2CD030 | 74 | F026L2GA030 | 72 | F026L3BB030 | 73 | F026L3ED030 |
| 91 | F026H4HB033 | 73 | F026L2CD033 | 74 | F026L2GA033 | 72 | F026L3BB033 | 73 | F026L3ED033 |
| 91 | F026H4HD001 | 73 | F026L2DA001 | 74 | F026L2GB001 | 72 | F026L3BD001 | 74 | F026L3FA001 |
| 91 | F026H4HD006 | 73 | F026L2DA006 | 74 | F026L2GB006 | 72 | F026L3BD006 | 74 | F026L3FA006 |
| 91 | F026H4HD012 | 73 | F026L2DA012 | 74 | F026L2GB012 | 72 | F026L3BD012 | 74 | F026L3FA012 |
| 91 | F026H4HD018 | 73 | F026L2DA018 | 74 | F026L2GB018 | 72 | F026L3BD018 | 74 | F026L3FA018 |
| 91 | F026H4HD030 | 73 | F026L2DA030 | 74 | F026L2GB030 | 72 | F026L3BD030 | 74 | F026L3FA030 |
| 91 | F026H4HD033 | 73 | F026L2DA033 | 74 | F026L2GB033 | 72 | F026L3BD033 | 74 | F026L3FA033 |
| 72 | F026L2AA001 | 73 | F026L2DB001 | 74 | F026L2GD001 | 73 | F026L3CA001 | 74 | F026L3FB001 |
| 72 | F026L2AA006 | 73 | F026L2DB006 | 74 | F026L2GD006 | 73 | F026L3CA006 | 74 | F026L3FB006 |
| 72 | F026L2AA012 | 73 | F026L2DB012 | 74 | F026L2GD012 | 73 | F026L3CA012 | 74 | F026L3FB012 |
| 72 | F026L2AA018 | 73 | F026L2DB018 | 74 | F026L2GD018 | 73 | F026L3CA018 | 74 | F026L3FB018 |
| 72 | F026L2AA030 | 73 | F026L2DB030 | 74 | F026L2GD030 | 73 | F026L3CA030 | 74 | F026L3FB030 |
| 72 | F026L2AA033 | 73 | F026L2DB033 | 74 | F026L2GD033 | 73 | F026L3CA033 | 74 | F026L3FB033 |
| 72 | F026L2AB001 | 73 | F026L2DD001 | 74 | F026L2HA001 | 73 | F026L3CB001 | 74 | F026L3FD001 |
| 72 | F026L2AB006 | 73 | F026L2DD006 | 74 | F026L2HA006 | 73 | F026L3CB006 | 74 | F026L3FD006 |
| 72 | F026L2AB012 | 73 | F026L2DD012 | 74 | F026L2HA012 | 73 | F026L3CB012 | 74 | F026L3FD012 |
| 72 | F026L2AB018 | 73 | F026L2DD018 | 74 | F026L2HA018 | 73 | F026L3CB018 | 74 | F026L3FD018 |
| 72 | F026L2AB030 | 73 | F026L2DD030 | 74 | F026L2HA030 | 73 | F026L3CB030 | 74 | F026L3FD030 |
| 72 | F026L2AB033 | 73 | F026L2DD033 | 74 | F026L2HA033 | 73 | F026L3CB033 | 74 | F026L3FD033 |
| 72 | F026L2AD001 | 73 | F026L2EA001 | 74 | F026L2HB001 | 73 | F026L3CD001 | 74 | F026L3GA001 |
| 72 | F026L2AD006 | 73 | F026L2EA006 | 74 | F026L2HB006 | 73 | F026L3CD006 | 74 | F026L3GA006 |
| 72 | F026L2AD012 | 73 | F026L2EA012 | 74 | F026L2HB012 | 73 | F026L3CD012 | 74 | F026L3GA012 |
| 72 | F026L2AD018 | 73 | F026L2EA018 | 74 | F026L2HB018 | 73 | F026L3CD018 | 74 | F026L3GA018 |
| 72 | F026L2AD030 | 73 | F026L2EA030 | 74 | F026L2HB030 | 73 | F026L3CD030 | 74 | F026L3GA030 |
| 72 | F026L2AD033 | 73 | F026L2EA033 | 74 | F026L2HB033 | 73 | F026L3CD033 | 74 | F026L3GA033 |
| 72 | F026L2BA001 | 73 | F026L2EB001 | 74 | F026L2HD001 | 73 | F026L3DA001 | 74 | F026L3GB001 |
| 72 | F026L2BA006 | 73 | F026L2EB006 | 74 | F026L2HD006 | 73 | F026L3DA006 | 74 | F026L3GB006 |
| 72 | F026L2BA012 | 73 | F026L2EB012 | 74 | F026L2HD012 | 73 | F026L3DA012 | 74 | F026L3GB012 |
| 72 | F026L2BA018 | 73 | F026L2EB018 | 74 | F026L2HD018 | 73 | F026L3DA018 | 74 | F026L3GB018 |
| 72 | F026L2BA030 | 73 | F026L2EB030 | 74 | F026L2HD030 | 73 | F026L3DA030 | 74 | F026L3GB030 |
| 72 | F026L2BA033 | 73 | F026L2EB033 | 74 | F026L2HD033 | 73 | F026L3DA033 | 74 | F026L3GB033 |
| 72 | F026L2BB001 | 73 | F026L2ED001 | 72 | F026L3AA001 | 73 | F026L3DB001 | 74 | F026L3GD001 |
| 72 | F026L2BB006 | 73 | F026L2ED006 | 72 | F026L3AA006 | 73 | F026L3DB006 | 74 | F026L3GD006 |
| 72 | F026L2BB012 | 73 | F026L2ED012 | 72 | F026L3AA012 | 73 | F026L3DB012 | 74 | F026L3GD012 |
| 72 | F026L2BB018 | 73 | F026L2ED018 | 72 | F026L3AA018 | 73 | F026L3DB018 | 74 | F026L3GD018 |
| 72 | F026L2BB030 | 73 | F026L2ED030 | 72 | F026L3AA030 | 73 | F026L3DB030 | 74 | F026L3GD030 |
| 72 | F026L2BB033 | 73 | F026L2ED033 | 72 | F026L3AA033 | 73 | F026L3DB033 | 74 | F026L3GD033 |
| 72 | F026L2BD001 | 74 | F026L2FA001 | 72 | F026L3AB001 | 73 | F026L3DD001 | 74 | F026L3HA001 |
| 72 | F026L2BD006 | 74 | F026L2FA006 | 72 | F026L3AB006 | 73 | F026L3DD006 | 74 | F026L3HA006 |
| 72 | F026L2BD012 | 74 | F026L2FA012 | 72 | F026L3AB012 | 73 | F026L3DD012 | 74 | F026L3HA012 |
| 72 | F026L2BD018 | 74 | F026L2FA018 | 72 | F026L3AB018 | 73 | F026L3DD018 | 74 | F026L3HA018 |
| 72 | F026L2BD030 | 74 | F026L2FA030 | 72 | F026L3AB030 | 73 | F026L3DD030 | 74 | F026L3HA030 |
| 72 | F026L2BD033 | 74 | F026L2FA033 | 72 | F026L3AB033 | 73 | F026L3DD033 | 74 | F026L3HA033 |
| 73 | F026L2CA001 | 74 | F026L2FB001 | 72 | F026L3AD001 | 73 | F026L3EA001 | 74 | F026L3HB001 |
| 73 | F026L2CA006 | 74 | F026L2FB006 | 72 | F026L3AD006 | 73 | F026L3EA006 | 74 | F026L3HB006 |
| 73 | F026L2CA012 | 74 | F026L2FB012 | 72 | F026L3AD012 | 73 | F026L3EA012 | 74 | F026L3HB012 |
| 73 | F026L2CA018 | 74 | F026L2FB018 | 72 | F026L3AD018 | 73 | F026L3EA018 | 74 | F026L3HB018 |
| 73 | F026L2CA030 | 74 | F026L2FB030 | 72 | F026L3AD030 | 73 | F026L3EA030 | 74 | F026L3HB030 |
| 73 | F026L2CA033 | 74 | F026L2FB033 | 72 | F026L3AD033 | 73 | F026L3EA033 | 74 | F026L3HB033 |

| Page | Reference | Page | Reference | Page | Reference | Page | Reference | Page | Reference |
|---|---|---|---|---|---|---|---|---|---|
| 74 | F026L3HD001 | 73 | F026L4DA001 | 74 | F026L4GB001 | 75 | F026M2CD001 | 77 | F026M2GA001 |
| 74 | F026L3HD006 | 73 | F026L4DA006 | 74 | F026L4GB006 | 75 | F026M2CD006 | 77 | F026M2GA006 |
| 74 | F026L3HD012 | 73 | F026L4DA012 | 74 | F026L4GB012 | 75 | F026M2CD012 | 77 | F026M2GA012 |
| 74 | F026L3HD018 | 73 | F026L4DA018 | 74 | F026L4GB018 | 75 | F026M2CD018 | 77 | F026M2GA018 |
| 74 | F026L3HD030 | 73 | F026L4DA030 | 74 | F026L4GB030 | 75 | F026M2CD030 | 77 | F026M2GA030 |
| 74 | F026L3HD033 | 73 | F026L4DA033 | 74 | F026L4GB033 | 75 | F026M2CD033 | 77 | F026M2GA033 |
| 72 | F026L4AA001 | 73 | F026L4DB001 | 74 | F026L4GD001 | 76 | F026M2DA001 | 77 | F026M2GB001 |
| 72 | F026L4AA006 | 73 | F026L4DB006 | 74 | F026L4GD006 | 76 | F026M2DA006 | 77 | F026M2GB006 |
| 72 | F026L4AA012 | 73 | F026L4DB012 | 74 | F026L4GD012 | 76 | F026M2DA012 | 77 | F026M2GB012 |
| 72 | F026L4AA018 | 73 | F026L4DB018 | 74 | F026L4GD018 | 76 | F026M2DA018 | 77 | F026M2GB018 |
| 72 | F026L4AA030 | 73 | F026L4DB030 | 74 | F026L4GD030 | 76 | F026M2DA030 | 77 | F026M2GB030 |
| 72 | F026L4AA033 | 73 | F026L4DB033 | 74 | F026L4GD033 | 76 | F026M2DA033 | 77 | F026M2GB033 |
| 72 | F026L4AB001 | 73 | F026L4DD001 | 74 | F026L4HA001 | 76 | F026M2DB001 | 77 | F026M2GD001 |
| 72 | F026L4AB006 | 73 | F026L4DD006 | 74 | F026L4HA006 | 76 | F026M2DB006 | 77 | F026M2GD006 |
| 72 | F026L4AB012 | 73 | F026L4DD012 | 74 | F026L4HA012 | 76 | F026M2DB012 | 77 | F026M2GD012 |
| 72 | F026L4AB018 | 73 | F026L4DD018 | 74 | F026L4HA018 | 76 | F026M2DB018 | 77 | F026M2GD018 |
| 72 | F026L4AB030 | 73 | F026L4DD030 | 74 | F026L4HA030 | 76 | F026M2DB030 | 77 | F026M2GD030 |
| 72 | F026L4AB033 | 73 | F026L4DD033 | 74 | F026L4HA033 | 76 | F026M2DB033 | 77 | F026M2GD033 |
| 72 | F026L4AD001 | 73 | F026L4EA001 | 74 | F026L4HB001 | 76 | F026M2DD001 | 77 | F026M2HA001 |
| 72 | F026L4AD006 | 73 | F026L4EA006 | 74 | F026L4HB006 | 76 | F026M2DD006 | 77 | F026M2HA006 |
| 72 | F026L4AD012 | 73 | F026L4EA012 | 74 | F026L4HB012 | 76 | F026M2DD012 | 77 | F026M2HA012 |
| 72 | F026L4AD018 | 73 | F026L4EA018 | 74 | F026L4HB018 | 76 | F026M2DD018 | 77 | F026M2HA018 |
| 72 | F026L4AD030 | 73 | F026L4EA030 | 74 | F026L4HB030 | 76 | F026M2DD030 | 77 | F026M2HA030 |
| 72 | F026L4AD033 | 73 | F026L4EA033 | 74 | F026L4HB033 | 76 | F026M2DD033 | 77 | F026M2HA033 |
| 72 | F026L4BA001 | 73 | F026L4EB001 | 74 | F026L4HD001 | 76 | F026M2EA001 | 77 | F026M2HB001 |
| 72 | F026L4BA006 | 73 | F026L4EB006 | 74 | F026L4HD006 | 76 | F026M2EA006 | 77 | F026M2HB006 |
| 72 | F026L4BA012 | 73 | F026L4EB012 | 74 | F026L4HD012 | 76 | F026M2EA012 | 77 | F026M2HB012 |
| 72 | F026L4BA018 | 73 | F026L4EB018 | 74 | F026L4HD018 | 76 | F026M2EA018 | 77 | F026M2HB018 |
| 72 | F026L4BA030 | 73 | F026L4EB030 | 74 | F026L4HD030 | 76 | F026M2EA030 | 77 | F026M2HB030 |
| 72 | F026L4BA033 | 73 | F026L4EB033 | 74 | F026L4HD033 | 76 | F026M2EA033 | 77 | F026M2HB033 |
| 72 | F026L4BB001 | 73 | F026L4ED001 | 75 | F026M2BA001 | 76 | F026M2EB001 | 77 | F026M2HD001 |
| 72 | F026L4BB006 | 73 | F026L4ED006 | 75 | F026M2BA006 | 76 | F026M2EB006 | 77 | F026M2HD006 |
| 72 | F026L4BB012 | 73 | F026L4ED012 | 75 | F026M2BA012 | 76 | F026M2EB012 | 77 | F026M2HD012 |
| 72 | F026L4BB018 | 73 | F026L4ED018 | 75 | F026M2BA018 | 76 | F026M2EB018 | 77 | F026M2HD018 |
| 72 | F026L4BB030 | 73 | F026L4ED030 | 75 | F026M2BA030 | 76 | F026M2EB030 | 77 | F026M2HD030 |
| 72 | F026L4BB033 | 73 | F026L4ED033 | 75 | F026M2BA033 | 76 | F026M2EB033 | 77 | F026M2HD033 |
| 72 | F026L4BD001 | 74 | F026L4FA001 | 75 | F026M2BB001 | 76 | F026M2ED001 | 75 | F026M3BA001 |
| 72 | F026L4BD006 | 74 | F026L4FA006 | 75 | F026M2BB006 | 76 | F026M2ED006 | 75 | F026M3BA006 |
| 72 | F026L4BD012 | 74 | F026L4FA012 | 75 | F026M2BB012 | 76 | F026M2ED012 | 75 | F026M3BA012 |
| 72 | F026L4BD018 | 74 | F026L4FA018 | 75 | F026M2BB018 | 76 | F026M2ED018 | 75 | F026M3BA018 |
| 72 | F026L4BD030 | 74 | F026L4FA030 | 75 | F026M2BB030 | 76 | F026M2ED030 | 75 | F026M3BA030 |
| 72 | F026L4BD033 | 74 | F026L4FA033 | 75 | F026M2BB033 | 76 | F026M2ED033 | 75 | F026M3BA033 |
| 73 | F026L4CA001 | 74 | F026L4FB001 | 75 | F026M2BD001 | 76 | F026M2FA001 | 75 | F026M3BB001 |
| 73 | F026L4CA006 | 74 | F026L4FB006 | 75 | F026M2BD006 | 76 | F026M2FA006 | 75 | F026M3BB006 |
| 73 | F026L4CA012 | 74 | F026L4FB012 | 75 | F026M2BD012 | 76 | F026M2FA012 | 75 | F026M3BB012 |
| 73 | F026L4CA018 | 74 | F026L4FB018 | 75 | F026M2BD018 | 76 | F026M2FA018 | 75 | F026M3BB018 |
| 73 | F026L4CA030 | 74 | F026L4FB030 | 75 | F026M2BD030 | 76 | F026M2FA030 | 75 | F026M3BB030 |
| 73 | F026L4CA033 | 74 | F026L4FB033 | 75 | F026M2BD033 | 76 | F026M2FA033 | 75 | F026M3BB033 |
| 73 | F026L4CB001 | 74 | F026L4FD001 | 75 | F026M2CA001 | 76 | F026M2FB001 | 75 | F026M3BD001 |
| 73 | F026L4CB006 | 74 | F026L4FD006 | 75 | F026M2CA006 | 76 | F026M2FB006 | 75 | F026M3BD006 |
| 73 | F026L4CB012 | 74 | F026L4FD012 | 75 | F026M2CA012 | 76 | F026M2FB012 | 75 | F026M3BD012 |
| 73 | F026L4CB018 | 74 | F026L4FD018 | 75 | F026M2CA018 | 76 | F026M2FB018 | 75 | F026M3BD018 |
| 73 | F026L4CB030 | 74 | F026L4FD030 | 75 | F026M2CA030 | 76 | F026M2FB030 | 75 | F026M3BD030 |
| 73 | F026L4CB033 | 74 | F026L4FD033 | 75 | F026M2CA033 | 76 | F026M2FB033 | 75 | F026M3BD033 |
| 73 | F026L4CD001 | 74 | F026L4GA001 | 75 | F026M2CB001 | 76 | F026M2FD001 | 75 | F026M3CA001 |
| 73 | F026L4CD006 | 74 | F026L4GA006 | 75 | F026M2CB006 | 76 | F026M2FD006 | 75 | F026M3CA006 |
| 73 | F026L4CD012 | 74 | F026L4GA012 | 75 | F026M2CB012 | 76 | F026M2FD012 | 75 | F026M3CA012 |
| 73 | F026L4CD018 | 74 | F026L4GA018 | 75 | F026M2CB018 | 76 | F026M2FD018 | 75 | F026M3CA018 |
| 73 | F026L4CD030 | 74 | F026L4GA030 | 75 | F026M2CB030 | 76 | F026M2FD030 | 75 | F026M3CA030 |
| 73 | F026L4CD033 | 74 | F026L4GA033 | 75 | F026M2CB033 | 76 | F026M2FD033 | 75 | F026M3CA033 |

| Page | Reference | Page | Reference | Page | Reference | Page | Reference | Page | Reference |
|---|---|---|---|---|---|---|---|---|---|
| 75 | F026M3CB001 | 76 | F026M3FD001 | 75 | F026M4CA001 | 76 | F026M4FB001 | 97 | F026Q2BD001.A |
| 75 | F026M3CB006 | 76 | F026M3FD006 | 75 | F026M4CA006 | 76 | F026M4FB006 | 97 | F026Q2BD006.A |
| 75 | F026M3CB012 | 76 | F026M3FD012 | 75 | F026M4CA012 | 76 | F026M4FB012 | 97 | F026Q2BD012.A |
| 75 | F026M3CB018 | 76 | F026M3FD018 | 75 | F026M4CA018 | 76 | F026M4FB018 | 97 | F026Q2BD018.A |
| 75 | F026M3CB030 | 76 | F026M3FD030 | 75 | F026M4CA030 | 76 | F026M4FB030 | 97 | F026Q2BD030.A |
| 75 | F026M3CB033 | 76 | F026M3FD033 | 75 | F026M4CA033 | 76 | F026M4FB033 | 97 | F026Q2BD033.A |
| 75 | F026M3CD001 | 77 | F026M3GA001 | 75 | F026M4CB001 | 76 | F026M4FD001 | 97 | F026Q2CA001.A |
| 75 | F026M3CD006 | 77 | F026M3GA006 | 75 | F026M4CB006 | 76 | F026M4FD006 | 97 | F026Q2CA006.A |
| 75 | F026M3CD012 | 77 | F026M3GA012 | 75 | F026M4CB012 | 76 | F026M4FD012 | 97 | F026Q2CA012.A |
| 75 | F026M3CD018 | 77 | F026M3GA018 | 75 | F026M4CB018 | 76 | F026M4FD018 | 97 | F026Q2CA018.A |
| 75 | F026M3CD030 | 77 | F026M3GA030 | 75 | F026M4CB030 | 76 | F026M4FD030 | 97 | F026Q2CA030.A |
| 75 | F026M3CD033 | 77 | F026M3GA033 | 75 | F026M4CB033 | 76 | F026M4FD033 | 97 | F026Q2CA033.A |
| 76 | F026M3DA001 | 77 | F026M3GB001 | 75 | F026M4CD001 | 77 | F026M4GA001 | 97 | F026Q2CB001.A |
| 76 | F026M3DA006 | 77 | F026M3GB006 | 75 | F026M4CD006 | 77 | F026M4GA006 | 97 | F026Q2CB006.A |
| 76 | F026M3DA012 | 77 | F026M3GB012 | 75 | F026M4CD012 | 77 | F026M4GA012 | 97 | F026Q2CB012.A |
| 76 | F026M3DA018 | 77 | F026M3GB018 | 75 | F026M4CD018 | 77 | F026M4GA018 | 97 | F026Q2CB018.A |
| 76 | F026M3DA030 | 77 | F026M3GB030 | 75 | F026M4CD030 | 77 | F026M4GA030 | 97 | F026Q2CB030.A |
| 76 | F026M3DA033 | 77 | F026M3GB033 | 75 | F026M4CD033 | 77 | F026M4GA033 | 97 | F026Q2CB033.A |
| 76 | F026M3DB001 | 77 | F026M3GD001 | 76 | F026M4DA001 | 77 | F026M4GB001 | 97 | F026Q2CD001.A |
| 76 | F026M3DB006 | 77 | F026M3GD006 | 76 | F026M4DA006 | 77 | F026M4GB006 | 97 | F026Q2CD006.A |
| 76 | F026M3DB012 | 77 | F026M3GD012 | 76 | F026M4DA012 | 77 | F026M4GB012 | 97 | F026Q2CD012.A |
| 76 | F026M3DB018 | 77 | F026M3GD018 | 76 | F026M4DA018 | 77 | F026M4GB018 | 97 | F026Q2CD018.A |
| 76 | F026M3DB030 | 77 | F026M3GD030 | 76 | F026M4DA030 | 77 | F026M4GB030 | 97 | F026Q2CD030.A |
| 76 | F026M3DB033 | 77 | F026M3GD033 | 76 | F026M4DA033 | 77 | F026M4GB033 | 97 | F026Q2CD033.A |
| 76 | F026M3DD001 | 77 | F026M3HA001 | 76 | F026M4DB001 | 77 | F026M4GD001 | 97 | F026Q3BA001.A |
| 76 | F026M3DD006 | 77 | F026M3HA006 | 76 | F026M4DB006 | 77 | F026M4GD006 | 97 | F026Q3BA006.A |
| 76 | F026M3DD012 | 77 | F026M3HA012 | 76 | F026M4DB012 | 77 | F026M4GD012 | 97 | F026Q3BA012.A |
| 76 | F026M3DD018 | 77 | F026M3HA018 | 76 | F026M4DB018 | 77 | F026M4GD018 | 97 | F026Q3BA018.A |
| 76 | F026M3DD030 | 77 | F026M3HA030 | 76 | F026M4DB030 | 77 | F026M4GD030 | 97 | F026Q3BA030.A |
| 76 | F026M3DD033 | 77 | F026M3HA033 | 76 | F026M4DB033 | 77 | F026M4GD033 | 97 | F026Q3BA033.A |
| 76 | F026M3EA001 | 77 | F026M3HB001 | 76 | F026M4DD001 | 77 | F026M4HA001 | 97 | F026Q3BB001.A |
| 76 | F026M3EA006 | 77 | F026M3HB006 | 76 | F026M4DD006 | 77 | F026M4HA006 | 97 | F026Q3BB006.A |
| 76 | F026M3EA012 | 77 | F026M3HB012 | 76 | F026M4DD012 | 77 | F026M4HA012 | 97 | F026Q3BB012.A |
| 76 | F026M3EA018 | 77 | F026M3HB018 | 76 | F026M4DD018 | 77 | F026M4HA018 | 97 | F026Q3BB018.A |
| 76 | F026M3EA030 | 77 | F026M3HB030 | 76 | F026M4DD030 | 77 | F026M4HA030 | 97 | F026Q3BB030.A |
| 76 | F026M3EA033 | 77 | F026M3HB033 | 76 | F026M4DD033 | 77 | F026M4HA033 | 97 | F026Q3BB033.A |
| 76 | F026M3EB001 | 77 | F026M3HD001 | 76 | F026M4EA001 | 77 | F026M4HB001 | 97 | F026Q3BD001.A |
| 76 | F026M3EB006 | 77 | F026M3HD006 | 76 | F026M4EA006 | 77 | F026M4HB006 | 97 | F026Q3BD006.A |
| 76 | F026M3EB012 | 77 | F026M3HD012 | 76 | F026M4EA012 | 77 | F026M4HB012 | 97 | F026Q3BD012.A |
| 76 | F026M3EB018 | 77 | F026M3HD018 | 76 | F026M4EA018 | 77 | F026M4HB018 | 97 | F026Q3BD018.A |
| 76 | F026M3EB030 | 77 | F026M3HD030 | 76 | F026M4EA030 | 77 | F026M4HB030 | 97 | F026Q3BD030.A |
| 76 | F026M3EB033 | 77 | F026M3HD033 | 76 | F026M4EA033 | 77 | F026M4HB033 | 97 | F026Q3BD033.A |
| 76 | F026M3ED001 | 75 | F026M4BA001 | 76 | F026M4EB001 | 77 | F026M4HD001 | 97 | F026Q3CA001.A |
| 76 | F026M3ED006 | 75 | F026M4BA006 | 76 | F026M4EB006 | 77 | F026M4HD006 | 97 | F026Q3CA006.A |
| 76 | F026M3ED012 | 75 | F026M4BA012 | 76 | F026M4EB012 | 77 | F026M4HD012 | 97 | F026Q3CA012.A |
| 76 | F026M3ED018 | 75 | F026M4BA018 | 76 | F026M4EB018 | 77 | F026M4HD018 | 97 | F026Q3CA018.A |
| 76 | F026M3ED030 | 75 | F026M4BA030 | 76 | F026M4EB030 | 77 | F026M4HD030 | 97 | F026Q3CA030.A |
| 76 | F026M3ED033 | 75 | F026M4BA033 | 76 | F026M4EB033 | 77 | F026M4HD033 | 97 | F026Q3CA033.A |
| 76 | F026M3FA001 | 75 | F026M4BB001 | 76 | F026M4ED001 | 97 | F026Q2BA001.A | 97 | F026Q3CB001.A |
| 76 | F026M3FA006 | 75 | F026M4BB006 | 76 | F026M4ED006 | 97 | F026Q2BA006.A | 97 | F026Q3CB006.A |
| 76 | F026M3FA012 | 75 | F026M4BB012 | 76 | F026M4ED012 | 97 | F026Q2BA012.A | 97 | F026Q3CB012.A |
| 76 | F026M3FA018 | 75 | F026M4BB018 | 76 | F026M4ED018 | 97 | F026Q2BA018.A | 97 | F026Q3CB018.A |
| 76 | F026M3FA030 | 75 | F026M4BB030 | 76 | F026M4ED030 | 97 | F026Q2BA030.A | 97 | F026Q3CB030.A |
| 76 | F026M3FA033 | 75 | F026M4BB033 | 76 | F026M4ED033 | 97 | F026Q2BA033.A | 97 | F026Q3CB033.A |
| 76 | F026M3FB001 | 75 | F026M4BD001 | 76 | F026M4FA001 | 97 | F026Q2BB001.A | 97 | F026Q3CD001.A |
| 76 | F026M3FB006 | 75 | F026M4BD006 | 76 | F026M4FA006 | 97 | F026Q2BB006.A | 97 | F026Q3CD006.A |
| 76 | F026M3FB012 | 75 | F026M4BD012 | 76 | F026M4FA012 | 97 | F026Q2BB012.A | 97 | F026Q3CD012.A |
| 76 | F026M3FB018 | 75 | F026M4BD018 | 76 | F026M4FA018 | 97 | F026Q2BB018.A | 97 | F026Q3CD018.A |
| 76 | F026M3FB030 | 75 | F026M4BD030 | 76 | F026M4FA030 | 97 | F026Q2BB030.A | 97 | F026Q3CD030.A |
| 76 | F026M3FB033 | 75 | F026M4BD033 | 76 | F026M4FA033 | 97 | F026Q2BB033.A | 97 | F026Q3CD033.A |

| Page | Reference | Page | Reference | Page | Reference | Page | Reference | Page | Reference |
|---|---|---|---|---|---|---|---|---|---|
| 97 | F026Q4BA001.A | 114 | F026R2BB001 | 115 | F026R2ED001 | 114 | F026R3AA001 | 115 | F026R3DB001 |
| 97 | F026Q4BA006.A | 114 | F026R2BB006 | 115 | F026R2ED006 | 114 | F026R3AA006 | 115 | F026R3DB006 |
| 97 | F026Q4BA012.A | 114 | F026R2BB012 | 115 | F026R2ED012 | 114 | F026R3AA012 | 115 | F026R3DB012 |
| 97 | F026Q4BA018.A | 114 | F026R2BB018 | 115 | F026R2ED018 | 114 | F026R3AA018 | 115 | F026R3DB018 |
| 97 | F026Q4BA030.A | 114 | F026R2BB030 | 115 | F026R2ED030 | 114 | F026R3AA030 | 115 | F026R3DB030 |
| 97 | F026Q4BA033.A | 114 | F026R2BB033 | 115 | F026R2ED033 | 114 | F026R3AA033 | 115 | F026R3DB033 |
| 97 | F026Q4BB001.A | 114 | F026R2BD001 | 116 | F026R2FA001 | 114 | F026R3AB001 | 115 | F026R3DD001 |
| 97 | F026Q4BB006.A | 114 | F026R2BD006 | 116 | F026R2FA006 | 114 | F026R3AB006 | 115 | F026R3DD006 |
| 97 | F026Q4BB012.A | 114 | F026R2BD012 | 116 | F026R2FA012 | 114 | F026R3AB012 | 115 | F026R3DD012 |
| 97 | F026Q4BB018.A | 114 | F026R2BD018 | 116 | F026R2FA018 | 114 | F026R3AB018 | 115 | F026R3DD018 |
| 97 | F026Q4BB030.A | 114 | F026R2BD030 | 116 | F026R2FA030 | 114 | F026R3AB030 | 115 | F026R3DD030 |
| 97 | F026Q4BB033.A | 114 | F026R2BD033 | 116 | F026R2FA033 | 114 | F026R3AB033 | 115 | F026R3DD033 |
| 97 | F026Q4BD001.A | 115 | F026R2CA001 | 116 | F026R2FB001 | 114 | F026R3AD001 | 115 | F026R3EA001 |
| 97 | F026Q4BD006.A | 115 | F026R2CA006 | 116 | F026R2FB006 | 114 | F026R3AD006 | 115 | F026R3EA006 |
| 97 | F026Q4BD012.A | 115 | F026R2CA012 | 116 | F026R2FB012 | 114 | F026R3AD012 | 115 | F026R3EA012 |
| 97 | F026Q4BD018.A | 115 | F026R2CA018 | 116 | F026R2FB018 | 114 | F026R3AD018 | 115 | F026R3EA018 |
| 97 | F026Q4BD030.A | 115 | F026R2CA030 | 116 | F026R2FB030 | 114 | F026R3AD030 | 115 | F026R3EA030 |
| 97 | F026Q4BD033.A | 115 | F026R2CA033 | 116 | F026R2FB033 | 114 | F026R3AD033 | 115 | F026R3EA033 |
| 97 | F026Q4CA001.A | 115 | F026R2CB001 | 116 | F026R2FD001 | 114 | F026R3BA001 | 115 | F026R3EB001 |
| 97 | F026Q4CA006.A | 115 | F026R2CB006 | 116 | F026R2FD006 | 114 | F026R3BA006 | 115 | F026R3EB006 |
| 97 | F026Q4CA012.A | 115 | F026R2CB012 | 116 | F026R2FD012 | 114 | F026R3BA012 | 115 | F026R3EB012 |
| 97 | F026Q4CA018.A | 115 | F026R2CB018 | 116 | F026R2FD018 | 114 | F026R3BA018 | 115 | F026R3EB018 |
| 97 | F026Q4CA030.A | 115 | F026R2CB030 | 116 | F026R2FD030 | 114 | F026R3BA030 | 115 | F026R3EB030 |
| 97 | F026Q4CA033.A | 115 | F026R2CB033 | 116 | F026R2FD033 | 114 | F026R3BA033 | 115 | F026R3EB033 |
| 97 | F026Q4CB001.A | 115 | F026R2CD001 | 116 | F026R2GA001 | 114 | F026R3BB001 | 115 | F026R3ED001 |
| 97 | F026Q4CB006.A | 115 | F026R2CD006 | 116 | F026R2GA006 | 114 | F026R3BB006 | 115 | F026R3ED006 |
| 97 | F026Q4CB012.A | 115 | F026R2CD012 | 116 | F026R2GA012 | 114 | F026R3BB012 | 115 | F026R3ED012 |
| 97 | F026Q4CB018.A | 115 | F026R2CD018 | 116 | F026R2GA018 | 114 | F026R3BB018 | 115 | F026R3ED018 |
| 97 | F026Q4CB030.A | 115 | F026R2CD030 | 116 | F026R2GA030 | 114 | F026R3BB030 | 115 | F026R3ED030 |
| 97 | F026Q4CB033.A | 115 | F026R2CD033 | 116 | F026R2GA033 | 114 | F026R3BB033 | 115 | F026R3ED033 |
| 97 | F026Q4CD001.A | 115 | F026R2DA001 | 116 | F026R2GB001 | 114 | F026R3BD001 | 116 | F026R3FA001 |
| 97 | F026Q4CD006.A | 115 | F026R2DA006 | 116 | F026R2GB006 | 114 | F026R3BD006 | 116 | F026R3FA006 |
| 97 | F026Q4CD012.A | 115 | F026R2DA012 | 116 | F026R2GB012 | 114 | F026R3BD012 | 116 | F026R3FA012 |
| 97 | F026Q4CD018.A | 115 | F026R2DA018 | 116 | F026R2GB018 | 114 | F026R3BD018 | 116 | F026R3FA018 |
| 97 | F026Q4CD030.A | 115 | F026R2DA030 | 116 | F026R2GB030 | 114 | F026R3BD030 | 116 | F026R3FA030 |
| 97 | F026Q4CD033.A | 115 | F026R2DA033 | 116 | F026R2GB033 | 114 | F026R3BD033 | 116 | F026R3FA033 |
| 114 | F026R2AA001 | 115 | F026R2DB001 | 116 | F026R2GD001 | 115 | F026R3CA001 | 116 | F026R3FB001 |
| 114 | F026R2AA006 | 115 | F026R2DB006 | 116 | F026R2GD006 | 115 | F026R3CA006 | 116 | F026R3FB006 |
| 114 | F026R2AA012 | 115 | F026R2DB012 | 116 | F026R2GD012 | 115 | F026R3CA012 | 116 | F026R3FB012 |
| 114 | F026R2AA018 | 115 | F026R2DB018 | 116 | F026R2GD018 | 115 | F026R3CA018 | 116 | F026R3FB018 |
| 114 | F026R2AA030 | 115 | F026R2DB030 | 116 | F026R2GD030 | 115 | F026R3CA030 | 116 | F026R3FB030 |
| 114 | F026R2AA033 | 115 | F026R2DB033 | 116 | F026R2GD033 | 115 | F026R3CA033 | 116 | F026R3FB033 |
| 114 | F026R2AB001 | 115 | F026R2DD001 | 116 | F026R2HA001 | 115 | F026R3CB001 | 116 | F026R3FD001 |
| 114 | F026R2AB006 | 115 | F026R2DD006 | 116 | F026R2HA006 | 115 | F026R3CB006 | 116 | F026R3FD006 |
| 114 | F026R2AB012 | 115 | F026R2DD012 | 116 | F026R2HA012 | 115 | F026R3CB012 | 116 | F026R3FD012 |
| 114 | F026R2AB018 | 115 | F026R2DD018 | 116 | F026R2HA018 | 115 | F026R3CB018 | 116 | F026R3FD018 |
| 114 | F026R2AB030 | 115 | F026R2DD030 | 116 | F026R2HA030 | 115 | F026R3CB030 | 116 | F026R3FD030 |
| 114 | F026R2AB033 | 115 | F026R2DD033 | 116 | F026R2HA033 | 115 | F026R3CB033 | 116 | F026R3FD033 |
| 114 | F026R2AD001 | 115 | F026R2EA001 | 116 | F026R2HB001 | 115 | F026R3CD001 | 116 | F026R3GA001 |
| 114 | F026R2AD006 | 115 | F026R2EA006 | 116 | F026R2HB006 | 115 | F026R3CD006 | 116 | F026R3GA006 |
| 114 | F026R2AD012 | 115 | F026R2EA012 | 116 | F026R2HB012 | 115 | F026R3CD012 | 116 | F026R3GA012 |
| 114 | F026R2AD018 | 115 | F026R2EA018 | 116 | F026R2HB018 | 115 | F026R3CD018 | 116 | F026R3GA018 |
| 114 | F026R2AD030 | 115 | F026R2EA030 | 116 | F026R2HB030 | 115 | F026R3CD030 | 116 | F026R3GA030 |
| 114 | F026R2AD033 | 115 | F026R2EA033 | 116 | F026R2HB033 | 115 | F026R3CD033 | 116 | F026R3GA033 |
| 114 | F026R2BA001 | 115 | F026R2EB001 | 116 | F026R2HD001 | 115 | F026R3DA001 | 116 | F026R3GB001 |
| 114 | F026R2BA006 | 115 | F026R2EB006 | 116 | F026R2HD006 | 115 | F026R3DA006 | 116 | F026R3GB006 |
| 114 | F026R2BA012 | 115 | F026R2EB012 | 116 | F026R2HD012 | 115 | F026R3DA012 | 116 | F026R3GB012 |
| 114 | F026R2BA018 | 115 | F026R2EB018 | 116 | F026R2HD018 | 115 | F026R3DA018 | 116 | F026R3GB018 |
| 114 | F026R2BA030 | 115 | F026R2EB030 | 116 | F026R2HD030 | 115 | F026R3DA030 | 116 | F026R3GB030 |
| 114 | F026R2BA033 | 115 | F026R2EB033 | 116 | F026R2HD033 | 115 | F026R3DA033 | 116 | F026R3GB033 |

| Page | Reference | Page | Reference | Page | Reference | Page | Reference | Page | Reference |
|---|---|---|---|---|---|---|---|---|---|
| 116 | F026R3GD001 | 115 | F026R4CA001 | 116 | F026R4FB001 | 117 | F026S2BD001 | 118 | F026S2FA001 |
| 116 | F026R3GD006 | 115 | F026R4CA006 | 116 | F026R4FB006 | 117 | F026S2BD006 | 118 | F026S2FA006 |
| 116 | F026R3GD012 | 115 | F026R4CA012 | 116 | F026R4FB012 | 117 | F026S2BD012 | 118 | F026S2FA012 |
| 116 | F026R3GD018 | 115 | F026R4CA018 | 116 | F026R4FB018 | 117 | F026S2BD018 | 118 | F026S2FA018 |
| 116 | F026R3GD030 | 115 | F026R4CA030 | 116 | F026R4FB030 | 117 | F026S2BD030 | 118 | F026S2FA030 |
| 116 | F026R3GD033 | 115 | F026R4CA033 | 116 | F026R4FB033 | 117 | F026S2BD033 | 118 | F026S2FA033 |
| 116 | F026R3HA001 | 115 | F026R4CB001 | 116 | F026R4FD001 | 117 | F026S2CA001 | 118 | F026S2FB001 |
| 116 | F026R3HA006 | 115 | F026R4CB006 | 116 | F026R4FD006 | 117 | F026S2CA006 | 118 | F026S2FB006 |
| 116 | F026R3HA012 | 115 | F026R4CB012 | 116 | F026R4FD012 | 117 | F026S2CA012 | 118 | F026S2FB012 |
| 116 | F026R3HA018 | 115 | F026R4CB018 | 116 | F026R4FD018 | 117 | F026S2CA018 | 118 | F026S2FB018 |
| 116 | F026R3HA030 | 115 | F026R4CB030 | 116 | F026R4FD030 | 117 | F026S2CA030 | 118 | F026S2FB030 |
| 116 | F026R3HA033 | 115 | F026R4CB033 | 116 | F026R4FD033 | 117 | F026S2CA033 | 118 | F026S2FB033 |
| 116 | F026R3HB001 | 115 | F026R4CD001 | 116 | F026R4GA001 | 117 | F026S2CB001 | 118 | F026S2FD001 |
| 116 | F026R3HB006 | 115 | F026R4CD006 | 116 | F026R4GA006 | 117 | F026S2CB006 | 118 | F026S2FD006 |
| 116 | F026R3HB012 | 115 | F026R4CD012 | 116 | F026R4GA012 | 117 | F026S2CB012 | 118 | F026S2FD012 |
| 116 | F026R3HB018 | 115 | F026R4CD018 | 116 | F026R4GA018 | 117 | F026S2CB018 | 118 | F026S2FD018 |
| 116 | F026R3HB030 | 115 | F026R4CD030 | 116 | F026R4GA030 | 117 | F026S2CB030 | 118 | F026S2FD030 |
| 116 | F026R3HB033 | 115 | F026R4CD033 | 116 | F026R4GA033 | 117 | F026S2CB033 | 118 | F026S2FD033 |
| 116 | F026R3HD001 | 115 | F026R4DA001 | 116 | F026R4GB001 | 117 | F026S2CD001 | 119 | F026S2GA001 |
| 116 | F026R3HD006 | 115 | F026R4DA006 | 116 | F026R4GB006 | 117 | F026S2CD006 | 119 | F026S2GA006 |
| 116 | F026R3HD012 | 115 | F026R4DA012 | 116 | F026R4GB012 | 117 | F026S2CD012 | 119 | F026S2GA012 |
| 116 | F026R3HD018 | 115 | F026R4DA018 | 116 | F026R4GB018 | 117 | F026S2CD018 | 119 | F026S2GA018 |
| 116 | F026R3HD030 | 115 | F026R4DA030 | 116 | F026R4GB030 | 117 | F026S2CD030 | 119 | F026S2GA030 |
| 116 | F026R3HD033 | 115 | F026R4DA033 | 116 | F026R4GB033 | 117 | F026S2CD033 | 119 | F026S2GA033 |
| 114 | F026R4AA001 | 115 | F026R4DB001 | 116 | F026R4GD001 | 118 | F026S2DA001 | 119 | F026S2GB001 |
| 114 | F026R4AA006 | 115 | F026R4DB006 | 116 | F026R4GD006 | 118 | F026S2DA006 | 119 | F026S2GB006 |
| 114 | F026R4AA012 | 115 | F026R4DB012 | 116 | F026R4GD012 | 118 | F026S2DA012 | 119 | F026S2GB012 |
| 114 | F026R4AA018 | 115 | F026R4DB018 | 116 | F026R4GD018 | 118 | F026S2DA018 | 119 | F026S2GB018 |
| 114 | F026R4AA030 | 115 | F026R4DB030 | 116 | F026R4GD030 | 118 | F026S2DA030 | 119 | F026S2GB030 |
| 114 | F026R4AA033 | 115 | F026R4DB033 | 116 | F026R4GD033 | 118 | F026S2DA033 | 119 | F026S2GB033 |
| 114 | F026R4AB001 | 115 | F026R4DD001 | 116 | F026R4HA001 | 118 | F026S2DB001 | 119 | F026S2GD001 |
| 114 | F026R4AB006 | 115 | F026R4DD006 | 116 | F026R4HA006 | 118 | F026S2DB006 | 119 | F026S2GD006 |
| 114 | F026R4AB012 | 115 | F026R4DD012 | 116 | F026R4HA012 | 118 | F026S2DB012 | 119 | F026S2GD012 |
| 114 | F026R4AB018 | 115 | F026R4DD018 | 116 | F026R4HA018 | 118 | F026S2DB018 | 119 | F026S2GD018 |
| 114 | F026R4AB030 | 115 | F026R4DD030 | 116 | F026R4HA030 | 118 | F026S2DB030 | 119 | F026S2GD030 |
| 114 | F026R4AB033 | 115 | F026R4DD033 | 116 | F026R4HA033 | 118 | F026S2DB033 | 119 | F026S2GD033 |
| 114 | F026R4AD001 | 115 | F026R4EA001 | 116 | F026R4HB001 | 118 | F026S2DD001 | 119 | F026S2HA001 |
| 114 | F026R4AD006 | 115 | F026R4EA006 | 116 | F026R4HB006 | 118 | F026S2DD006 | 119 | F026S2HA006 |
| 114 | F026R4AD012 | 115 | F026R4EA012 | 116 | F026R4HB012 | 118 | F026S2DD012 | 119 | F026S2HA012 |
| 114 | F026R4AD018 | 115 | F026R4EA018 | 116 | F026R4HB018 | 118 | F026S2DD018 | 119 | F026S2HA018 |
| 114 | F026R4AD030 | 115 | F026R4EA030 | 116 | F026R4HB030 | 118 | F026S2DD030 | 119 | F026S2HA030 |
| 114 | F026R4AD033 | 115 | F026R4EA033 | 116 | F026R4HB033 | 118 | F026S2DD033 | 119 | F026S2HA033 |
| 114 | F026R4BA001 | 115 | F026R4EB001 | 116 | F026R4HD001 | 118 | F026S2EA001 | 119 | F026S2HB001 |
| 114 | F026R4BA006 | 115 | F026R4EB006 | 116 | F026R4HD006 | 118 | F026S2EA006 | 119 | F026S2HB006 |
| 114 | F026R4BA012 | 115 | F026R4EB012 | 116 | F026R4HD012 | 118 | F026S2EA012 | 119 | F026S2HB012 |
| 114 | F026R4BA018 | 115 | F026R4EB018 | 116 | F026R4HD018 | 118 | F026S2EA018 | 119 | F026S2HB018 |
| 114 | F026R4BA030 | 115 | F026R4EB030 | 116 | F026R4HD030 | 118 | F026S2EA030 | 119 | F026S2HB030 |
| 114 | F026R4BA033 | 115 | F026R4EB033 | 116 | F026R4HD033 | 118 | F026S2EA033 | 119 | F026S2HB033 |
| 114 | F026R4BB001 | 115 | F026R4ED001 | 117 | F026S2BA001 | 118 | F026S2EB001 | 119 | F026S2HD001 |
| 114 | F026R4BB006 | 115 | F026R4ED006 | 117 | F026S2BA006 | 118 | F026S2EB006 | 119 | F026S2HD006 |
| 114 | F026R4BB012 | 115 | F026R4ED012 | 117 | F026S2BA012 | 118 | F026S2EB012 | 119 | F026S2HD012 |
| 114 | F026R4BB018 | 115 | F026R4ED018 | 117 | F026S2BA018 | 118 | F026S2EB018 | 119 | F026S2HD018 |
| 114 | F026R4BB030 | 115 | F026R4ED030 | 117 | F026S2BA030 | 118 | F026S2EB030 | 119 | F026S2HD030 |
| 114 | F026R4BB033 | 115 | F026R4ED033 | 117 | F026S2BA033 | 118 | F026S2EB033 | 119 | F026S2HD033 |
| 114 | F026R4BD001 | 116 | F026R4FA001 | 117 | F026S2BB001 | 118 | F026S2ED001 | 117 | F026S3BA001 |
| 114 | F026R4BD006 | 116 | F026R4FA006 | 117 | F026S2BB006 | 118 | F026S2ED006 | 117 | F026S3BA006 |
| 114 | F026R4BD012 | 116 | F026R4FA012 | 117 | F026S2BB012 | 118 | F026S2ED012 | 117 | F026S3BA012 |
| 114 | F026R4BD018 | 116 | F026R4FA018 | 117 | F026S2BB018 | 118 | F026S2ED018 | 117 | F026S3BA018 |
| 114 | F026R4BD030 | 116 | F026R4FA030 | 117 | F026S2BB030 | 118 | F026S2ED030 | 117 | F026S3BA030 |
| 114 | F026R4BD033 | 116 | F026R4FA033 | 117 | F026S2BB033 | 118 | F026S2ED033 | 117 | F026S3BA033 |

| Page | Reference | Page | Reference | Page | Reference | Page | Reference | Page | Reference |
|---|---|---|---|---|---|---|---|---|---|
| 117 | F026S3BB001 | 118 | F026S3ED001 | 117 | F026S4BA001 | 118 | F026S4EB001 | 119 | F026S4HD001 |
| 117 | F026S3BB006 | 118 | F026S3ED006 | 117 | F026S4BA006 | 118 | F026S4EB006 | 119 | F026S4HD006 |
| 117 | F026S3BB012 | 118 | F026S3ED012 | 117 | F026S4BA012 | 118 | F026S4EB012 | 119 | F026S4HD012 |
| 117 | F026S3BB018 | 118 | F026S3ED018 | 117 | F026S4BA018 | 118 | F026S4EB018 | 119 | F026S4HD018 |
| 117 | F026S3BB030 | 118 | F026S3ED030 | 117 | F026S4BA030 | 118 | F026S4EB030 | 119 | F026S4HD030 |
| 117 | F026S3BB033 | 118 | F026S3ED033 | 117 | F026S4BA033 | 118 | F026S4EB033 | 119 | F026S4HD033 |
| 117 | F026S3BD001 | 118 | F026S3FA001 | 117 | F026S4BB001 | 118 | F026S4ED001 | 102 | F026V2AA001 |
| 117 | F026S3BD006 | 118 | F026S3FA006 | 117 | F026S4BB006 | 118 | F026S4ED006 | 102 | F026V2AA006 |
| 117 | F026S3BD012 | 118 | F026S3FA012 | 117 | F026S4BB012 | 118 | F026S4ED012 | 102 | F026V2AA012 |
| 117 | F026S3BD018 | 118 | F026S3FA018 | 117 | F026S4BB018 | 118 | F026S4ED018 | 102 | F026V2AA018 |
| 117 | F026S3BD030 | 118 | F026S3FA030 | 117 | F026S4BB030 | 118 | F026S4ED030 | 102 | F026V2AA030 |
| 117 | F026S3BD033 | 118 | F026S3FA033 | 117 | F026S4BB033 | 118 | F026S4ED033 | 102 | F026V2AA033 |
| 117 | F026S3CA001 | 118 | F026S3FB001 | 117 | F026S4BD001 | 118 | F026S4FA001 | 102 | F026V2AB001 |
| 117 | F026S3CA006 | 118 | F026S3FB006 | 117 | F026S4BD006 | 118 | F026S4FA006 | 102 | F026V2AB006 |
| 117 | F026S3CA012 | 118 | F026S3FB012 | 117 | F026S4BD012 | 118 | F026S4FA012 | 102 | F026V2AB012 |
| 117 | F026S3CA018 | 118 | F026S3FB018 | 117 | F026S4BD018 | 118 | F026S4FA018 | 102 | F026V2AB018 |
| 117 | F026S3CA030 | 118 | F026S3FB030 | 117 | F026S4BD030 | 118 | F026S4FA030 | 102 | F026V2AB030 |
| 117 | F026S3CA033 | 118 | F026S3FB033 | 117 | F026S4BD033 | 118 | F026S4FA033 | 102 | F026V2AB033 |
| 117 | F026S3CB001 | 118 | F026S3FD001 | 117 | F026S4CA001 | 118 | F026S4FB001 | 102 | F026V2AD001 |
| 117 | F026S3CB006 | 118 | F026S3FD006 | 117 | F026S4CA006 | 118 | F026S4FB006 | 102 | F026V2AD006 |
| 117 | F026S3CB012 | 118 | F026S3FD012 | 117 | F026S4CA012 | 118 | F026S4FB012 | 102 | F026V2AD012 |
| 117 | F026S3CB018 | 118 | F026S3FD018 | 117 | F026S4CA018 | 118 | F026S4FB018 | 102 | F026V2AD018 |
| 117 | F026S3CB030 | 118 | F026S3FD030 | 117 | F026S4CA030 | 118 | F026S4FB030 | 102 | F026V2AD030 |
| 117 | F026S3CB033 | 118 | F026S3FD033 | 117 | F026S4CA033 | 118 | F026S4FB033 | 102 | F026V2AD033 |
| 117 | F026S3CD001 | 119 | F026S3GA001 | 117 | F026S4CB001 | 118 | F026S4FD001 | 102 | F026V2BA001 |
| 117 | F026S3CD006 | 119 | F026S3GA006 | 117 | F026S4CB006 | 118 | F026S4FD006 | 102 | F026V2BA006 |
| 117 | F026S3CD012 | 119 | F026S3GA012 | 117 | F026S4CB012 | 118 | F026S4FD012 | 102 | F026V2BA012 |
| 117 | F026S3CD018 | 119 | F026S3GA018 | 117 | F026S4CB018 | 118 | F026S4FD018 | 102 | F026V2BA018 |
| 117 | F026S3CD030 | 119 | F026S3GA030 | 117 | F026S4CB030 | 118 | F026S4FD030 | 102 | F026V2BA030 |
| 117 | F026S3CD033 | 119 | F026S3GA033 | 117 | F026S4CB033 | 118 | F026S4FD033 | 102 | F026V2BA033 |
| 118 | F026S3DA001 | 119 | F026S3GB001 | 117 | F026S4CD001 | 119 | F026S4GA001 | 102 | F026V2BB001 |
| 118 | F026S3DA006 | 119 | F026S3GB006 | 117 | F026S4CD006 | 119 | F026S4GA006 | 102 | F026V2BB006 |
| 118 | F026S3DA012 | 119 | F026S3GB012 | 117 | F026S4CD012 | 119 | F026S4GA012 | 102 | F026V2BB012 |
| 118 | F026S3DA018 | 119 | F026S3GB018 | 117 | F026S4CD018 | 119 | F026S4GA018 | 102 | F026V2BB018 |
| 118 | F026S3DA030 | 119 | F026S3GB030 | 117 | F026S4CD030 | 119 | F026S4GA030 | 102 | F026V2BB030 |
| 118 | F026S3DA033 | 119 | F026S3GB033 | 117 | F026S4CD033 | 119 | F026S4GA033 | 102 | F026V2BB033 |
| 118 | F026S3DB001 | 119 | F026S3GD001 | 118 | F026S4DA001 | 119 | F026S4GB001 | 102 | F026V2BD001 |
| 118 | F026S3DB006 | 119 | F026S3GD006 | 118 | F026S4DA006 | 119 | F026S4GB006 | 102 | F026V2BD006 |
| 118 | F026S3DB012 | 119 | F026S3GD012 | 118 | F026S4DA012 | 119 | F026S4GB012 | 102 | F026V2BD012 |
| 118 | F026S3DB018 | 119 | F026S3GD018 | 118 | F026S4DA018 | 119 | F026S4GB018 | 102 | F026V2BD018 |
| 118 | F026S3DB030 | 119 | F026S3GD030 | 118 | F026S4DA030 | 119 | F026S4GB030 | 102 | F026V2BD030 |
| 118 | F026S3DB033 | 119 | F026S3GD033 | 118 | F026S4DA033 | 119 | F026S4GB033 | 102 | F026V2BD033 |
| 118 | F026S3DD001 | 119 | F026S3HA001 | 118 | F026S4DB001 | 119 | F026S4GD001 | 103 | F026V2CA001 |
| 118 | F026S3DD006 | 119 | F026S3HA006 | 118 | F026S4DB006 | 119 | F026S4GD006 | 103 | F026V2CA006 |
| 118 | F026S3DD012 | 119 | F026S3HA012 | 118 | F026S4DB012 | 119 | F026S4GD012 | 103 | F026V2CA012 |
| 118 | F026S3DD018 | 119 | F026S3HA018 | 118 | F026S4DB018 | 119 | F026S4GD018 | 103 | F026V2CA018 |
| 118 | F026S3DD030 | 119 | F026S3HA030 | 118 | F026S4DB030 | 119 | F026S4GD030 | 103 | F026V2CA030 |
| 118 | F026S3DD033 | 119 | F026S3HA033 | 118 | F026S4DB033 | 119 | F026S4GD033 | 103 | F026V2CA033 |
| 118 | F026S3EA001 | 119 | F026S3HB001 | 118 | F026S4DD001 | 119 | F026S4HA001 | 103 | F026V2CB001 |
| 118 | F026S3EA006 | 119 | F026S3HB006 | 118 | F026S4DD006 | 119 | F026S4HA006 | 103 | F026V2CB006 |
| 118 | F026S3EA012 | 119 | F026S3HB012 | 118 | F026S4DD012 | 119 | F026S4HA012 | 103 | F026V2CB012 |
| 118 | F026S3EA018 | 119 | F026S3HB018 | 118 | F026S4DD018 | 119 | F026S4HA018 | 103 | F026V2CB018 |
| 118 | F026S3EA030 | 119 | F026S3HB030 | 118 | F026S4DD030 | 119 | F026S4HA030 | 103 | F026V2CB030 |
| 118 | F026S3EA033 | 119 | F026S3HB033 | 118 | F026S4DD033 | 119 | F026S4HA033 | 103 | F026V2CB033 |
| 118 | F026S3EB001 | 119 | F026S3HD001 | 118 | F026S4EA001 | 119 | F026S4HB001 | 103 | F026V2CD001 |
| 118 | F026S3EB006 | 119 | F026S3HD006 | 118 | F026S4EA006 | 119 | F026S4HB006 | 103 | F026V2CD006 |
| 118 | F026S3EB012 | 119 | F026S3HD012 | 118 | F026S4EA012 | 119 | F026S4HB012 | 103 | F026V2CD012 |
| 118 | F026S3EB018 | 119 | F026S3HD018 | 118 | F026S4EA018 | 119 | F026S4HB018 | 103 | F026V2CD018 |
| 118 | F026S3EB030 | 119 | F026S3HD030 | 118 | F026S4EA030 | 119 | F026S4HB030 | 103 | F026V2CD030 |
| 118 | F026S3EB033 | 119 | F026S3HD033 | 118 | F026S4EA033 | 119 | F026S4HB033 | 103 | F026V2CD033 |

| Page | Reference | Page | Reference | Page | Reference | Page | Reference | Page | Reference |
|---|---|---|---|---|---|---|---|---|---|
| 103 | F026V2DA001 | 104 | F026V2GB001 | 102 | F026V3BD001 | 104 | F026V3FA001 | 102 | F026V4AB001 |
| 103 | F026V2DA006 | 104 | F026V2GB006 | 102 | F026V3BD006 | 104 | F026V3FA006 | 102 | F026V4AB006 |
| 103 | F026V2DA012 | 104 | F026V2GB012 | 102 | F026V3BD012 | 104 | F026V3FA012 | 102 | F026V4AB012 |
| 103 | F026V2DA018 | 104 | F026V2GB018 | 102 | F026V3BD018 | 104 | F026V3FA018 | 102 | F026V4AB018 |
| 103 | F026V2DA030 | 104 | F026V2GB030 | 102 | F026V3BD030 | 104 | F026V3FA030 | 102 | F026V4AB030 |
| 103 | F026V2DA033 | 104 | F026V2GB033 | 102 | F026V3BD033 | 104 | F026V3FA033 | 102 | F026V4AB033 |
| 103 | F026V2DB001 | 104 | F026V2GD001 | 103 | F026V3CA001 | 104 | F026V3FB001 | 102 | F026V4AD001 |
| 103 | F026V2DB006 | 104 | F026V2GD006 | 103 | F026V3CA006 | 104 | F026V3FB006 | 102 | F026V4AD006 |
| 103 | F026V2DB012 | 104 | F026V2GD012 | 103 | F026V3CA012 | 104 | F026V3FB012 | 102 | F026V4AD012 |
| 103 | F026V2DB018 | 104 | F026V2GD018 | 103 | F026V3CA018 | 104 | F026V3FB018 | 102 | F026V4AD018 |
| 103 | F026V2DB030 | 104 | F026V2GD030 | 103 | F026V3CA030 | 104 | F026V3FB030 | 102 | F026V4AD030 |
| 103 | F026V2DB033 | 104 | F026V2GD033 | 103 | F026V3CA033 | 104 | F026V3FB033 | 102 | F026V4AD033 |
| 103 | F026V2DD001 | 104 | F026V2HA001 | 103 | F026V3CB001 | 104 | F026V3FD001 | 102 | F026V4BA001 |
| 103 | F026V2DD006 | 104 | F026V2HA006 | 103 | F026V3CB006 | 104 | F026V3FD006 | 102 | F026V4BA006 |
| 103 | F026V2DD012 | 104 | F026V2HA012 | 103 | F026V3CB012 | 104 | F026V3FD012 | 102 | F026V4BA012 |
| 103 | F026V2DD018 | 104 | F026V2HA018 | 103 | F026V3CB018 | 104 | F026V3FD018 | 102 | F026V4BA018 |
| 103 | F026V2DD030 | 104 | F026V2HA030 | 103 | F026V3CB030 | 104 | F026V3FD030 | 102 | F026V4BA030 |
| 103 | F026V2DD033 | 104 | F026V2HA033 | 103 | F026V3CB033 | 104 | F026V3FD033 | 102 | F026V4BA033 |
| 103 | F026V2EA001 | 104 | F026V2HB001 | 103 | F026V3CD001 | 104 | F026V3GA001 | 102 | F026V4BB001 |
| 103 | F026V2EA006 | 104 | F026V2HB006 | 103 | F026V3CD006 | 104 | F026V3GA006 | 102 | F026V4BB006 |
| 103 | F026V2EA012 | 104 | F026V2HB012 | 103 | F026V3CD012 | 104 | F026V3GA012 | 102 | F026V4BB012 |
| 103 | F026V2EA018 | 104 | F026V2HB018 | 103 | F026V3CD018 | 104 | F026V3GA018 | 102 | F026V4BB018 |
| 103 | F026V2EA030 | 104 | F026V2HB030 | 103 | F026V3CD030 | 104 | F026V3GA030 | 102 | F026V4BB030 |
| 103 | F026V2EA033 | 104 | F026V2HB033 | 103 | F026V3CD033 | 104 | F026V3GA033 | 102 | F026V4BB033 |
| 103 | F026V2EB001 | 104 | F026V2HD001 | 103 | F026V3DA001 | 104 | F026V3GB001 | 102 | F026V4BD001 |
| 103 | F026V2EB006 | 104 | F026V2HD006 | 103 | F026V3DA006 | 104 | F026V3GB006 | 102 | F026V4BD006 |
| 103 | F026V2EB012 | 104 | F026V2HD012 | 103 | F026V3DA012 | 104 | F026V3GB012 | 102 | F026V4BD012 |
| 103 | F026V2EB018 | 104 | F026V2HD018 | 103 | F026V3DA018 | 104 | F026V3GB018 | 102 | F026V4BD018 |
| 103 | F026V2EB030 | 104 | F026V2HD030 | 103 | F026V3DA030 | 104 | F026V3GB030 | 102 | F026V4BD030 |
| 103 | F026V2EB033 | 104 | F026V2HD033 | 103 | F026V3DA033 | 104 | F026V3GB033 | 102 | F026V4BD033 |
| 103 | F026V2ED001 | 102 | F026V3AA001 | 103 | F026V3DB001 | 104 | F026V3GD001 | 103 | F026V4CA001 |
| 103 | F026V2ED006 | 102 | F026V3AA006 | 103 | F026V3DB006 | 104 | F026V3GD006 | 103 | F026V4CA006 |
| 103 | F026V2ED012 | 102 | F026V3AA012 | 103 | F026V3DB012 | 104 | F026V3GD012 | 103 | F026V4CA012 |
| 103 | F026V2ED018 | 102 | F026V3AA018 | 103 | F026V3DB018 | 104 | F026V3GD018 | 103 | F026V4CA018 |
| 103 | F026V2ED030 | 102 | F026V3AA030 | 103 | F026V3DB030 | 104 | F026V3GD030 | 103 | F026V4CA030 |
| 103 | F026V2ED033 | 102 | F026V3AA033 | 103 | F026V3DB033 | 104 | F026V3GD033 | 103 | F026V4CA033 |
| 104 | F026V2FA001 | 102 | F026V3AB001 | 103 | F026V3DD001 | 104 | F026V3HA001 | 103 | F026V4CB001 |
| 104 | F026V2FA006 | 102 | F026V3AB006 | 103 | F026V3DD006 | 104 | F026V3HA006 | 103 | F026V4CB006 |
| 104 | F026V2FA012 | 102 | F026V3AB012 | 103 | F026V3DD012 | 104 | F026V3HA012 | 103 | F026V4CB012 |
| 104 | F026V2FA018 | 102 | F026V3AB018 | 103 | F026V3DD018 | 104 | F026V3HA018 | 103 | F026V4CB018 |
| 104 | F026V2FA030 | 102 | F026V3AB030 | 103 | F026V3DD030 | 104 | F026V3HA030 | 103 | F026V4CB030 |
| 104 | F026V2FA033 | 102 | F026V3AB033 | 103 | F026V3DD033 | 104 | F026V3HA033 | 103 | F026V4CB033 |
| 104 | F026V2FB001 | 102 | F026V3AD001 | 103 | F026V3EA001 | 104 | F026V3HB001 | 103 | F026V4CD001 |
| 104 | F026V2FB006 | 102 | F026V3AD006 | 103 | F026V3EA006 | 104 | F026V3HB006 | 103 | F026V4CD006 |
| 104 | F026V2FB012 | 102 | F026V3AD012 | 103 | F026V3EA012 | 104 | F026V3HB012 | 103 | F026V4CD012 |
| 104 | F026V2FB018 | 102 | F026V3AD018 | 103 | F026V3EA018 | 104 | F026V3HB018 | 103 | F026V4CD018 |
| 104 | F026V2FB030 | 102 | F026V3AD030 | 103 | F026V3EA030 | 104 | F026V3HB030 | 103 | F026V4CD030 |
| 104 | F026V2FB033 | 102 | F026V3AD033 | 103 | F026V3EA033 | 104 | F026V3HB033 | 103 | F026V4CD033 |
| 104 | F026V2FD001 | 102 | F026V3BA001 | 103 | F026V3EB001 | 104 | F026V3HD001 | 103 | F026V4DA001 |
| 104 | F026V2FD006 | 102 | F026V3BA006 | 103 | F026V3EB006 | 104 | F026V3HD006 | 103 | F026V4DA006 |
| 104 | F026V2FD012 | 102 | F026V3BA012 | 103 | F026V3EB012 | 104 | F026V3HD012 | 103 | F026V4DA012 |
| 104 | F026V2FD018 | 102 | F026V3BA018 | 103 | F026V3EB018 | 104 | F026V3HD018 | 103 | F026V4DA018 |
| 104 | F026V2FD030 | 102 | F026V3BA030 | 103 | F026V3EB030 | 104 | F026V3HD030 | 103 | F026V4DA030 |
| 104 | F026V2FD033 | 102 | F026V3BA033 | 103 | F026V3EB033 | 104 | F026V3HD033 | 103 | F026V4DA033 |
| 104 | F026V2GA001 | 102 | F026V3BB001 | 103 | F026V3ED001 | 102 | F026V4AA001 | 103 | F026V4DB001 |
| 104 | F026V2GA006 | 102 | F026V3BB006 | 103 | F026V3ED006 | 102 | F026V4AA006 | 103 | F026V4DB006 |
| 104 | F026V2GA012 | 102 | F026V3BB012 | 103 | F026V3ED012 | 102 | F026V4AA012 | 103 | F026V4DB012 |
| 104 | F026V2GA018 | 102 | F026V3BB018 | 103 | F026V3ED018 | 102 | F026V4AA018 | 103 | F026V4DB018 |
| 104 | F026V2GA030 | 102 | F026V3BB030 | 103 | F026V3ED030 | 102 | F026V4AA030 | 103 | F026V4DB030 |
| 104 | F026V2GA033 | 102 | F026V3BB033 | 103 | F026V3ED033 | 102 | F026V4AA033 | 103 | F026V4DB033 |

| Page | Reference | Page | Reference | Page | Reference | Page | Reference | Page | Reference |
|---|---|---|---|---|---|---|---|---|---|
| 103 | F026V4DD001 | 104 | F026V4HA001 | 106 | F026W2DB001 | 107 | F026W2GD001 | 106 | F026W3DA001 |
| 103 | F026V4DD006 | 104 | F026V4HA006 | 106 | F026W2DB006 | 107 | F026W2GD006 | 106 | F026W3DA006 |
| 103 | F026V4DD012 | 104 | F026V4HA012 | 106 | F026W2DB012 | 107 | F026W2GD012 | 106 | F026W3DA012 |
| 103 | F026V4DD018 | 104 | F026V4HA018 | 106 | F026W2DB018 | 107 | F026W2GD018 | 106 | F026W3DA018 |
| 103 | F026V4DD030 | 104 | F026V4HA030 | 106 | F026W2DB030 | 107 | F026W2GD030 | 106 | F026W3DA030 |
| 103 | F026V4DD033 | 104 | F026V4HA033 | 106 | F026W2DB033 | 107 | F026W2GD033 | 106 | F026W3DA033 |
| 103 | F026V4EA001 | 104 | F026V4HB001 | 106 | F026W2DD001 | 107 | F026W2HA001 | 106 | F026W3DB001 |
| 103 | F026V4EA006 | 104 | F026V4HB006 | 106 | F026W2DD006 | 107 | F026W2HA006 | 106 | F026W3DB006 |
| 103 | F026V4EA012 | 104 | F026V4HB012 | 106 | F026W2DD012 | 107 | F026W2HA012 | 106 | F026W3DB012 |
| 103 | F026V4EA018 | 104 | F026V4HB018 | 106 | F026W2DD018 | 107 | F026W2HA018 | 106 | F026W3DB018 |
| 103 | F026V4EA030 | 104 | F026V4HB030 | 106 | F026W2DD030 | 107 | F026W2HA030 | 106 | F026W3DB030 |
| 103 | F026V4EA033 | 104 | F026V4HB033 | 106 | F026W2DD033 | 107 | F026W2HA033 | 106 | F026W3DB033 |
| 103 | F026V4EB001 | 104 | F026V4HD001 | 106 | F026W2EA001 | 107 | F026W2HB001 | 106 | F026W3DD001 |
| 103 | F026V4EB006 | 104 | F026V4HD006 | 106 | F026W2EA006 | 107 | F026W2HB006 | 106 | F026W3DD006 |
| 103 | F026V4EB012 | 104 | F026V4HD012 | 106 | F026W2EA012 | 107 | F026W2HB012 | 106 | F026W3DD012 |
| 103 | F026V4EB018 | 104 | F026V4HD018 | 106 | F026W2EA018 | 107 | F026W2HB018 | 106 | F026W3DD018 |
| 103 | F026V4EB030 | 104 | F026V4HD030 | 106 | F026W2EA030 | 107 | F026W2HB030 | 106 | F026W3DD030 |
| 103 | F026V4EB033 | 104 | F026V4HD033 | 106 | F026W2EA033 | 107 | F026W2HB033 | 106 | F026W3DD033 |
| 103 | F026V4ED001 | 105 | F026W2BA001 | 106 | F026W2EB001 | 107 | F026W2HD001 | 106 | F026W3EA001 |
| 103 | F026V4ED006 | 105 | F026W2BA006 | 106 | F026W2EB006 | 107 | F026W2HD006 | 106 | F026W3EA006 |
| 103 | F026V4ED012 | 105 | F026W2BA012 | 106 | F026W2EB012 | 107 | F026W2HD012 | 106 | F026W3EA012 |
| 103 | F026V4ED018 | 105 | F026W2BA018 | 106 | F026W2EB018 | 107 | F026W2HD018 | 106 | F026W3EA018 |
| 103 | F026V4ED030 | 105 | F026W2BA030 | 106 | F026W2EB030 | 107 | F026W2HD030 | 106 | F026W3EA030 |
| 103 | F026V4ED033 | 105 | F026W2BA033 | 106 | F026W2EB033 | 107 | F026W2HD033 | 106 | F026W3EA033 |
| 104 | F026V4FA001 | 105 | F026W2BB001 | 106 | F026W2ED001 | 105 | F026W3BA001 | 106 | F026W3EB001 |
| 104 | F026V4FA006 | 105 | F026W2BB006 | 106 | F026W2ED006 | 105 | F026W3BA006 | 106 | F026W3EB006 |
| 104 | F026V4FA012 | 105 | F026W2BB012 | 106 | F026W2ED012 | 105 | F026W3BA012 | 106 | F026W3EB012 |
| 104 | F026V4FA018 | 105 | F026W2BB018 | 106 | F026W2ED018 | 105 | F026W3BA018 | 106 | F026W3EB018 |
| 104 | F026V4FA030 | 105 | F026W2BB030 | 106 | F026W2ED030 | 105 | F026W3BA030 | 106 | F026W3EB030 |
| 104 | F026V4FA033 | 105 | F026W2BB033 | 106 | F026W2ED033 | 105 | F026W3BA033 | 106 | F026W3EB033 |
| 104 | F026V4FB001 | 105 | F026W2BD001 | 106 | F026W2FA001 | 105 | F026W3BB001 | 106 | F026W3ED001 |
| 104 | F026V4FB006 | 105 | F026W2BD006 | 106 | F026W2FA006 | 105 | F026W3BB006 | 106 | F026W3ED006 |
| 104 | F026V4FB012 | 105 | F026W2BD012 | 106 | F026W2FA012 | 105 | F026W3BB012 | 106 | F026W3ED012 |
| 104 | F026V4FB018 | 105 | F026W2BD018 | 106 | F026W2FA018 | 105 | F026W3BB018 | 106 | F026W3ED018 |
| 104 | F026V4FB030 | 105 | F026W2BD030 | 106 | F026W2FA030 | 105 | F026W3BB030 | 106 | F026W3ED030 |
| 104 | F026V4FB033 | 105 | F026W2BD033 | 106 | F026W2FA033 | 105 | F026W3BB033 | 106 | F026W3ED033 |
| 104 | F026V4FD001 | 105 | F026W2CA001 | 106 | F026W2FB001 | 105 | F026W3BD001 | 106 | F026W3FA001 |
| 104 | F026V4FD006 | 105 | F026W2CA006 | 106 | F026W2FB006 | 105 | F026W3BD006 | 106 | F026W3FA006 |
| 104 | F026V4FD012 | 105 | F026W2CA012 | 106 | F026W2FB012 | 105 | F026W3BD012 | 106 | F026W3FA012 |
| 104 | F026V4FD018 | 105 | F026W2CA018 | 106 | F026W2FB018 | 105 | F026W3BD018 | 106 | F026W3FA018 |
| 104 | F026V4FD030 | 105 | F026W2CA030 | 106 | F026W2FB030 | 105 | F026W3BD030 | 106 | F026W3FA030 |
| 104 | F026V4FD033 | 105 | F026W2CA033 | 106 | F026W2FB033 | 105 | F026W3BD033 | 106 | F026W3FA033 |
| 104 | F026V4GA001 | 105 | F026W2CB001 | 106 | F026W2FD001 | 105 | F026W3CA001 | 106 | F026W3FB001 |
| 104 | F026V4GA006 | 105 | F026W2CB006 | 106 | F026W2FD006 | 105 | F026W3CA006 | 106 | F026W3FB006 |
| 104 | F026V4GA012 | 105 | F026W2CB012 | 106 | F026W2FD012 | 105 | F026W3CA012 | 106 | F026W3FB012 |
| 104 | F026V4GA018 | 105 | F026W2CB018 | 106 | F026W2FD018 | 105 | F026W3CA018 | 106 | F026W3FB018 |
| 104 | F026V4GA030 | 105 | F026W2CB030 | 106 | F026W2FD030 | 105 | F026W3CA030 | 106 | F026W3FB030 |
| 104 | F026V4GA033 | 105 | F026W2CB033 | 106 | F026W2FD033 | 105 | F026W3CA033 | 106 | F026W3FB033 |
| 104 | F026V4GB001 | 105 | F026W2CD001 | 107 | F026W2GA001 | 105 | F026W3CB001 | 106 | F026W3FD001 |
| 104 | F026V4GB006 | 105 | F026W2CD006 | 107 | F026W2GA006 | 105 | F026W3CB006 | 106 | F026W3FD006 |
| 104 | F026V4GB012 | 105 | F026W2CD012 | 107 | F026W2GA012 | 105 | F026W3CB012 | 106 | F026W3FD012 |
| 104 | F026V4GB018 | 105 | F026W2CD018 | 107 | F026W2GA018 | 105 | F026W3CB018 | 106 | F026W3FD018 |
| 104 | F026V4GB030 | 105 | F026W2CD030 | 107 | F026W2GA030 | 105 | F026W3CB030 | 106 | F026W3FD030 |
| 104 | F026V4GB033 | 105 | F026W2CD033 | 107 | F026W2GA033 | 105 | F026W3CB033 | 106 | F026W3FD033 |
| 104 | F026V4GD001 | 106 | F026W2DA001 | 107 | F026W2GB001 | 105 | F026W3CD001 | 107 | F026W3GA001 |
| 104 | F026V4GD006 | 106 | F026W2DA006 | 107 | F026W2GB006 | 105 | F026W3CD006 | 107 | F026W3GA006 |
| 104 | F026V4GD012 | 106 | F026W2DA012 | 107 | F026W2GB012 | 105 | F026W3CD012 | 107 | F026W3GA012 |
| 104 | F026V4GD018 | 106 | F026W2DA018 | 107 | F026W2GB018 | 105 | F026W3CD018 | 107 | F026W3GA018 |
| 104 | F026V4GD030 | 106 | F026W2DA030 | 107 | F026W2GB030 | 105 | F026W3CD030 | 107 | F026W3GA030 |
| 104 | F026V4GD033 | 106 | F026W2DA033 | 107 | F026W2GB033 | 105 | F026W3CD033 | 107 | F026W3GA033 |

| Page | Reference | Page | Reference | Page | Reference | Page | Reference | Page | Reference |
|---|---|---|---|---|---|---|---|---|---|
| 107 | F026W3GB001 | 105 | F026W4CD001 | 107 | F026W4GA001 | 155 | F026Z210018 | 126 | F02713CA030 |
| 107 | F026W3GB006 | 105 | F026W4CD006 | 107 | F026W4GA006 | 155 | F026Z210033 | 126 | F02713CA033 |
| 107 | F026W3GB012 | 105 | F026W4CD012 | 107 | F026W4GA012 | 155 | F026Z220006 | 126 | F02713DA001 |
| 107 | F026W3GB018 | 105 | F026W4CD018 | 107 | F026W4GA018 | 155 | F026Z220018 | 126 | F02713DA006 |
| 107 | F026W3GB030 | 105 | F026W4CD030 | 107 | F026W4GA030 | 155 | F026Z220033 | 126 | F02713DA012 |
| 107 | F026W3GB033 | 105 | F026W4CD033 | 107 | F026W4GA033 | 155 | F026Z230006 | 126 | F02713DA018 |
| 107 | F026W3GD001 | 106 | F026W4DA001 | 107 | F026W4GB001 | 155 | F026Z230018 | 126 | F02713DA030 |
| 107 | F026W3GD006 | 106 | F026W4DA006 | 107 | F026W4GB006 | 155 | F026Z230033 | 126 | F02713DA033 |
| 107 | F026W3GD012 | 106 | F026W4DA012 | 107 | F026W4GB012 | 126 | F02712BA001 | 126 | F02713EA001 |
| 107 | F026W3GD018 | 106 | F026W4DA018 | 107 | F026W4GB018 | 126 | F02712BA006 | 126 | F02713EA006 |
| 107 | F026W3GD030 | 106 | F026W4DA030 | 107 | F026W4GB030 | 126 | F02712BA012 | 126 | F02713EA012 |
| 107 | F026W3GD033 | 106 | F026W4DA033 | 107 | F026W4GB033 | 126 | F02712BA018 | 126 | F02713EA018 |
| 107 | F026W3HA001 | 106 | F026W4DB001 | 107 | F026W4GD001 | 126 | F02712BA030 | 126 | F02713EA030 |
| 107 | F026W3HA006 | 106 | F026W4DB006 | 107 | F026W4GD006 | 126 | F02712BA033 | 126 | F02713EA033 |
| 107 | F026W3HA012 | 106 | F026W4DB012 | 107 | F026W4GD012 | 126 | F02712CA001 | 127 | F02713FA001 |
| 107 | F026W3HA018 | 106 | F026W4DB018 | 107 | F026W4GD018 | 126 | F02712CA006 | 127 | F02713FA006 |
| 107 | F026W3HA030 | 106 | F026W4DB030 | 107 | F026W4GD030 | 126 | F02712CA012 | 127 | F02713FA012 |
| 107 | F026W3HA033 | 106 | F026W4DB033 | 107 | F026W4GD033 | 126 | F02712CA018 | 127 | F02713FA018 |
| 107 | F026W3HB001 | 106 | F026W4DD001 | 107 | F026W4HA001 | 126 | F02712CA030 | 127 | F02713FA030 |
| 107 | F026W3HB006 | 106 | F026W4DD006 | 107 | F026W4HA006 | 126 | F02712CA033 | 127 | F02713FA033 |
| 107 | F026W3HB012 | 106 | F026W4DD012 | 107 | F026W4HA012 | 126 | F02712DA001 | 127 | F02713GA001 |
| 107 | F026W3HB018 | 106 | F026W4DD018 | 107 | F026W4HA018 | 126 | F02712DA006 | 127 | F02713GA006 |
| 107 | F026W3HB030 | 106 | F026W4DD030 | 107 | F026W4HA030 | 126 | F02712DA012 | 127 | F02713GA012 |
| 107 | F026W3HB033 | 106 | F026W4DD033 | 107 | F026W4HA033 | 126 | F02712DA018 | 127 | F02713GA018 |
| 107 | F026W3HD001 | 106 | F026W4EA001 | 107 | F026W4HB001 | 126 | F02712DA030 | 127 | F02713GA030 |
| 107 | F026W3HD006 | 106 | F026W4EA006 | 107 | F026W4HB006 | 126 | F02712DA033 | 127 | F02713GA033 |
| 107 | F026W3HD012 | 106 | F026W4EA012 | 107 | F026W4HB012 | 126 | F02712EA001 | 127 | F02713HA001 |
| 107 | F026W3HD018 | 106 | F026W4EA018 | 107 | F026W4HB018 | 126 | F02712EA006 | 127 | F02713HA006 |
| 107 | F026W3HD030 | 106 | F026W4EA030 | 107 | F026W4HB030 | 126 | F02712EA012 | 127 | F02713HA012 |
| 107 | F026W3HD033 | 106 | F026W4EA033 | 107 | F026W4HB033 | 126 | F02712EA018 | 127 | F02713HA018 |
| 105 | F026W4BA001 | 106 | F026W4EB001 | 107 | F026W4HD001 | 126 | F02712EA030 | 127 | F02713HA030 |
| 105 | F026W4BA006 | 106 | F026W4EB006 | 107 | F026W4HD006 | 126 | F02712EA033 | 127 | F02713HA033 |
| 105 | F026W4BA012 | 106 | F026W4EB012 | 107 | F026W4HD012 | 127 | F02712FA001 | 126 | F02714BA001 |
| 105 | F026W4BA018 | 106 | F026W4EB018 | 107 | F026W4HD018 | 127 | F02712FA006 | 126 | F02714BA006 |
| 105 | F026W4BA030 | 106 | F026W4EB030 | 107 | F026W4HD030 | 127 | F02712FA012 | 126 | F02714BA012 |
| 105 | F026W4BA033 | 106 | F026W4EB033 | 107 | F026W4HD033 | 127 | F02712FA018 | 126 | F02714BA018 |
| 105 | F026W4BB001 | 106 | F026W4ED001 | 34 | F026Z010000 | 127 | F02712FA030 | 126 | F02714BA030 |
| 105 | F026W4BB006 | 106 | F026W4ED006 | 64 | F026Z020001 | 127 | F02712FA033 | 126 | F02714BA033 |
| 105 | F026W4BB012 | 106 | F026W4ED012 | 64 | F026Z020006 | 127 | F02712GA001 | 126 | F02714CA001 |
| 105 | F026W4BB018 | 106 | F026W4ED018 | 64 | F026Z020012 | 127 | F02712GA006 | 126 | F02714CA006 |
| 105 | F026W4BB030 | 106 | F026W4ED030 | 64 | F026Z020018 | 127 | F02712GA012 | 126 | F02714CA012 |
| 105 | F026W4BB033 | 106 | F026W4ED033 | 64 | F026Z020030 | 127 | F02712GA018 | 126 | F02714CA018 |
| 105 | F026W4BD001 | 106 | F026W4FA001 | 64 | F026Z020033 | 127 | F02712GA030 | 126 | F02714CA030 |
| 105 | F026W4BD006 | 106 | F026W4FA006 | 64 | F026Z030001 | 127 | F02712GA033 | 126 | F02714CA033 |
| 105 | F026W4BD012 | 106 | F026W4FA012 | 64 | F026Z030006 | 127 | F02712HA001 | 126 | F02714DA001 |
| 105 | F026W4BD018 | 106 | F026W4FA018 | 64 | F026Z030012 | 127 | F02712HA006 | 126 | F02714DA006 |
| 105 | F026W4BD030 | 106 | F026W4FA030 | 64 | F026Z030018 | 127 | F02712HA012 | 126 | F02714DA012 |
| 105 | F026W4BD033 | 106 | F026W4FA033 | 64 | F026Z030030 | 127 | F02712HA018 | 126 | F02714DA018 |
| 105 | F026W4CA001 | 106 | F026W4FB001 | 64 | F026Z030033 | 127 | F02712HA030 | 126 | F02714DA030 |
| 105 | F026W4CA006 | 106 | F026W4FB006 | 57 | F026Z050001 | 127 | F02712HA033 | 126 | F02714DA033 |
| 105 | F026W4CA012 | 106 | F026W4FB012 | 57 | F026Z050006 | 126 | F02713BA001 | 126 | F02714EA001 |
| 105 | F026W4CA018 | 106 | F026W4FB018 | 57 | F026Z050012 | 126 | F02713BA006 | 126 | F02714EA006 |
| 105 | F026W4CA030 | 106 | F026W4FB030 | 57 | F026Z050018 | 126 | F02713BA012 | 126 | F02714EA012 |
| 105 | F026W4CA033 | 106 | F026W4FB033 | 57 | F026Z050030 | 126 | F02713BA018 | 126 | F02714EA018 |
| 105 | F026W4CB001 | 106 | F026W4FD001 | 57 | F026Z050033 | 126 | F02713BA030 | 126 | F02714EA030 |
| 105 | F026W4CB006 | 106 | F026W4FD006 | 37 | F026Z060000 | 126 | F02713BA033 | 126 | F02714EA033 |
| 105 | F026W4CB012 | 106 | F026W4FD012 | 155 | F026Z200006 | 126 | F02713CA001 | 127 | F02714FA001 |
| 105 | F026W4CB018 | 106 | F026W4FD018 | 155 | F026Z200018 | 126 | F02713CA006 | 127 | F02714FA006 |
| 105 | F026W4CB030 | 106 | F026W4FD030 | 155 | F026Z200033 | 126 | F02713CA012 | 127 | F02714FA012 |
| 105 | F026W4CB033 | 106 | F026W4FD033 | 155 | F026Z210006 | 126 | F02713CA018 | 127 | F02714FA018 |

| Page | Reference | Page | Reference | Page | Reference | Page | Reference | Page | Reference |
|---|---|---|---|---|---|---|---|---|---|
| 127 | F02714FA030 | 124 | F02753BA030 | 124 | F02754EA030 | 33 | F027B2HA030 | 32 | F027B4DA030 |
| 127 | F02714FA033 | 124 | F02753BA033 | 124 | F02754EA033 | 33 | F027B2HA033 | 32 | F027B4DA033 |
| 127 | F02714GA001 | 124 | F02753CA001 | 125 | F02754FA001 | 32 | F027B3BA001 | 32 | F027B4EA001 |
| 127 | F02714GA006 | 124 | F02753CA006 | 125 | F02754FA006 | 32 | F027B3BA006 | 32 | F027B4EA006 |
| 127 | F02714GA012 | 124 | F02753CA012 | 125 | F02754FA012 | 32 | F027B3BA012 | 32 | F027B4EA012 |
| 127 | F02714GA018 | 124 | F02753CA018 | 125 | F02754FA018 | 32 | F027B3BA018 | 32 | F027B4EA018 |
| 127 | F02714GA030 | 124 | F02753CA030 | 125 | F02754FA030 | 32 | F027B3BA030 | 32 | F027B4EA030 |
| 127 | F02714GA033 | 124 | F02753CA033 | 125 | F02754FA033 | 32 | F027B3BA033 | 32 | F027B4EA033 |
| 127 | F02714HA001 | 124 | F02753DA001 | 125 | F02754GA001 | 32 | F027B3CA001 | 33 | F027B4FA001 |
| 127 | F02714HA006 | 124 | F02753DA006 | 125 | F02754GA006 | 32 | F027B3CA006 | 33 | F027B4FA006 |
| 127 | F02714HA012 | 124 | F02753DA012 | 125 | F02754GA012 | 32 | F027B3CA012 | 33 | F027B4FA012 |
| 127 | F02714HA018 | 124 | F02753DA018 | 125 | F02754GA018 | 32 | F027B3CA018 | 33 | F027B4FA018 |
| 127 | F02714HA030 | 124 | F02753DA030 | 125 | F02754GA030 | 32 | F027B3CA030 | 33 | F027B4FA030 |
| 127 | F02714HA033 | 124 | F02753DA033 | 125 | F02754GA033 | 32 | F027B3CA033 | 33 | F027B4FA033 |
| 124 | F02752BA001 | 124 | F02753EA001 | 125 | F02754HA001 | 32 | F027B3DA001 | 33 | F027B4GA001 |
| 124 | F02752BA006 | 124 | F02753EA006 | 125 | F02754HA006 | 32 | F027B3DA006 | 33 | F027B4GA006 |
| 124 | F02752BA012 | 124 | F02753EA012 | 125 | F02754HA012 | 32 | F027B3DA012 | 33 | F027B4GA012 |
| 124 | F02752BA018 | 124 | F02753EA018 | 125 | F02754HA018 | 32 | F027B3DA018 | 33 | F027B4GA018 |
| 124 | F02752BA030 | 124 | F02753EA030 | 125 | F02754HA030 | 32 | F027B3DA030 | 33 | F027B4GA030 |
| 124 | F02752BA033 | 124 | F02753EA033 | 125 | F02754HA033 | 32 | F027B3DA033 | 33 | F027B4GA033 |
| 124 | F02752CA001 | 125 | F02753FA001 | 32 | F027B2BA001 | 32 | F027B3EA001 | 33 | F027B4HA001 |
| 124 | F02752CA006 | 125 | F02753FA006 | 32 | F027B2BA006 | 32 | F027B3EA006 | 33 | F027B4HA006 |
| 124 | F02752CA012 | 125 | F02753FA012 | 32 | F027B2BA012 | 32 | F027B3EA012 | 33 | F027B4HA012 |
| 124 | F02752CA018 | 125 | F02753FA018 | 32 | F027B2BA018 | 32 | F027B3EA018 | 33 | F027B4HA018 |
| 124 | F02752CA030 | 125 | F02753FA030 | 32 | F027B2BA030 | 32 | F027B3EA030 | 33 | F027B4HA030 |
| 124 | F02752CA033 | 125 | F02753FA033 | 32 | F027B2BA033 | 32 | F027B3EA033 | 33 | F027B4HA033 |
| 124 | F02752DA001 | 125 | F02753GA001 | 32 | F027B2CA001 | 33 | F027B3FA001 | 30 | F027D2BA001 |
| 124 | F02752DA006 | 125 | F02753GA006 | 32 | F027B2CA006 | 33 | F027B3FA006 | 30 | F027D2BA006 |
| 124 | F02752DA012 | 125 | F02753GA012 | 32 | F027B2CA012 | 33 | F027B3FA012 | 30 | F027D2BA012 |
| 124 | F02752DA018 | 125 | F02753GA018 | 32 | F027B2CA018 | 33 | F027B3FA018 | 30 | F027D2BA018 |
| 124 | F02752DA030 | 125 | F02753GA030 | 32 | F027B2CA030 | 33 | F027B3FA030 | 30 | F027D2BA030 |
| 124 | F02752DA033 | 125 | F02753GA033 | 32 | F027B2CA033 | 33 | F027B3FA033 | 30 | F027D2BA033 |
| 124 | F02752EA001 | 125 | F02753HA001 | 32 | F027B2DA001 | 33 | F027B3GA001 | 30 | F027D2CA001 |
| 124 | F02752EA006 | 125 | F02753HA006 | 32 | F027B2DA006 | 33 | F027B3GA006 | 30 | F027D2CA006 |
| 124 | F02752EA012 | 125 | F02753HA012 | 32 | F027B2DA012 | 33 | F027B3GA012 | 30 | F027D2CA012 |
| 124 | F02752EA018 | 125 | F02753HA018 | 32 | F027B2DA018 | 33 | F027B3GA018 | 30 | F027D2CA018 |
| 124 | F02752EA030 | 125 | F02753HA030 | 32 | F027B2DA030 | 33 | F027B3GA030 | 30 | F027D2CA030 |
| 124 | F02752EA033 | 125 | F02753HA033 | 32 | F027B2DA033 | 33 | F027B3GA033 | 30 | F027D2CA033 |
| 125 | F02752FA001 | 124 | F02754BA001 | 32 | F027B2EA001 | 33 | F027B3HA001 | 30 | F027D2DA001 |
| 125 | F02752FA006 | 124 | F02754BA006 | 32 | F027B2EA006 | 33 | F027B3HA006 | 30 | F027D2DA006 |
| 125 | F02752FA012 | 124 | F02754BA012 | 32 | F027B2EA012 | 33 | F027B3HA012 | 30 | F027D2DA012 |
| 125 | F02752FA018 | 124 | F02754BA018 | 32 | F027B2EA018 | 33 | F027B3HA018 | 30 | F027D2DA018 |
| 125 | F02752FA030 | 124 | F02754BA030 | 32 | F027B2EA030 | 33 | F027B3HA030 | 30 | F027D2DA030 |
| 125 | F02752FA033 | 124 | F02754BA033 | 32 | F027B2EA033 | 33 | F027B3HA033 | 30 | F027D2DA033 |
| 125 | F02752GA001 | 124 | F02754CA001 | 33 | F027B2FA001 | 32 | F027B4BA001 | 30 | F027D2EA001 |
| 125 | F02752GA006 | 124 | F02754CA006 | 33 | F027B2FA006 | 32 | F027B4BA006 | 30 | F027D2EA006 |
| 125 | F02752GA012 | 124 | F02754CA012 | 33 | F027B2FA012 | 32 | F027B4BA012 | 30 | F027D2EA012 |
| 125 | F02752GA018 | 124 | F02754CA018 | 33 | F027B2FA018 | 32 | F027B4BA018 | 30 | F027D2EA018 |
| 125 | F02752GA030 | 124 | F02754CA030 | 33 | F027B2FA030 | 32 | F027B4BA030 | 30 | F027D2EA030 |
| 125 | F02752GA033 | 124 | F02754CA033 | 33 | F027B2FA033 | 32 | F027B4BA033 | 30 | F027D2EA033 |
| 125 | F02752HA001 | 124 | F02754DA001 | 33 | F027B2GA001 | 32 | F027B4CA001 | 31 | F027D2FA001 |
| 125 | F02752HA006 | 124 | F02754DA006 | 33 | F027B2GA006 | 32 | F027B4CA006 | 31 | F027D2FA006 |
| 125 | F02752HA012 | 124 | F02754DA012 | 33 | F027B2GA012 | 32 | F027B4CA012 | 31 | F027D2FA012 |
| 125 | F02752HA018 | 124 | F02754DA018 | 33 | F027B2GA018 | 32 | F027B4CA018 | 31 | F027D2FA018 |
| 125 | F02752HA030 | 124 | F02754DA030 | 33 | F027B2GA030 | 32 | F027B4CA030 | 31 | F027D2FA030 |
| 125 | F02752HA033 | 124 | F02754DA033 | 33 | F027B2GA033 | 32 | F027B4CA033 | 31 | F027D2FA033 |
| 124 | F02753BA001 | 124 | F02754EA001 | 33 | F027B2HA001 | 32 | F027B4DA001 | 31 | F027D2GA001 |
| 124 | F02753BA006 | 124 | F02754EA006 | 33 | F027B2HA006 | 32 | F027B4DA006 | 31 | F027D2GA006 |
| 124 | F02753BA012 | 124 | F02754EA012 | 33 | F027B2HA012 | 32 | F027B4DA012 | 31 | F027D2GA012 |
| 124 | F02753BA018 | 124 | F02754EA018 | 33 | F027B2HA018 | 32 | F027B4DA018 | 31 | F027D2GA018 |

| Page | Reference | Page | Reference | Page | Reference | Page | Reference | Page | Reference |
|---|---|---|---|---|---|---|---|---|---|
| 31 | F027D2GA030 | 30 | F027D4CA030 | 63 | F027G2FA030 | 62 | F027G4BA030 | 60 | F027L2EA030 |
| 31 | F027D2GA033 | 30 | F027D4CA033 | 63 | F027G2FA033 | 62 | F027G4BA033 | 60 | F027L2EA033 |
| 31 | F027D2HA001 | 30 | F027D4DA001 | 63 | F027G2GA001 | 62 | F027G4CA001 | 61 | F027L2FA001 |
| 31 | F027D2HA006 | 30 | F027D4DA006 | 63 | F027G2GA006 | 62 | F027G4CA006 | 61 | F027L2FA006 |
| 31 | F027D2HA012 | 30 | F027D4DA012 | 63 | F027G2GA012 | 62 | F027G4CA012 | 61 | F027L2FA012 |
| 31 | F027D2HA018 | 30 | F027D4DA018 | 63 | F027G2GA018 | 62 | F027G4CA018 | 61 | F027L2FA018 |
| 31 | F027D2HA030 | 30 | F027D4DA030 | 63 | F027G2GA030 | 62 | F027G4CA030 | 61 | F027L2FA030 |
| 31 | F027D2HA033 | 30 | F027D4DA033 | 63 | F027G2GA033 | 62 | F027G4CA033 | 61 | F027L2FA033 |
| 30 | F027D3BA001 | 30 | F027D4EA001 | 63 | F027G2HA001 | 62 | F027G4DA001 | 61 | F027L2GA001 |
| 30 | F027D3BA006 | 30 | F027D4EA006 | 63 | F027G2HA006 | 62 | F027G4DA006 | 61 | F027L2GA006 |
| 30 | F027D3BA012 | 30 | F027D4EA012 | 63 | F027G2HA012 | 62 | F027G4DA012 | 61 | F027L2GA012 |
| 30 | F027D3BA018 | 30 | F027D4EA018 | 63 | F027G2HA018 | 62 | F027G4DA018 | 61 | F027L2GA018 |
| 30 | F027D3BA030 | 30 | F027D4EA030 | 63 | F027G2HA030 | 62 | F027G4DA030 | 61 | F027L2GA030 |
| 30 | F027D3BA033 | 30 | F027D4EA033 | 63 | F027G2HA033 | 62 | F027G4DA033 | 61 | F027L2GA033 |
| 30 | F027D3CA001 | 31 | F027D4FA001 | 62 | F027G3BA001 | 62 | F027G4EA001 | 61 | F027L2HA001 |
| 30 | F027D3CA006 | 31 | F027D4FA006 | 62 | F027G3BA006 | 62 | F027G4EA006 | 61 | F027L2HA006 |
| 30 | F027D3CA012 | 31 | F027D4FA012 | 62 | F027G3BA012 | 62 | F027G4EA012 | 61 | F027L2HA012 |
| 30 | F027D3CA018 | 31 | F027D4FA018 | 62 | F027G3BA018 | 62 | F027G4EA018 | 61 | F027L2HA018 |
| 30 | F027D3CA030 | 31 | F027D4FA030 | 62 | F027G3BA030 | 62 | F027G4EA030 | 61 | F027L2HA030 |
| 30 | F027D3CA033 | 31 | F027D4FA033 | 62 | F027G3BA033 | 62 | F027G4EA033 | 61 | F027L2HA033 |
| 30 | F027D3DA001 | 31 | F027D4GA001 | 62 | F027G3CA001 | 63 | F027G4FA001 | 60 | F027L3BA001 |
| 30 | F027D3DA006 | 31 | F027D4GA006 | 62 | F027G3CA006 | 63 | F027G4FA006 | 60 | F027L3BA006 |
| 30 | F027D3DA012 | 31 | F027D4GA012 | 62 | F027G3CA012 | 63 | F027G4FA012 | 60 | F027L3BA012 |
| 30 | F027D3DA018 | 31 | F027D4GA018 | 62 | F027G3CA018 | 63 | F027G4FA018 | 60 | F027L3BA018 |
| 30 | F027D3DA030 | 31 | F027D4GA030 | 62 | F027G3CA030 | 63 | F027G4FA030 | 60 | F027L3BA030 |
| 30 | F027D3DA033 | 31 | F027D4GA033 | 62 | F027G3CA033 | 63 | F027G4FA033 | 60 | F027L3BA033 |
| 30 | F027D3EA001 | 31 | F027D4HA001 | 62 | F027G3DA001 | 63 | F027G4GA001 | 60 | F027L3CA001 |
| 30 | F027D3EA006 | 31 | F027D4HA006 | 62 | F027G3DA006 | 63 | F027G4GA006 | 60 | F027L3CA006 |
| 30 | F027D3EA012 | 31 | F027D4HA012 | 62 | F027G3DA012 | 63 | F027G4GA012 | 60 | F027L3CA012 |
| 30 | F027D3EA018 | 31 | F027D4HA018 | 62 | F027G3DA018 | 63 | F027G4GA018 | 60 | F027L3CA018 |
| 30 | F027D3EA030 | 31 | F027D4HA030 | 62 | F027G3DA030 | 63 | F027G4GA030 | 60 | F027L3CA030 |
| 30 | F027D3EA033 | 31 | F027D4HA033 | 62 | F027G3DA033 | 63 | F027G4GA033 | 60 | F027L3CA033 |
| 31 | F027D3FA001 | 62 | F027G2BA001 | 62 | F027G3EA001 | 63 | F027G4HA001 | 60 | F027L3DA001 |
| 31 | F027D3FA006 | 62 | F027G2BA006 | 62 | F027G3EA006 | 63 | F027G4HA006 | 60 | F027L3DA006 |
| 31 | F027D3FA012 | 62 | F027G2BA012 | 62 | F027G3EA012 | 63 | F027G4HA012 | 60 | F027L3DA012 |
| 31 | F027D3FA018 | 62 | F027G2BA018 | 62 | F027G3EA018 | 63 | F027G4HA018 | 60 | F027L3DA018 |
| 31 | F027D3FA030 | 62 | F027G2BA030 | 62 | F027G3EA030 | 63 | F027G4HA030 | 60 | F027L3DA030 |
| 31 | F027D3FA033 | 62 | F027G2BA033 | 62 | F027G3EA033 | 63 | F027G4HA033 | 60 | F027L3DA033 |
| 31 | F027D3GA001 | 62 | F027G2CA001 | 63 | F027G3FA001 | 60 | F027L2BA001 | 60 | F027L3EA001 |
| 31 | F027D3GA006 | 62 | F027G2CA006 | 63 | F027G3FA006 | 60 | F027L2BA006 | 60 | F027L3EA006 |
| 31 | F027D3GA012 | 62 | F027G2CA012 | 63 | F027G3FA012 | 60 | F027L2BA012 | 60 | F027L3EA012 |
| 31 | F027D3GA018 | 62 | F027G2CA018 | 63 | F027G3FA018 | 60 | F027L2BA018 | 60 | F027L3EA018 |
| 31 | F027D3GA030 | 62 | F027G2CA030 | 63 | F027G3FA030 | 60 | F027L2BA030 | 60 | F027L3EA030 |
| 31 | F027D3GA033 | 62 | F027G2CA033 | 63 | F027G3FA033 | 60 | F027L2BA033 | 60 | F027L3EA033 |
| 31 | F027D3HA001 | 62 | F027G2DA001 | 63 | F027G3GA001 | 60 | F027L2CA001 | 61 | F027L3FA001 |
| 31 | F027D3HA006 | 62 | F027G2DA006 | 63 | F027G3GA006 | 60 | F027L2CA006 | 61 | F027L3FA006 |
| 31 | F027D3HA012 | 62 | F027G2DA012 | 63 | F027G3GA012 | 60 | F027L2CA012 | 61 | F027L3FA012 |
| 31 | F027D3HA018 | 62 | F027G2DA018 | 63 | F027G3GA018 | 60 | F027L2CA018 | 61 | F027L3FA018 |
| 31 | F027D3HA030 | 62 | F027G2DA030 | 63 | F027G3GA030 | 60 | F027L2CA030 | 61 | F027L3FA030 |
| 31 | F027D3HA033 | 62 | F027G2DA033 | 63 | F027G3GA033 | 60 | F027L2CA033 | 61 | F027L3FA033 |
| 30 | F027D4BA001 | 62 | F027G2EA001 | 63 | F027G3HA001 | 60 | F027L2DA001 | 61 | F027L3GA001 |
| 30 | F027D4BA006 | 62 | F027G2EA006 | 63 | F027G3HA006 | 60 | F027L2DA006 | 61 | F027L3GA006 |
| 30 | F027D4BA012 | 62 | F027G2EA012 | 63 | F027G3HA012 | 60 | F027L2DA012 | 61 | F027L3GA012 |
| 30 | F027D4BA018 | 62 | F027G2EA018 | 63 | F027G3HA018 | 60 | F027L2DA018 | 61 | F027L3GA018 |
| 30 | F027D4BA030 | 62 | F027G2EA030 | 63 | F027G3HA030 | 60 | F027L2DA030 | 61 | F027L3GA030 |
| 30 | F027D4BA033 | 62 | F027G2EA033 | 63 | F027G3HA033 | 60 | F027L2DA033 | 61 | F027L3GA033 |
| 30 | F027D4CA001 | 63 | F027G2FA001 | 62 | F027G4BA001 | 60 | F027L2EA001 | 61 | F027L3HA001 |
| 30 | F027D4CA006 | 63 | F027G2FA006 | 62 | F027G4BA006 | 60 | F027L2EA006 | 61 | F027L3HA006 |
| 30 | F027D4CA012 | 63 | F027G2FA012 | 62 | F027G4BA012 | 60 | F027L2EA012 | 61 | F027L3HA012 |
| 30 | F027D4CA018 | 63 | F027G2FA018 | 62 | F027G4BA018 | 60 | F027L2EA018 | 61 | F027L3HA018 |

| Page | Reference | Page | Reference | Page | Reference | Page | Reference | Page | Reference |
|---|---|---|---|---|---|---|---|---|---|
| 61 | F027L3HA030 | 47 | F029Z023000 | 233 | F030A23D001 | 233 | F030A33B030 | 233 | F030A43B006 |
| 61 | F027L3HA033 | 47 | F029Z024000 | 233 | F030A23D006 | 233 | F030A33B033 | 233 | F030A43B012 |
| 60 | F027L4BA001 | 47 | F029Z025000 | 233 | F030A23D012 | 233 | F030A33D000 | 233 | F030A43B018 |
| 60 | F027L4BA006 | 232 | F030A21A000 | 233 | F030A23D018 | 233 | F030A33D001 | 233 | F030A43B030 |
| 60 | F027L4BA012 | 232 | F030A21A001 | 233 | F030A23D030 | 233 | F030A33D006 | 233 | F030A43B033 |
| 60 | F027L4BA018 | 232 | F030A21A006 | 233 | F030A23D033 | 233 | F030A33D012 | 233 | F030A43D000 |
| 60 | F027L4BA030 | 232 | F030A21A012 | 232 | F030A31A000 | 233 | F030A33D018 | 233 | F030A43D001 |
| 60 | F027L4BA033 | 232 | F030A21A018 | 232 | F030A31A001 | 233 | F030A33D030 | 233 | F030A43D006 |
| 60 | F027L4CA001 | 232 | F030A21A030 | 232 | F030A31A006 | 233 | F030A33D033 | 233 | F030A43D012 |
| 60 | F027L4CA006 | 232 | F030A21A033 | 232 | F030A31A012 | 232 | F030A41A000 | 233 | F030A43D018 |
| 60 | F027L4CA012 | 232 | F030A21B000 | 232 | F030A31A018 | 232 | F030A41A001 | 233 | F030A43D030 |
| 60 | F027L4CA018 | 232 | F030A21B001 | 232 | F030A31A030 | 232 | F030A41A006 | 233 | F030A43D033 |
| 60 | F027L4CA030 | 232 | F030A21B006 | 232 | F030A31A033 | 232 | F030A41A012 | 236 | F030B21A000 |
| 60 | F027L4CA033 | 232 | F030A21B012 | 232 | F030A31B000 | 232 | F030A41A018 | 236 | F030B21A001 |
| 60 | F027L4DA001 | 232 | F030A21B018 | 232 | F030A31B001 | 232 | F030A41A030 | 236 | F030B21A006 |
| 60 | F027L4DA006 | 232 | F030A21B030 | 232 | F030A31B006 | 232 | F030A41A033 | 236 | F030B21A012 |
| 60 | F027L4DA012 | 232 | F030A21B033 | 232 | F030A31B012 | 232 | F030A41B000 | 236 | F030B21A018 |
| 60 | F027L4DA018 | 232 | F030A21D000 | 232 | F030A31B018 | 232 | F030A41B001 | 236 | F030B21A030 |
| 60 | F027L4DA030 | 232 | F030A21D001 | 232 | F030A31B030 | 232 | F030A41B006 | 236 | F030B21A033 |
| 60 | F027L4DA033 | 232 | F030A21D006 | 232 | F030A31B033 | 232 | F030A41B012 | 236 | F030B21B000 |
| 60 | F027L4EA001 | 232 | F030A21D012 | 232 | F030A31D000 | 232 | F030A41B018 | 236 | F030B21B001 |
| 60 | F027L4EA006 | 232 | F030A21D018 | 232 | F030A31D001 | 232 | F030A41B030 | 236 | F030B21B006 |
| 60 | F027L4EA012 | 232 | F030A21D030 | 232 | F030A31D006 | 232 | F030A41B033 | 236 | F030B21B012 |
| 60 | F027L4EA018 | 232 | F030A21D033 | 232 | F030A31D012 | 232 | F030A41D000 | 236 | F030B21B018 |
| 60 | F027L4EA030 | 232 | F030A22A000 | 232 | F030A31D018 | 232 | F030A41D001 | 236 | F030B21B030 |
| 60 | F027L4EA033 | 232 | F030A22A001 | 232 | F030A31D030 | 232 | F030A41D006 | 236 | F030B21B033 |
| 61 | F027L4FA001 | 232 | F030A22A006 | 232 | F030A31D033 | 232 | F030A41D012 | 236 | F030B21D000 |
| 61 | F027L4FA006 | 232 | F030A22A012 | 232 | F030A32A000 | 232 | F030A41D018 | 236 | F030B21D001 |
| 61 | F027L4FA012 | 232 | F030A22A018 | 232 | F030A32A001 | 232 | F030A41D030 | 236 | F030B21D006 |
| 61 | F027L4FA018 | 232 | F030A22A030 | 232 | F030A32A006 | 232 | F030A41D033 | 236 | F030B21D012 |
| 61 | F027L4FA030 | 232 | F030A22A033 | 232 | F030A32A012 | 232 | F030A42A000 | 236 | F030B21D018 |
| 61 | F027L4FA033 | 232 | F030A22B000 | 232 | F030A32A018 | 232 | F030A42A001 | 236 | F030B21D030 |
| 61 | F027L4GA001 | 232 | F030A22B001 | 232 | F030A32A030 | 232 | F030A42A006 | 236 | F030B21D033 |
| 61 | F027L4GA006 | 232 | F030A22B006 | 232 | F030A32A033 | 232 | F030A42A012 | 236 | F030B22A000 |
| 61 | F027L4GA012 | 232 | F030A22B012 | 232 | F030A32B000 | 232 | F030A42A018 | 236 | F030B22A001 |
| 61 | F027L4GA018 | 232 | F030A22B018 | 232 | F030A32B001 | 232 | F030A42A030 | 236 | F030B22A006 |
| 61 | F027L4GA030 | 232 | F030A22B030 | 232 | F030A32B006 | 232 | F030A42A033 | 236 | F030B22A012 |
| 61 | F027L4GA033 | 232 | F030A22B033 | 232 | F030A32B012 | 232 | F030A42B000 | 236 | F030B22A018 |
| 61 | F027L4HA001 | 232 | F030A22D000 | 232 | F030A32B018 | 232 | F030A42B001 | 236 | F030B22A030 |
| 61 | F027L4HA006 | 232 | F030A22D001 | 232 | F030A32B030 | 232 | F030A42B006 | 236 | F030B22A033 |
| 61 | F027L4HA012 | 232 | F030A22D006 | 232 | F030A32B033 | 232 | F030A42B012 | 236 | F030B22B000 |
| 61 | F027L4HA018 | 232 | F030A22D012 | 232 | F030A32D000 | 232 | F030A42B018 | 236 | F030B22B001 |
| 61 | F027L4HA030 | 232 | F030A22D018 | 232 | F030A32D001 | 232 | F030A42B030 | 236 | F030B22B006 |
| 61 | F027L4HA033 | 232 | F030A22D030 | 232 | F030A32D006 | 232 | F030A42B033 | 236 | F030B22B012 |
| 35 | F027Z050001 | 232 | F030A22D033 | 232 | F030A32D012 | 232 | F030A42D000 | 236 | F030B22B018 |
| 35 | F027Z050006 | 233 | F030A23A000 | 232 | F030A32D018 | 232 | F030A42D001 | 236 | F030B22B030 |
| 35 | F027Z050012 | 233 | F030A23A001 | 232 | F030A32D030 | 232 | F030A42D006 | 236 | F030B22B033 |
| 35 | F027Z050018 | 233 | F030A23A006 | 232 | F030A32D033 | 232 | F030A42D012 | 236 | F030B22D000 |
| 35 | F027Z050030 | 233 | F030A23A012 | 233 | F030A33A000 | 232 | F030A42D018 | 236 | F030B22D001 |
| 35 | F027Z050033 | 233 | F030A23A018 | 233 | F030A33A001 | 232 | F030A42D030 | 236 | F030B22D006 |
| 34 | F027Z060000 | 233 | F030A23A030 | 233 | F030A33A006 | 232 | F030A42D033 | 236 | F030B22D012 |
| 34 | F029Z010000 | 233 | F030A23A033 | 233 | F030A33A012 | 233 | F030A43A000 | 236 | F030B22D018 |
| 34 | F029Z011000 | 233 | F030A23B000 | 233 | F030A33A018 | 233 | F030A43A001 | 236 | F030B22D030 |
| 34 | F029Z012000 | 233 | F030A23B001 | 233 | F030A33A030 | 233 | F030A43A006 | 236 | F030B22D033 |
| 34 | F029Z013000 | 233 | F030A23B006 | 233 | F030A33A033 | 233 | F030A43A012 | 237 | F030B23A000 |
| 34 | F029Z014000 | 233 | F030A23B012 | 233 | F030A33B000 | 233 | F030A43A018 | 237 | F030B23A001 |
| 34 | F029Z015000 | 233 | F030A23B018 | 233 | F030A33B001 | 233 | F030A43A030 | 237 | F030B23A006 |
| 47 | F029Z020000 | 233 | F030A23B030 | 233 | F030A33B006 | 233 | F030A43A033 | 237 | F030B23A012 |
| 47 | F029Z021000 | 233 | F030A23B033 | 233 | F030A33B012 | 233 | F030A43B000 | 237 | F030B23A018 |
| 47 | F029Z022000 | 233 | F030A23D000 | 233 | F030A33B018 | 233 | F030A43B001 | 237 | F030B23A030 |

| Page | Reference | Page | Reference | Page | Reference | Page | Reference | Page | Reference |
|---|---|---|---|---|---|---|---|---|---|
| 237 | F030B23A033 | 237 | F030B33A012 | 237 | F030B43A000 | 234 | F030C22D018 | 234 | F030C32D001 |
| 237 | F030B23B000 | 237 | F030B33A018 | 237 | F030B43A001 | 234 | F030C22D030 | 234 | F030C32D006 |
| 237 | F030B23B001 | 237 | F030B33A030 | 237 | F030B43A006 | 234 | F030C22D033 | 234 | F030C32D012 |
| 237 | F030B23B006 | 237 | F030B33A033 | 237 | F030B43A012 | 235 | F030C23A000 | 234 | F030C32D018 |
| 237 | F030B23B012 | 237 | F030B33B000 | 237 | F030B43A018 | 235 | F030C23A001 | 234 | F030C32D030 |
| 237 | F030B23B018 | 237 | F030B33B001 | 237 | F030B43A030 | 235 | F030C23A006 | 234 | F030C32D033 |
| 237 | F030B23B030 | 237 | F030B33B006 | 237 | F030B43A033 | 235 | F030C23A012 | 235 | F030C33A000 |
| 237 | F030B23B033 | 237 | F030B33B012 | 237 | F030B43B000 | 235 | F030C23A018 | 235 | F030C33A001 |
| 237 | F030B23D000 | 237 | F030B33B018 | 237 | F030B43B001 | 235 | F030C23A030 | 235 | F030C33A006 |
| 237 | F030B23D001 | 237 | F030B33B030 | 237 | F030B43B006 | 235 | F030C23A033 | 235 | F030C33A012 |
| 237 | F030B23D006 | 237 | F030B33B033 | 237 | F030B43B012 | 235 | F030C23B000 | 235 | F030C33A018 |
| 237 | F030B23D012 | 237 | F030B33D000 | 237 | F030B43B018 | 235 | F030C23B001 | 235 | F030C33A030 |
| 237 | F030B23D018 | 237 | F030B33D001 | 237 | F030B43B030 | 235 | F030C23B006 | 235 | F030C33A033 |
| 237 | F030B23D030 | 237 | F030B33D006 | 237 | F030B43B033 | 235 | F030C23B012 | 235 | F030C33B000 |
| 237 | F030B23D033 | 237 | F030B33D012 | 237 | F030B43D000 | 235 | F030C23B018 | 235 | F030C33B001 |
| 236 | F030B31A000 | 237 | F030B33D018 | 237 | F030B43D001 | 235 | F030C23B030 | 235 | F030C33B006 |
| 236 | F030B31A001 | 237 | F030B33D030 | 237 | F030B43D006 | 235 | F030C23B033 | 235 | F030C33B012 |
| 236 | F030B31A006 | 237 | F030B33D033 | 237 | F030B43D012 | 235 | F030C23D000 | 235 | F030C33B018 |
| 236 | F030B31A012 | 236 | F030B41A000 | 237 | F030B43D018 | 235 | F030C23D001 | 235 | F030C33B030 |
| 236 | F030B31A018 | 236 | F030B41A001 | 237 | F030B43D030 | 235 | F030C23D006 | 235 | F030C33B033 |
| 236 | F030B31A030 | 236 | F030B41A006 | 237 | F030B43D033 | 235 | F030C23D012 | 235 | F030C33D000 |
| 236 | F030B31A033 | 236 | F030B41A012 | 234 | F030C21A000 | 235 | F030C23D018 | 235 | F030C33D001 |
| 236 | F030B31B000 | 236 | F030B41A018 | 234 | F030C21A001 | 235 | F030C23D030 | 235 | F030C33D006 |
| 236 | F030B31B001 | 236 | F030B41A030 | 234 | F030C21A006 | 235 | F030C23D033 | 235 | F030C33D012 |
| 236 | F030B31B006 | 236 | F030B41A033 | 234 | F030C21A012 | 234 | F030C31A000 | 235 | F030C33D018 |
| 236 | F030B31B012 | 236 | F030B41B000 | 234 | F030C21A018 | 234 | F030C31A001 | 235 | F030C33D030 |
| 236 | F030B31B018 | 236 | F030B41B001 | 234 | F030C21A030 | 234 | F030C31A006 | 235 | F030C33D033 |
| 236 | F030B31B030 | 236 | F030B41B006 | 234 | F030C21A033 | 234 | F030C31A012 | 234 | F030C41A000 |
| 236 | F030B31B033 | 236 | F030B41B012 | 234 | F030C21B000 | 234 | F030C31A018 | 234 | F030C41A001 |
| 236 | F030B31D000 | 236 | F030B41B018 | 234 | F030C21B001 | 234 | F030C31A030 | 234 | F030C41A006 |
| 236 | F030B31D001 | 236 | F030B41B030 | 234 | F030C21B006 | 234 | F030C31A033 | 234 | F030C41A012 |
| 236 | F030B31D006 | 236 | F030B41B033 | 234 | F030C21B012 | 234 | F030C31B000 | 234 | F030C41A018 |
| 236 | F030B31D012 | 236 | F030B41D000 | 234 | F030C21B018 | 234 | F030C31B001 | 234 | F030C41A030 |
| 236 | F030B31D018 | 236 | F030B41D001 | 234 | F030C21B030 | 234 | F030C31B006 | 234 | F030C41A033 |
| 236 | F030B31D030 | 236 | F030B41D006 | 234 | F030C21B033 | 234 | F030C31B012 | 234 | F030C41B000 |
| 236 | F030B31D033 | 236 | F030B41D012 | 234 | F030C21D000 | 234 | F030C31B018 | 234 | F030C41B001 |
| 236 | F030B32A000 | 236 | F030B41D018 | 234 | F030C21D001 | 234 | F030C31B030 | 234 | F030C41B006 |
| 236 | F030B32A001 | 236 | F030B41D030 | 234 | F030C21D006 | 234 | F030C31B033 | 234 | F030C41B012 |
| 236 | F030B32A006 | 236 | F030B41D033 | 234 | F030C21D012 | 234 | F030C31D000 | 234 | F030C41B018 |
| 236 | F030B32A012 | 236 | F030B42A000 | 234 | F030C21D018 | 234 | F030C31D001 | 234 | F030C41B030 |
| 236 | F030B32A018 | 236 | F030B42A001 | 234 | F030C21D030 | 234 | F030C31D006 | 234 | F030C41B033 |
| 236 | F030B32A030 | 236 | F030B42A006 | 234 | F030C21D033 | 234 | F030C31D012 | 234 | F030C41D000 |
| 236 | F030B32A033 | 236 | F030B42A012 | 234 | F030C22A000 | 234 | F030C31D018 | 234 | F030C41D001 |
| 236 | F030B32B000 | 236 | F030B42A018 | 234 | F030C22A001 | 234 | F030C31D030 | 234 | F030C41D006 |
| 236 | F030B32B001 | 236 | F030B42A030 | 234 | F030C22A006 | 234 | F030C31D033 | 234 | F030C41D012 |
| 236 | F030B32B006 | 236 | F030B42A033 | 234 | F030C22A012 | 234 | F030C32A000 | 234 | F030C41D018 |
| 236 | F030B32B012 | 236 | F030B42B000 | 234 | F030C22A018 | 234 | F030C32A001 | 234 | F030C41D030 |
| 236 | F030B32B018 | 236 | F030B42B001 | 234 | F030C22A030 | 234 | F030C32A006 | 234 | F030C41D033 |
| 236 | F030B32B030 | 236 | F030B42B006 | 234 | F030C22A033 | 234 | F030C32A012 | 234 | F030C42A000 |
| 236 | F030B32B033 | 236 | F030B42B012 | 234 | F030C22B000 | 234 | F030C32A018 | 234 | F030C42A001 |
| 236 | F030B32D000 | 236 | F030B42B018 | 234 | F030C22B001 | 234 | F030C32A030 | 234 | F030C42A006 |
| 236 | F030B32D001 | 236 | F030B42B030 | 234 | F030C22B006 | 234 | F030C32A033 | 234 | F030C42A012 |
| 236 | F030B32D006 | 236 | F030B42B033 | 234 | F030C22B012 | 234 | F030C32B000 | 234 | F030C42A018 |
| 236 | F030B32D012 | 236 | F030B42D000 | 234 | F030C22B018 | 234 | F030C32B001 | 234 | F030C42A030 |
| 236 | F030B32D018 | 236 | F030B42D001 | 234 | F030C22B030 | 234 | F030C32B006 | 234 | F030C42A033 |
| 236 | F030B32D030 | 236 | F030B42D006 | 234 | F030C22B033 | 234 | F030C32B012 | 234 | F030C42B000 |
| 236 | F030B32D033 | 236 | F030B42D012 | 234 | F030C22D000 | 234 | F030C32B018 | 234 | F030C42B001 |
| 237 | F030B33A000 | 236 | F030B42D018 | 234 | F030C22D001 | 234 | F030C32B030 | 234 | F030C42B006 |
| 237 | F030B33A001 | 236 | F030B42D030 | 234 | F030C22D006 | 234 | F030C32B033 | 234 | F030C42B012 |
| 237 | F030B33A006 | 236 | F030B42D033 | 234 | F030C22D012 | 234 | F030C32D000 | 234 | F030C42B018 |

| Page | Reference | Page | Reference | Page | Reference | Page | Reference | Page | Reference |
|---|---|---|---|---|---|---|---|---|---|
| 234 | F030C42B030 | 238 | F030D22B006 | 238 | F030D32A033 | 238 | F030D42A012 | 432 | F1110033-310.A |
| 234 | F030C42B033 | 238 | F030D22B012 | 238 | F030D32B000 | 238 | F030D42A018 | 432 | F1110033.A |
| 234 | F030C42D000 | 238 | F030D22B018 | 238 | F030D32B001 | 238 | F030D42A030 | 432 | F1111001-300.A |
| 234 | F030C42D001 | 238 | F030D22B030 | 238 | F030D32B006 | 238 | F030D42A033 | 432 | F1111001-310.A |
| 234 | F030C42D006 | 238 | F030D22B033 | 238 | F030D32B012 | 238 | F030D42B000 | 432 | F1111001.A |
| 234 | F030C42D012 | 238 | F030D22D000 | 238 | F030D32B018 | 238 | F030D42B001 | 432 | F1111006-300.A |
| 234 | F030C42D018 | 238 | F030D22D001 | 238 | F030D32B030 | 238 | F030D42B006 | 432 | F1111006-310.A |
| 234 | F030C42D030 | 238 | F030D22D006 | 238 | F030D32B033 | 238 | F030D42B012 | 432 | F1111006.A |
| 234 | F030C42D033 | 238 | F030D22D012 | 238 | F030D32D000 | 238 | F030D42B018 | 432 | F1111012-300.A |
| 235 | F030C43A000 | 238 | F030D22D018 | 238 | F030D32D001 | 238 | F030D42B030 | 432 | F1111012-310.A |
| 235 | F030C43A001 | 238 | F030D22D030 | 238 | F030D32D006 | 238 | F030D42B033 | 432 | F1111012.A |
| 235 | F030C43A006 | 238 | F030D22D033 | 238 | F030D32D012 | 238 | F030D42D000 | 432 | F1111018-300.A |
| 235 | F030C43A012 | 239 | F030D23A000 | 238 | F030D32D018 | 238 | F030D42D001 | 432 | F1111018-310.A |
| 235 | F030C43A018 | 239 | F030D23A001 | 238 | F030D32D030 | 238 | F030D42D006 | 432 | F1111018.A |
| 235 | F030C43A030 | 239 | F030D23A006 | 238 | F030D32D033 | 238 | F030D42D012 | 432 | F1111030-300.A |
| 235 | F030C43A033 | 239 | F030D23A012 | 239 | F030D33A000 | 238 | F030D42D018 | 432 | F1111030-310.A |
| 235 | F030C43B000 | 239 | F030D23A018 | 239 | F030D33A001 | 238 | F030D42D030 | 432 | F1111030.A |
| 235 | F030C43B001 | 239 | F030D23A030 | 239 | F030D33A006 | 238 | F030D42D033 | 432 | F1111033-300.A |
| 235 | F030C43B006 | 239 | F030D23A033 | 239 | F030D33A012 | 239 | F030D43A000 | 432 | F1111033-310.A |
| 235 | F030C43B012 | 239 | F030D23B000 | 239 | F030D33A018 | 239 | F030D43A001 | 432 | F1111033.A |
| 235 | F030C43B018 | 239 | F030D23B001 | 239 | F030D33A030 | 239 | F030D43A006 | 432 | F1112001-300.A |
| 235 | F030C43B030 | 239 | F030D23B006 | 239 | F030D33A033 | 239 | F030D43A012 | 432 | F1112001-310.A |
| 235 | F030C43B033 | 239 | F030D23B012 | 239 | F030D33B000 | 239 | F030D43A018 | 432 | F1112001.A |
| 235 | F030C43D000 | 239 | F030D23B018 | 239 | F030D33B001 | 239 | F030D43A030 | 432 | F1112006-300.A |
| 235 | F030C43D001 | 239 | F030D23B030 | 239 | F030D33B006 | 239 | F030D43A033 | 432 | F1112006-310.A |
| 235 | F030C43D006 | 239 | F030D23B033 | 239 | F030D33B012 | 239 | F030D43B000 | 432 | F1112006.A |
| 235 | F030C43D012 | 239 | F030D23D000 | 239 | F030D33B018 | 239 | F030D43B001 | 432 | F1112012-300.A |
| 235 | F030C43D018 | 239 | F030D23D001 | 239 | F030D33B030 | 239 | F030D43B006 | 432 | F1112012-310.A |
| 235 | F030C43D030 | 239 | F030D23D006 | 239 | F030D33B033 | 239 | F030D43B012 | 432 | F1112012.A |
| 235 | F030C43D033 | 239 | F030D23D012 | 239 | F030D33D000 | 239 | F030D43B018 | 432 | F1112018-300.A |
| 238 | F030D21A000 | 239 | F030D23D018 | 239 | F030D33D001 | 239 | F030D43B030 | 432 | F1112018-310.A |
| 238 | F030D21A001 | 239 | F030D23D030 | 239 | F030D33D006 | 239 | F030D43B033 | 432 | F1112018.A |
| 238 | F030D21A006 | 239 | F030D23D033 | 239 | F030D33D012 | 239 | F030D43D000 | 432 | F1112030-300.A |
| 238 | F030D21A012 | 238 | F030D31A000 | 239 | F030D33D018 | 239 | F030D43D001 | 432 | F1112030-310.A |
| 238 | F030D21A018 | 238 | F030D31A001 | 239 | F030D33D030 | 239 | F030D43D006 | 432 | F1112030.A |
| 238 | F030D21A030 | 238 | F030D31A006 | 239 | F030D33D033 | 239 | F030D43D012 | 432 | F1112033-300.A |
| 238 | F030D21A033 | 238 | F030D31A012 | 238 | F030D41A000 | 239 | F030D43D018 | 432 | F1112033-310.A |
| 238 | F030D21B000 | 238 | F030D31A018 | 238 | F030D41A001 | 239 | F030D43D030 | 432 | F1112033.A |
| 238 | F030D21B001 | 238 | F030D31A030 | 238 | F030D41A006 | 239 | F030D43D033 | 432 | F1113001-300.A |
| 238 | F030D21B006 | 238 | F030D31A033 | 238 | F030D41A012 | 237 | F030Z010000 | 432 | F1113001-310.A |
| 238 | F030D21B012 | 238 | F030D31B000 | 238 | F030D41A018 | 239 | F030Z020000 | 432 | F1113001.A |
| 238 | F030D21B018 | 238 | F030D31B001 | 238 | F030D41A030 | 204 | F038AAAA0ZZ | 432 | F1113006-300.A |
| 238 | F030D21B030 | 238 | F030D31B006 | 238 | F030D41A033 | 204 | F038AABA0ZZ | 432 | F1113006-310.A |
| 238 | F030D21B033 | 238 | F030D31B012 | 238 | F030D41B000 | 204 | F038AACA0ZZ | 432 | F1113006.A |
| 238 | F030D21D000 | 238 | F030D31B018 | 238 | F030D41B001 | 432 | F1110001-300.A | 432 | F1113012-300.A |
| 238 | F030D21D001 | 238 | F030D31B030 | 238 | F030D41B006 | 432 | F1110001-310.A | 432 | F1113012-310.A |
| 238 | F030D21D006 | 238 | F030D31B033 | 238 | F030D41B012 | 432 | F1110001.A | 432 | F1113012.A |
| 238 | F030D21D012 | 238 | F030D31D000 | 238 | F030D41B018 | 432 | F1110006-300.A | 432 | F1113018-300.A |
| 238 | F030D21D018 | 238 | F030D31D001 | 238 | F030D41B030 | 432 | F1110006-310.A | 432 | F1113018-310.A |
| 238 | F030D21D030 | 238 | F030D31D006 | 238 | F030D41B033 | 432 | F1110006.A | 432 | F1113018.A |
| 238 | F030D21D033 | 238 | F030D31D012 | 238 | F030D41D000 | 432 | F1110012-300.A | 432 | F1113030-300.A |
| 238 | F030D22A000 | 238 | F030D31D018 | 238 | F030D41D001 | 432 | F1110012-310.A | 432 | F1113030-310.A |
| 238 | F030D22A001 | 238 | F030D31D030 | 238 | F030D41D006 | 432 | F1110012.A | 432 | F1113030.A |
| 238 | F030D22A006 | 238 | F030D31D033 | 238 | F030D41D012 | 432 | F1110018-300.A | 432 | F1113033-300.A |
| 238 | F030D22A012 | 238 | F030D32A000 | 238 | F030D41D018 | 432 | F1110018-310.A | 432 | F1113033-310.A |
| 238 | F030D22A018 | 238 | F030D32A001 | 238 | F030D41D030 | 432 | F1110018.A | 432 | F1113033.A |
| 238 | F030D22A030 | 238 | F030D32A006 | 238 | F030D41D033 | 432 | F1110030-300.A | 432 | F1114001-300.A |
| 238 | F030D22A033 | 238 | F030D32A012 | 238 | F030D42A000 | 432 | F1110030-310.A | 432 | F1114001-310.A |
| 238 | F030D22B000 | 238 | F030D32A018 | 238 | F030D42A001 | 432 | F1110030.A | 432 | F1114001.A |
| 238 | F030D22B001 | 238 | F030D32A030 | 238 | F030D42A006 | 432 | F1110033-300.A | 432 | F1114006-300.A |

| Page | Reference | Page | Reference | Page | Reference | Page | Reference | Page | Reference |
|---|---|---|---|---|---|---|---|---|---|
| 432 | F1114006-310.A | 433 | F1117018-310.A | 433 | F1120033-310.A | 434 | F1142006-300.B | 434 | F1145018-300.A |
| 432 | F1114006.A | 433 | F1117018.A | 433 | F1120033.A | 434 | F1142006-310.A | 434 | F1145018-310 |
| 432 | F1114012-300.A | 433 | F1117030-300.A | 433 | F1121001-300.A | 434 | F1142012 | 434 | F1145030 |
| 432 | F1114012-310.A | 433 | F1117030-310.A | 433 | F1121001-310.A | 434 | F1142012-300.B | 434 | F1145030-300.A |
| 432 | F1114012.A | 433 | F1117030.A | 433 | F1121001.A | 434 | F1142012-310.A | 434 | F1145030-310 |
| 432 | F1114018-300.A | 433 | F1117033-300.A | 433 | F1121006-300.A | 434 | F1142018 | 434 | F1145033 |
| 432 | F1114018-310.A | 433 | F1117033-310.A | 433 | F1121006-310.A | 434 | F1142018-300.B | 434 | F1145033-300.A |
| 432 | F1114018.A | 433 | F1117033.A | 433 | F1121006.A | 434 | F1142018-310.A | 434 | F1145033-310 |
| 432 | F1114030-300.A | 433 | F1118001-300.A | 433 | F1121012-300.A | 434 | F1142030 | 435 | F1146001 |
| 432 | F1114030-310.A | 433 | F1118001-310.A | 433 | F1121012-310.A | 434 | F1142030-300.B | 435 | F1146001-300.B |
| 432 | F1114030.A | 433 | F1118001.A | 433 | F1121012.A | 434 | F1142030-310.A | 435 | F1146001-310.A |
| 432 | F1114033-300.A | 433 | F1118006-300.A | 433 | F1121018-300.A | 434 | F1142033 | 435 | F1146006 |
| 432 | F1114033-310.A | 433 | F1118006-310.A | 433 | F1121018-310.A | 434 | F1142033-300.B | 435 | F1146006-300.B |
| 432 | F1114033.A | 433 | F1118006.A | 433 | F1121018.A | 434 | F1142033-310.A | 435 | F1146006-310.A |
| 432 | F1115001-300.A | 433 | F1118012-300.A | 433 | F1121030-300.A | 434 | F1143001 | 435 | F1146012 |
| 432 | F1115001-310.A | 433 | F1118012-310.A | 433 | F1121030-310.A | 434 | F1143001-300.B | 435 | F1146012-300.B |
| 432 | F1115001.A | 433 | F1118012.A | 433 | F1121030.A | 434 | F1143001-310.A | 435 | F1146012-310.A |
| 432 | F1115006-300.A | 433 | F1118018-300.A | 433 | F1121033-300.A | 434 | F1143006 | 435 | F1146018 |
| 432 | F1115006-310.A | 433 | F1118018-310.A | 433 | F1121033-310.A | 434 | F1143006-300.B | 435 | F1146018-300.B |
| 432 | F1115006.A | 433 | F1118018.A | 433 | F1121033.A | 434 | F1143006-310.A | 435 | F1146018-310.A |
| 432 | F1115012-300.A | 433 | F1118030-300.A | 434 | F1140001 | 434 | F1143012 | 435 | F1146030 |
| 432 | F1115012-310.A | 433 | F1118030-310.A | 434 | F1140001-300.B | 434 | F1143012-300.B | 435 | F1146030-300.B |
| 432 | F1115012.A | 433 | F1118030.A | 434 | F1140001-310.A | 434 | F1143012-310.A | 435 | F1146030-310.A |
| 432 | F1115018-300.A | 433 | F1118033-300.A | 434 | F1140006 | 434 | F1143018 | 435 | F1146033 |
| 432 | F1115018-310.A | 433 | F1118033-310.A | 434 | F1140006-300.B | 434 | F1143018-300.B | 435 | F1146033-300.B |
| 432 | F1115018.A | 433 | F1118033.A | 434 | F1140006-310.A | 434 | F1143018-310.A | 435 | F1146033-310.A |
| 432 | F1115030-300.A | 433 | F1119001-300.A | 434 | F1140012 | 434 | F1143030 | 435 | F1147001 |
| 432 | F1115030-310.A | 433 | F1119001-310.A | 434 | F1140012-300.B | 434 | F1143030-300.B | 435 | F1147001-300.B |
| 432 | F1115030.A | 433 | F1119001.A | 434 | F1140012-310.A | 434 | F1143030-310.A | 435 | F1147001-310.A |
| 432 | F1115033-300.A | 433 | F1119006-300.A | 434 | F1140018 | 434 | F1143033 | 435 | F1147006 |
| 432 | F1115033-310.A | 433 | F1119006-310.A | 434 | F1140018-300.B | 434 | F1143033-300.B | 435 | F1147006-300.B |
| 432 | F1115033.A | 433 | F1119006.A | 434 | F1140018-310.A | 434 | F1143033-310.A | 435 | F1147006-310.A |
| 433 | F1116001-300.A | 433 | F1119012-300.A | 434 | F1140030 | 434 | F1144001 | 435 | F1147012 |
| 433 | F1116001-310.A | 433 | F1119012-310.A | 434 | F1140030-300.B | 434 | F1144001-300.B | 435 | F1147012-300.B |
| 433 | F1116001.A | 433 | F1119012.A | 434 | F1140030-310.A | 434 | F1144001-310.A | 435 | F1147012-310.A |
| 433 | F1116006-300.A | 433 | F1119018-300.A | 434 | F1140033 | 434 | F1144006 | 435 | F1147018 |
| 433 | F1116006-310.A | 433 | F1119018-310.A | 434 | F1140033-300.B | 434 | F1144006-300.B | 435 | F1147018-300.B |
| 433 | F1116006.A | 433 | F1119018.A | 434 | F1140033-310.A | 434 | F1144006-310.A | 435 | F1147018-310.A |
| 433 | F1116012-300.A | 433 | F1119030-300.A | 434 | F1141001 | 434 | F1144012 | 435 | F1147030 |
| 433 | F1116012-310.A | 433 | F1119030-310.A | 434 | F1141001-300.B | 434 | F1144012-300.B | 435 | F1147030-300.B |
| 433 | F1116012.A | 433 | F1119030.A | 434 | F1141001-310.A | 434 | F1144012-310.A | 435 | F1147030-310.A |
| 433 | F1116018-300.A | 433 | F1119033-300.A | 434 | F1141006 | 434 | F1144018 | 435 | F1147033 |
| 433 | F1116018-310.A | 433 | F1119033-310.A | 434 | F1141006-300.B | 434 | F1144018-300.B | 435 | F1147033-300.B |
| 433 | F1116018.A | 433 | F1119033.A | 434 | F1141006-310.A | 434 | F1144018-310.A | 435 | F1147033-310.A |
| 433 | F1116030-300.A | 433 | F1120001-300.A | 434 | F1141012 | 434 | F1144030 | 435 | F1148001 |
| 433 | F1116030-310.A | 433 | F1120001-310.A | 434 | F1141012-300.B | 434 | F1144030-300.B | 435 | F1148001-300.B |
| 433 | F1116030.A | 433 | F1120001.A | 434 | F1141012-310.A | 434 | F1144030-310.A | 435 | F1148001-310.A |
| 433 | F1116033-300.A | 433 | F1120006-300.A | 434 | F1141018 | 434 | F1144033 | 435 | F1148006 |
| 433 | F1116033-310.A | 433 | F1120006-310.A | 434 | F1141018-300.B | 434 | F1144033-300.B | 435 | F1148006-300.B |
| 433 | F1116033.A | 433 | F1120006.A | 434 | F1141018-310.A | 434 | F1144033-310.A | 435 | F1148006-310.A |
| 433 | F1117001-300.A | 433 | F1120012-300.A | 434 | F1141030 | 434 | F1145001 | 435 | F1148012 |
| 433 | F1117001-310.A | 433 | F1120012-310.A | 434 | F1141030-300.B | 434 | F1145001-300.A | 435 | F1148012-300.B |
| 433 | F1117001.A | 433 | F1120012.A | 434 | F1141030-310.A | 434 | F1145001-310 | 435 | F1148012-310.A |
| 433 | F1117006-300.A | 433 | F1120018-300.A | 434 | F1141033 | 434 | F1145006 | 435 | F1148018 |
| 433 | F1117006-310.A | 433 | F1120018-310.A | 434 | F1141033-300.B | 434 | F1145006-300.A | 435 | F1148018-300.B |
| 433 | F1117006.A | 433 | F1120018.A | 434 | F1141033-310.A | 434 | F1145006-310 | 435 | F1148018-310.A |
| 433 | F1117012-300.A | 433 | F1120030-300.A | 434 | F1142001 | 434 | F1145012 | 435 | F1148030 |
| 433 | F1117012-310.A | 433 | F1120030-310.A | 434 | F1142001-300.B | 434 | F1145012-300.A | 435 | F1148030-300.B |
| 433 | F1117012.A | 433 | F1120030.A | 434 | F1142001-310.A | 434 | F1145012-310 | 435 | F1148030-310.A |
| 433 | F1117018-300.A | 433 | F1120033-300.A | 434 | F1142006 | 434 | F1145018 | 435 | F1148033 |

| Page | Reference | Page | Reference | Page | Reference | Page | Reference | Page | Reference |
|---|---|---|---|---|---|---|---|---|---|
| 435 | F1148033-300.B | 436 | F1170006-300.A | 436 | F1173018-300.A | 437 | F1176033-300.A | 437 | F1180006-300.A |
| 435 | F1148033-310.A | 436 | F1170006-310.A | 436 | F1173018-310.A | 437 | F1176033-310.A | 437 | F1180006-310.A |
| 435 | F1149001 | 436 | F1170012 | 436 | F1173030 | 437 | F1177001 | 437 | F1180012 |
| 435 | F1149001-300.B | 436 | F1170012-300.A | 436 | F1173030-300.A | 437 | F1177001-300.A | 437 | F1180012-300.A |
| 435 | F1149001-310.A | 436 | F1170012-310.A | 436 | F1173030-310.A | 437 | F1177001-310.A | 437 | F1180012-310.A |
| 435 | F1149006 | 436 | F1170018 | 436 | F1173033 | 437 | F1177006 | 437 | F1180018 |
| 435 | F1149006-300.B | 436 | F1170018-300.A | 436 | F1173033-300.A | 437 | F1177006-300.A | 437 | F1180018-300.A |
| 435 | F1149006-310.A | 436 | F1170018-310.A | 436 | F1173033-310.A | 437 | F1177006-310.A | 437 | F1180018-310.A |
| 435 | F1149012 | 436 | F1170030 | 436 | F1174001 | 437 | F1177012 | 437 | F1180030 |
| 435 | F1149012-300.B | 436 | F1170030-300.A | 436 | F1174001-300.A | 437 | F1177012-300.A | 437 | F1180030-300.A |
| 435 | F1149012-310.A | 436 | F1170030-310.A | 436 | F1174001-310.A | 437 | F1177012-310.A | 437 | F1180030-310.A |
| 435 | F1149018 | 436 | F1170033 | 436 | F1174006 | 437 | F1177018 | 437 | F1180033 |
| 435 | F1149018-300.B | 436 | F1170033-300.A | 436 | F1174006-300.A | 437 | F1177018-300.A | 437 | F1180033-300.A |
| 435 | F1149018-310.A | 436 | F1170033-310.A | 436 | F1174006-310.A | 437 | F1177018-310.A | 437 | F1180033-310.A |
| 435 | F1149030 | 436 | F1171001 | 436 | F1174012 | 437 | F1177030 | 437 | F1181001 |
| 435 | F1149030-300.B | 436 | F1171001-300.A | 436 | F1174012-300.A | 437 | F1177030-300.A | 437 | F1181001-300.A |
| 435 | F1149030-310.A | 436 | F1171001-310.A | 436 | F1174012-310.A | 437 | F1177030-310.A | 437 | F1181001-310.A |
| 435 | F1149033 | 436 | F1171006 | 436 | F1174018 | 437 | F1177033 | 437 | F1181006 |
| 435 | F1149033-300.B | 436 | F1171006-300.A | 436 | F1174018-300.A | 437 | F1177033-300.A | 437 | F1181006-300.A |
| 435 | F1149033-310.A | 436 | F1171006-310.A | 436 | F1174018-310.A | 437 | F1177033-310.A | 437 | F1181006-310.A |
| 435 | F1150001 | 436 | F1171012 | 436 | F1174030 | 437 | F1178001 | 437 | F1181012 |
| 435 | F1150001-300.B | 436 | F1171012-300.A | 436 | F1174030-300.A | 437 | F1178001-300.A | 437 | F1181012-300.A |
| 435 | F1150001-310.A | 436 | F1171012-310.A | 436 | F1174030-310.A | 437 | F1178001-310.A | 437 | F1181012-310.A |
| 435 | F1150006 | 436 | F1171018 | 436 | F1174033 | 437 | F1178006 | 437 | F1181018 |
| 435 | F1150006-300.B | 436 | F1171018-300.A | 436 | F1174033-300.A | 437 | F1178006-300.A | 437 | F1181018-300.A |
| 435 | F1150006-310.A | 436 | F1171018-310.A | 436 | F1174033-310.A | 437 | F1178006-310.A | 437 | F1181018-310.A |
| 435 | F1150012 | 436 | F1171030 | 436 | F1175001 | 437 | F1178012 | 437 | F1181030 |
| 435 | F1150012-300.B | 436 | F1171030-300.A | 436 | F1175001-300.A | 437 | F1178012-300.A | 437 | F1181030-300.A |
| 435 | F1150012-310.A | 436 | F1171030-310.A | 436 | F1175001-310.A | 437 | F1178012-310.A | 437 | F1181030-310.A |
| 435 | F1150018 | 436 | F1171033 | 436 | F1175006 | 437 | F1178018 | 437 | F1181033 |
| 435 | F1150018-300.B | 436 | F1171033-300.A | 436 | F1175006-300.A | 437 | F1178018-300.A | 437 | F1181033-300.A |
| 435 | F1150018-310.A | 436 | F1171033-310.A | 436 | F1175006-310.A | 437 | F1178018-310.A | 437 | F1181033-310.A |
| 435 | F1150030 | 436 | F1172001 | 436 | F1175012 | 437 | F1178030 | 640 | F1203001 |
| 435 | F1150030-300.B | 436 | F1172001-300.A | 436 | F1175012-300.A | 437 | F1178030-300.A | 640 | F1203006 |
| 435 | F1150030-310.A | 436 | F1172001-310.A | 436 | F1175012-310.A | 437 | F1178030-310.A | 640 | F1203012 |
| 435 | F1150033 | 436 | F1172006 | 436 | F1175018 | 437 | F1178033 | 640 | F1203018 |
| 435 | F1150033-300.B | 436 | F1172006-300.A | 436 | F1175018-300.A | 437 | F1178033-300.A | 640 | F1203030 |
| 435 | F1150033-310.A | 436 | F1172006-310.A | 436 | F1175018-310.A | 437 | F1178033-310.A | 640 | F1203033 |
| 435 | F1151001 | 436 | F1172012 | 436 | F1175030 | 437 | F1179001 | 640 | F1204001 |
| 435 | F1151001-300.B | 436 | F1172012-300.A | 436 | F1175030-300.A | 437 | F1179001-300.A | 640 | F1204006 |
| 435 | F1151001-310.A | 436 | F1172012-310.A | 436 | F1175030-310.A | 437 | F1179001-310.A | 640 | F1204012 |
| 435 | F1151006 | 436 | F1172018 | 436 | F1175033 | 437 | F1179006 | 640 | F1204018 |
| 435 | F1151006-300.B | 436 | F1172018-300.A | 436 | F1175033-300.A | 437 | F1179006-300.A | 640 | F1204030 |
| 435 | F1151006-310.A | 436 | F1172018-310.A | 436 | F1175033-310.A | 437 | F1179006-310.A | 640 | F1204033 |
| 435 | F1151012 | 436 | F1172030 | 437 | F1176001 | 437 | F1179012 | 333 | F1207000 |
| 435 | F1151012-300.B | 436 | F1172030-300.A | 437 | F1176001-300.A | 437 | F1179012-300.A | 333 | F1208000 |
| 435 | F1151012-310.A | 436 | F1172030-310.A | 437 | F1176001-310.A | 437 | F1179012-310.A | 328 | F1209000 |
| 435 | F1151018 | 436 | F1172033 | 437 | F1176006 | 437 | F1179018 | 329 | F1210001 |
| 435 | F1151018-300.B | 436 | F1172033-300.A | 437 | F1176006-300.A | 437 | F1179018-300.A | 329 | F1210006 |
| 435 | F1151018-310.A | 436 | F1172033-310.A | 437 | F1176006-310.A | 437 | F1179018-310.A | 329 | F1210012 |
| 435 | F1151030 | 436 | F1173001 | 437 | F1176012 | 437 | F1179030 | 329 | F1210018 |
| 435 | F1151030-300.B | 436 | F1173001-300.A | 437 | F1176012-300.A | 437 | F1179030-300.A | 329 | F1210030 |
| 435 | F1151030-310.A | 436 | F1173001-310.A | 437 | F1176012-310.A | 437 | F1179030-310.A | 329 | F1210033 |
| 435 | F1151033 | 436 | F1173006 | 437 | F1176018 | 437 | F1179033 | 329 | F1211001 |
| 435 | F1151033-300.B | 436 | F1173006-300.A | 437 | F1176018-300.A | 437 | F1179033-300.A | 329 | F1211006 |
| 435 | F1151033-310.A | 436 | F1173006-310.A | 437 | F1176018-310.A | 437 | F1179033-310.A | 329 | F1211012 |
| 436 | F1170001 | 436 | F1173012 | 437 | F1176030 | 437 | F1180001 | 329 | F1211018 |
| 436 | F1170001-300.A | 436 | F1173012-300.A | 437 | F1176030-300.A | 437 | F1180001-300.A | 329 | F1211030 |
| 436 | F1170001-310.A | 436 | F1173012-310.A | 437 | F1176030-310.A | 437 | F1180001-310.A | 329 | F1211033 |
| 436 | F1170006 | 436 | F1173018 | 437 | F1176033 | 437 | F1180006 | 329 | F1212001 |

| Page | Reference | Page | Reference | Page | Reference | Page | Reference | Page | Reference |
|---|---|---|---|---|---|---|---|---|---|
| 329 | F1212006 | 330 | F1231001-300 | 330 | F1234012-300 | 330 | F1237030-300 | 331 | F1256006 |
| 329 | F1212012 | 330 | F1231001-310 | 330 | F1234012-310 | 330 | F1237030-310 | 331 | F1256012 |
| 329 | F1212018 | 330 | F1231006 | 330 | F1234018 | 330 | F1237033 | 331 | F1256018 |
| 329 | F1212030 | 330 | F1231006-300 | 330 | F1234018-300 | 330 | F1237033-300 | 331 | F1256030 |
| 329 | F1212033 | 330 | F1231006-310 | 330 | F1234018-310 | 330 | F1237033-310 | 331 | F1256033 |
| 329 | F1213001 | 330 | F1231012 | 330 | F1234030 | 330 | F1238001 | 331 | F1257001 |
| 329 | F1213006 | 330 | F1231012-300 | 330 | F1234030-300 | 330 | F1238001-300 | 331 | F1257006 |
| 329 | F1213012 | 330 | F1231012-310 | 330 | F1234030-310 | 330 | F1238001-310 | 331 | F1257012 |
| 329 | F1213018 | 330 | F1231018 | 330 | F1234033 | 330 | F1238006 | 331 | F1257018 |
| 329 | F1213030 | 330 | F1231018-300 | 330 | F1234033-300 | 330 | F1238006-300 | 331 | F1257030 |
| 329 | F1213033 | 330 | F1231018-310 | 330 | F1234033-310 | 330 | F1238006-310 | 331 | F1257033 |
| 329 | F1214001 | 330 | F1231030 | 330 | F1235001 | 330 | F1238012 | 331 | F1258001 |
| 329 | F1214006 | 330 | F1231030-300 | 330 | F1235001-300 | 330 | F1238012-300 | 331 | F1258006 |
| 329 | F1214012 | 330 | F1231030-310 | 330 | F1235001-310 | 330 | F1238012-310 | 331 | F1258012 |
| 329 | F1214018 | 330 | F1231033 | 330 | F1235006 | 330 | F1238018 | 331 | F1258018 |
| 329 | F1214030 | 330 | F1231033-300 | 330 | F1235006-300 | 330 | F1238018-300 | 331 | F1258030 |
| 329 | F1214033 | 330 | F1231033-310 | 330 | F1235006-310 | 330 | F1238018-310 | 331 | F1258033 |
| 329 | F1215001 | 330 | F1232001 | 330 | F1235012 | 330 | F1238030 | 332 | F1270001 |
| 329 | F1215006 | 330 | F1232001-300 | 330 | F1235012-300 | 330 | F1238030-300 | 332 | F1270001-300 |
| 329 | F1215012 | 330 | F1232001-310 | 330 | F1235012-310 | 330 | F1238030-310 | 332 | F1270001-310 |
| 329 | F1215018 | 330 | F1232006 | 330 | F1235018 | 330 | F1238033 | 332 | F1270006 |
| 329 | F1215030 | 330 | F1232006-300 | 330 | F1235018-300 | 330 | F1238033-300 | 332 | F1270006-300 |
| 329 | F1215033 | 330 | F1232006-310 | 330 | F1235018-310 | 330 | F1238033-310 | 332 | F1270006-310 |
| 329 | F1216001 | 330 | F1232012 | 330 | F1235030 | 331 | F1250001 | 332 | F1270012 |
| 329 | F1216006 | 330 | F1232012-300 | 330 | F1235030-300 | 331 | F1250006 | 332 | F1270012-300 |
| 329 | F1216012 | 330 | F1232012-310 | 330 | F1235030-310 | 331 | F1250012 | 332 | F1270012-310 |
| 329 | F1216018 | 330 | F1232018 | 330 | F1235033 | 331 | F1250018 | 332 | F1270018 |
| 329 | F1216030 | 330 | F1232018-300 | 330 | F1235033-300 | 331 | F1250030 | 332 | F1270018-300 |
| 329 | F1216033 | 330 | F1232018-310 | 330 | F1235033-310 | 331 | F1250033 | 332 | F1270018-310 |
| 329 | F1217001 | 330 | F1232030 | 330 | F1236001 | 331 | F1251001 | 332 | F1270030 |
| 329 | F1217006 | 330 | F1232030-300 | 330 | F1236001-300 | 331 | F1251006 | 332 | F1270030-300 |
| 329 | F1217012 | 330 | F1232030-310 | 330 | F1236001-310 | 331 | F1251012 | 332 | F1270030-310 |
| 329 | F1217018 | 330 | F1232033 | 330 | F1236006 | 331 | F1251018 | 332 | F1270033 |
| 329 | F1217030 | 330 | F1232033-300 | 330 | F1236006-300 | 331 | F1251030 | 332 | F1270033-300 |
| 329 | F1217033 | 330 | F1232033-310 | 330 | F1236006-310 | 331 | F1251033 | 332 | F1270033-310 |
| 329 | F1218001 | 330 | F1233001 | 330 | F1236012 | 331 | F1252001 | 332 | F1271001 |
| 329 | F1218006 | 330 | F1233001-300 | 330 | F1236012-300 | 331 | F1252006 | 332 | F1271001-300 |
| 329 | F1218012 | 330 | F1233001-310 | 330 | F1236012-310 | 331 | F1252012 | 332 | F1271001-310 |
| 329 | F1218018 | 330 | F1233006 | 330 | F1236018 | 331 | F1252018 | 332 | F1271006 |
| 329 | F1218030 | 330 | F1233006-300 | 330 | F1236018-300 | 331 | F1252030 | 332 | F1271006-300 |
| 329 | F1218033 | 330 | F1233006-310 | 330 | F1236018-310 | 331 | F1252033 | 332 | F1271006-310 |
| 330 | F1230001 | 330 | F1233012 | 330 | F1236030 | 331 | F1253001 | 332 | F1271012 |
| 330 | F1230001-300 | 330 | F1233012-300 | 330 | F1236030-300 | 331 | F1253006 | 332 | F1271012-300 |
| 330 | F1230001-310 | 330 | F1233012-310 | 330 | F1236030-310 | 331 | F1253012 | 332 | F1271012-310 |
| 330 | F1230006 | 330 | F1233018 | 330 | F1236033 | 331 | F1253018 | 332 | F1271018 |
| 330 | F1230006-300 | 330 | F1233018-300 | 330 | F1236033-300 | 331 | F1253030 | 332 | F1271018-300 |
| 330 | F1230006-310 | 330 | F1233018-310 | 330 | F1236033-310 | 331 | F1253033 | 332 | F1271018-310 |
| 330 | F1230012 | 330 | F1233030 | 330 | F1237001 | 331 | F1254001 | 332 | F1271030 |
| 330 | F1230012-300 | 330 | F1233030-300 | 330 | F1237001-300 | 331 | F1254006 | 332 | F1271030-300 |
| 330 | F1230012-310 | 330 | F1233030-310 | 330 | F1237001-310 | 331 | F1254012 | 332 | F1271030-310 |
| 330 | F1230018 | 330 | F1233033 | 330 | F1237006 | 331 | F1254018 | 332 | F1271033 |
| 330 | F1230018-300 | 330 | F1233033-300 | 330 | F1237006-300 | 331 | F1254030 | 332 | F1271033-300 |
| 330 | F1230018-310 | 330 | F1233033-310 | 330 | F1237006-310 | 331 | F1254033 | 332 | F1271033-310 |
| 330 | F1230030 | 330 | F1234001 | 330 | F1237012 | 331 | F1255001 | 332 | F1272001 |
| 330 | F1230030-300 | 330 | F1234001-300 | 330 | F1237012-300 | 331 | F1255006 | 332 | F1272001-300 |
| 330 | F1230030-310 | 330 | F1234001-310 | 330 | F1237012-310 | 331 | F1255012 | 332 | F1272001-310 |
| 330 | F1230033 | 330 | F1234006 | 330 | F1237018 | 331 | F1255018 | 332 | F1272006 |
| 330 | F1230033-300 | 330 | F1234006-300 | 330 | F1237018-300 | 331 | F1255030 | 332 | F1272006-300 |
| 330 | F1230033-310 | 330 | F1234006-310 | 330 | F1237018-310 | 331 | F1255033 | 332 | F1272006-310 |
| 330 | F1231001 | 330 | F1234012 | 330 | F1237030 | 331 | F1256001 | 332 | F1272012 |

| Page | Reference | Page | Reference | Page | Reference | Page | Reference | Page | Reference |
|---|---|---|---|---|---|---|---|---|---|
| 332 | F1272012-300 | 332 | F1275030-300 | 422 | F1310001 | 422 | F1316000-300 | 328 | F1330089.A |
| 332 | F1272012-310 | 332 | F1275030-310 | 422 | F1310006 | 422 | F1316000-310 | 328 | F1331089.A |
| 332 | F1272018 | 332 | F1275033 | 422 | F1310012 | 422 | F1316001 | 328 | F1332089.A |
| 332 | F1272018-300 | 332 | F1275033-300 | 422 | F1310018 | 422 | F1316001-300 | 476 | F2250001 |
| 332 | F1272018-310 | 332 | F1275033-310 | 422 | F1310030 | 422 | F1316001-310 | 476 | F2250006 |
| 332 | F1272030 | 332 | F1276001 | 422 | F1310033 | 422 | F1316006 | 476 | F2250012 |
| 332 | F1272030-300 | 332 | F1276001-300 | 422 | F1310087 | 422 | F1316006-300 | 476 | F2250018 |
| 332 | F1272030-310 | 332 | F1276001-310 | 422 | F1310089 | 422 | F1316006-310 | 476 | F2250030 |
| 332 | F1272033 | 332 | F1276006 | 422 | F1310090 | 422 | F1316012 | 476 | F2250033 |
| 332 | F1272033-300 | 332 | F1276006-300 | 422 | F1311000 | 422 | F1316012-300 | 476 | F2251001 |
| 332 | F1272033-310 | 332 | F1276006-310 | 422 | F1311001 | 422 | F1316012-310 | 476 | F2251006 |
| 332 | F1273001 | 332 | F1276012 | 422 | F1311006 | 422 | F1316018 | 476 | F2251012 |
| 332 | F1273001-300 | 332 | F1276012-300 | 422 | F1311012 | 422 | F1316018-300 | 476 | F2251018 |
| 332 | F1273001-310 | 332 | F1276012-310 | 422 | F1311018 | 422 | F1316018-310 | 476 | F2251030 |
| 332 | F1273006 | 332 | F1276018 | 422 | F1311030 | 422 | F1316030 | 476 | F2251033 |
| 332 | F1273006-300 | 332 | F1276018-300 | 422 | F1311033 | 422 | F1316030-300 | 476 | F2252001 |
| 332 | F1273006-310 | 332 | F1276018-310 | 422 | F1311087 | 422 | F1316030-310 | 476 | F2252006 |
| 332 | F1273012 | 332 | F1276030 | 422 | F1311089 | 422 | F1316033 | 476 | F2252012 |
| 332 | F1273012-300 | 332 | F1276030-300 | 422 | F1311090 | 422 | F1316033-300 | 476 | F2252018 |
| 332 | F1273012-310 | 332 | F1276030-310 | 422 | F1312000 | 422 | F1316033-310 | 476 | F2252030 |
| 332 | F1273018 | 332 | F1276033 | 422 | F1312001 | 422 | F1316087 | 476 | F2252033 |
| 332 | F1273018-300 | 332 | F1276033-300 | 422 | F1312006 | 422 | F1316087-300 | 476 | F2260001 |
| 332 | F1273018-310 | 332 | F1276033-310 | 422 | F1312012 | 422 | F1316087-310 | 476 | F2260006 |
| 332 | F1273030 | 332 | F1277001 | 422 | F1312018 | 422 | F1316089 | 476 | F2260012 |
| 332 | F1273030-300 | 332 | F1277001-300 | 422 | F1312030 | 422 | F1316089-300 | 476 | F2260018 |
| 332 | F1273030-310 | 332 | F1277001-310 | 422 | F1312033 | 422 | F1316089-310 | 476 | F2260030 |
| 332 | F1273033 | 332 | F1277006 | 422 | F1312087 | 422 | F1316090 | 476 | F2260033 |
| 332 | F1273033-300 | 332 | F1277006-300 | 422 | F1312089 | 422 | F1316090-300 | 476 | F2261001 |
| 332 | F1273033-310 | 332 | F1277006-310 | 422 | F1312090 | 422 | F1316090-310 | 476 | F2261006 |
| 332 | F1274001 | 332 | F1277012 | 422 | F1315000 | 422 | F1317000 | 476 | F2261012 |
| 332 | F1274001-300 | 332 | F1277012-300 | 422 | F1315000-300 | 422 | F1317000-300 | 476 | F2261018 |
| 332 | F1274001-310 | 332 | F1277012-310 | 422 | F1315000-310 | 422 | F1317000-310 | 476 | F2261030 |
| 332 | F1274006 | 332 | F1277018 | 422 | F1315001 | 422 | F1317001 | 476 | F2261033 |
| 332 | F1274006-300 | 332 | F1277018-300 | 422 | F1315001-300 | 422 | F1317001-300 | 476 | F2262001 |
| 332 | F1274006-310 | 332 | F1277018-310 | 422 | F1315001-310 | 422 | F1317001-310 | 476 | F2262006 |
| 332 | F1274012 | 332 | F1277030 | 422 | F1315006 | 422 | F1317006 | 476 | F2262012 |
| 332 | F1274012-300 | 332 | F1277030-300 | 422 | F1315006-300 | 422 | F1317006-300 | 476 | F2262018 |
| 332 | F1274012-310 | 332 | F1277030-310 | 422 | F1315006-310 | 422 | F1317006-310 | 476 | F2262030 |
| 332 | F1274018 | 332 | F1277033 | 422 | F1315012 | 422 | F1317012 | 476 | F2262033 |
| 332 | F1274018-300 | 332 | F1277033-300 | 422 | F1315012-300 | 422 | F1317012-300 | 415 | F4301000 |
| 332 | F1274018-310 | 332 | F1277033-310 | 422 | F1315012-310 | 422 | F1317012-310 | 415 | F4302000 |
| 332 | F1274030 | 332 | F1278001 | 422 | F1315018 | 422 | F1317018 | 415 | F4303000 |
| 332 | F1274030-300 | 332 | F1278001-300 | 422 | F1315018-300 | 422 | F1317018-300 | 414 | F4350001 |
| 332 | F1274030-310 | 332 | F1278001-310 | 422 | F1315018-310 | 422 | F1317018-310 | 414 | F4350006 |
| 332 | F1274033 | 332 | F1278006 | 422 | F1315030 | 422 | F1317030 | 414 | F4350012 |
| 332 | F1274033-300 | 332 | F1278006-300 | 422 | F1315030-300 | 422 | F1317030-300 | 414 | F4350018 |
| 332 | F1274033-310 | 332 | F1278006-310 | 422 | F1315030-310 | 422 | F1317030-310 | 414 | F4350030 |
| 332 | F1275001 | 332 | F1278012 | 422 | F1315033 | 422 | F1317033 | 414 | F4350033 |
| 332 | F1275001-300 | 332 | F1278012-300 | 422 | F1315033-300 | 422 | F1317033-300 | 414 | F4351001 |
| 332 | F1275001-310 | 332 | F1278012-310 | 422 | F1315033-310 | 422 | F1317033-310 | 414 | F4351006 |
| 332 | F1275006 | 332 | F1278018 | 422 | F1315087 | 422 | F1317087 | 414 | F4351012 |
| 332 | F1275006-300 | 332 | F1278018-300 | 422 | F1315087-300 | 422 | F1317087-300 | 414 | F4351018 |
| 332 | F1275006-310 | 332 | F1278018-310 | 422 | F1315087-310 | 422 | F1317087-310 | 414 | F4351030 |
| 332 | F1275012 | 332 | F1278030 | 422 | F1315089 | 422 | F1317089 | 414 | F4351033 |
| 332 | F1275012-300 | 332 | F1278030-300 | 422 | F1315089-300 | 422 | F1317089-300 | 414 | F4352001 |
| 332 | F1275012-310 | 332 | F1278030-310 | 422 | F1315089-310 | 422 | F1317089-310 | 414 | F4352006 |
| 332 | F1275018 | 332 | F1278033 | 422 | F1315090 | 422 | F1317090 | 414 | F4352012 |
| 332 | F1275018-300 | 332 | F1278033-300 | 422 | F1315090-300 | 422 | F1317090-300 | 414 | F4352018 |
| 332 | F1275018-310 | 332 | F1278033-310 | 422 | F1315090-310 | 422 | F1317090-310 | 414 | F4352030 |
| 332 | F1275030 | 422 | F1310000 | 422 | F1316000 | 423 | F1318000 | 414 | F4352033 |

| Page | Reference | Page | Reference | Page | Reference | Page | Reference | Page | Reference |
|---|---|---|---|---|---|---|---|---|---|
| 414 | F4353001 | 415 | F4356012 | 486 | F4571056.A | 485 | F4581056-300.A | 485 | F4586056-300.A |
| 414 | F4353001-300 | 415 | F4356012-300 | 486 | F4571065.A | 485 | F4581056-310.A | 485 | F4586056-310.A |
| 414 | F4353001-310 | 415 | F4356012-310 | 486 | F4572045.A | 485 | F4581056.A | 485 | F4586056.A |
| 414 | F4353006 | 415 | F4356018 | 486 | F4572048.A | 485 | F4581065-300.A | 485 | F4586065-300.A |
| 414 | F4353006-300 | 415 | F4356018-300 | 486 | F4572056.A | 485 | F4581065-310.A | 485 | F4586065-310.A |
| 414 | F4353006-310 | 415 | F4356018-310 | 486 | F4572065.A | 485 | F4581065.A | 485 | F4586065.A |
| 414 | F4353012 | 415 | F4356030 | 486 | F4573045.A | 485 | F4582045-300.A | 485 | F4587045-300.A |
| 414 | F4353012-300 | 415 | F4356030-300 | 486 | F4573048.A | 485 | F4582045-310.A | 485 | F4587045-310.A |
| 414 | F4353012-310 | 415 | F4356030-310 | 486 | F4573056.A | 485 | F4582045.A | 485 | F4587045.A |
| 414 | F4353018 | 415 | F4356033 | 486 | F4573065.A | 485 | F4582048-300.A | 485 | F4587048-300.A |
| 414 | F4353018-300 | 415 | F4356033-300 | 486 | F4574045.A | 485 | F4582048-310.A | 485 | F4587048-310.A |
| 414 | F4353018-310 | 415 | F4356033-310 | 486 | F4574048.A | 485 | F4582048.A | 485 | F4587048.A |
| 414 | F4353030 | 415 | F4357001 | 486 | F4574056.A | 485 | F4582056-300.A | 485 | F4587056-300.A |
| 414 | F4353030-300 | 415 | F4357001-300 | 486 | F4574065.A | 485 | F4582056-310.A | 485 | F4587056-310.A |
| 414 | F4353030-310 | 415 | F4357001-310 | 486 | F4575045.A | 485 | F4582056.A | 485 | F4587056.A |
| 414 | F4353033 | 415 | F4357006 | 486 | F4575048.A | 485 | F4582065-300.A | 485 | F4587065-300.A |
| 414 | F4353033-300 | 415 | F4357006-300 | 486 | F4575056.A | 485 | F4582065-310.A | 485 | F4587065-310.A |
| 414 | F4353033-310 | 415 | F4357006-310 | 486 | F4575065.A | 485 | F4582065.A | 485 | F4587065.A |
| 414 | F4354001 | 415 | F4357012 | 486 | F4576045.A | 485 | F4583045-300.A | 484 | F4588045-300.A |
| 414 | F4354001-300 | 415 | F4357012-300 | 486 | F4576048.A | 485 | F4583045-310.A | 484 | F4588045-310.A |
| 414 | F4354001-310 | 415 | F4357012-310 | 486 | F4576056.A | 485 | F4583045.A | 484 | F4588045.A |
| 414 | F4354006 | 415 | F4357018 | 486 | F4576065.A | 485 | F4583048-300.A | 484 | F4588048-300.A |
| 414 | F4354006-300 | 415 | F4357018-300 | 486 | F4577045.A | 485 | F4583048-310.A | 484 | F4588048-310.A |
| 414 | F4354006-310 | 415 | F4357018-310 | 486 | F4577048.A | 485 | F4583048.A | 484 | F4588048.A |
| 414 | F4354012 | 415 | F4357030 | 486 | F4577056.A | 485 | F4583056-300.A | 484 | F4588056-300.A |
| 414 | F4354012-300 | 415 | F4357030-300 | 486 | F4577065.A | 485 | F4583056-310.A | 484 | F4588056-310.A |
| 414 | F4354012-310 | 415 | F4357030-310 | 486 | F4578045.A | 485 | F4583056.A | 484 | F4588056.A |
| 414 | F4354018 | 415 | F4357033 | 486 | F4578048.A | 485 | F4583065-300.A | 484 | F4588065-300.A |
| 414 | F4354018-300 | 415 | F4357033-300 | 486 | F4578056.A | 485 | F4583065-310.A | 484 | F4588065-310.A |
| 414 | F4354018-310 | 415 | F4357033-310 | 486 | F4578065.A | 485 | F4583065.A | 484 | F4588065.A |
| 414 | F4354030 | 415 | F4358001 | 485 | F4579045-300.A | 485 | F4584045-300.A | 484 | F4589045-300.A |
| 414 | F4354030-300 | 415 | F4358001-300 | 485 | F4579045-310.A | 485 | F4584045-310.A | 484 | F4589045-310.A |
| 414 | F4354030-310 | 415 | F4358001-310 | 485 | F4579045.A | 485 | F4584045.A | 484 | F4589045.A |
| 414 | F4354033 | 415 | F4358006 | 485 | F4579048-300.A | 485 | F4584048-300.A | 484 | F4589048-300.A |
| 414 | F4354033-300 | 415 | F4358006-300 | 485 | F4579048-310.A | 485 | F4584048-310.A | 484 | F4589048-310.A |
| 414 | F4354033-310 | 415 | F4358006-310 | 485 | F4579048.A | 485 | F4584048.A | 484 | F4589048.A |
| 414 | F4355001 | 415 | F4358012 | 485 | F4579056-300.A | 485 | F4584056-300.A | 484 | F4589056-300.A |
| 414 | F4355001-300 | 415 | F4358012-300 | 485 | F4579056-310.A | 485 | F4584056-310.A | 484 | F4589056-310.A |
| 414 | F4355001-310 | 415 | F4358012-310 | 485 | F4579056.A | 485 | F4584056.A | 484 | F4589056.A |
| 414 | F4355006 | 415 | F4358018 | 485 | F4579065-300.A | 485 | F4584065-300.A | 484 | F4589065-300.A |
| 414 | F4355006-300 | 415 | F4358018-300 | 485 | F4579065-310.A | 485 | F4584065-310.A | 484 | F4589065-310.A |
| 414 | F4355006-310 | 415 | F4358018-310 | 485 | F4579065.A | 485 | F4584065.A | 484 | F4589065.A |
| 414 | F4355012 | 415 | F4358030 | 485 | F4580045-300.A | 485 | F4585045-300.A | 484 | F4590045-300.A |
| 414 | F4355012-300 | 415 | F4358030-300 | 485 | F4580045-310.A | 485 | F4585045-310.A | 484 | F4590045-310.A |
| 414 | F4355012-310 | 415 | F4358030-310 | 485 | F4580045.A | 485 | F4585045.A | 484 | F4590045.A |
| 414 | F4355018 | 415 | F4358033 | 485 | F4580048-300.A | 485 | F4585048-300.A | 484 | F4590048-300.A |
| 414 | F4355018-300 | 415 | F4358033-300 | 485 | F4580048-310.A | 485 | F4585048-310.A | 484 | F4590048-310.A |
| 414 | F4355018-310 | 415 | F4358033-310 | 485 | F4580048.A | 485 | F4585048.A | 484 | F4590048.A |
| 414 | F4355030 | 487 | F4555000 | 485 | F4580056-300.A | 485 | F4585056-300.A | 484 | F4590056-300.A |
| 414 | F4355030-300 | 487 | F4556000 | 485 | F4580056-310.A | 485 | F4585056-310.A | 484 | F4590056-310.A |
| 414 | F4355030-310 | 487 | F4557000 | 485 | F4580056.A | 485 | F4585056.A | 484 | F4590056.A |
| 414 | F4355033 | 487 | F4558000 | 485 | F4580065-300.A | 485 | F4585065-300.A | 484 | F4590065-300.A |
| 414 | F4355033-300 | 487 | F4559000 | 485 | F4580065-310.A | 485 | F4585065-310.A | 484 | F4590065-310.A |
| 414 | F4355033-310 | 487 | F4560000 | 485 | F4580065.A | 485 | F4585065.A | 484 | F4590065.A |
| 415 | F4356001 | 486 | F4570045.A | 485 | F4581045-300.A | 485 | F4586045-300.A | 484 | F4591045-300.A |
| 415 | F4356001-300 | 486 | F4570048.A | 485 | F4581045-310.A | 485 | F4586045-310.A | 484 | F4591045-310.A |
| 415 | F4356001-310 | 486 | F4570056.A | 485 | F4581045.A | 485 | F4586045.A | 484 | F4591045.A |
| 415 | F4356006 | 486 | F4570065.A | 485 | F4581048-300.A | 485 | F4586048-300.A | 484 | F4591048-300.A |
| 415 | F4356006-300 | 486 | F4571045.A | 485 | F4581048-310.A | 485 | F4586048-310.A | 484 | F4591048-310.A |
| 415 | F4356006-310 | 486 | F4571048.A | 485 | F4581048.A | 485 | F4586048.A | 484 | F4591048.A |

| Page | Reference | Page | Reference | Page | Reference | Page | Reference | Page | Reference |
|---|---|---|---|---|---|---|---|---|---|
| 484 | F4591056-300.A | 484 | F4596056-300.A | 457 | F990B21A000 | 541 | FA10018212 | 785 | FA1051071218 |
| 484 | F4591056-310.A | 484 | F4596056-310.A | 549 | F990B22A000 | 542 | FA100182122 | 785 | FA1051071230 |
| 484 | F4591056.A | 484 | F4596056.A | 343 | F990B23AZ00 | 546 | FA100182125 | 785 | FA1051071233 |
| 484 | F4591065-300.A | 484 | F4596065-300.A | 309 | F990B27A000 | 545 | FA100182130 | 785 | FA1051071270 |
| 484 | F4591065-310.A | 484 | F4596065-310.A | 309 | F990B28A000 | 545 | FA100182132 | 785 | FA1051072001 |
| 484 | F4591065.A | 484 | F4596065.A | 406 | F990B29A000 | 541 | FA10018230 | 785 | FA1051072006 |
| 484 | F4592045-300.A | 487 | F4597000 | 64 | F990C00A000 | 434 | FA10018240 | 785 | FA1051072012 |
| 484 | F4592045-310.A | 487 | F4598000 | 64 | F990C010000 | 434 | FA10018241 | 785 | FA1051072018 |
| 484 | F4592045.A | 487 | F4599000 | 67 | F990C030000 | 434 | FA100501 | 785 | FA1051072030 |
| 484 | F4592048-300.A | 404 | F5960044 | 396 | F990C040000 | 816 | FA100506 | 785 | FA1051072033 |
| 484 | F4592048-310.A | 404 | F5960047 | 308 | F990C050000 | 816 | FA100512 | 785 | FA1051072070 |
| 484 | F4592048.A | 404 | F5960055 | 67 | F990C080000 | 434 | FA100518 | 785 | FA1051072101 |
| 484 | F4592056-300.A | 404 | F5960066 | 619 | F990C081000 | 816 | FA100530 | 785 | FA1051072106 |
| 484 | F4592056-310.A | 404 | F5961044 | 619 | F990C082000 | 816 | FA100533 | 785 | FA1051072112 |
| 484 | F4592056.A | 404 | F5961047 | 619 | F990C083000 | 816 | FA100901 | 785 | FA1051072118 |
| 484 | F4592065-300.A | 404 | F5961055 | 64 | F990C100000 | 434 | FA100906 | 785 | FA1051072130 |
| 484 | F4592065-310.A | 404 | F5961066 | 66 | F990C110000 | 434 | FA100912 | 785 | FA1051072133 |
| 484 | F4592065.A | 405 | F5962000 | 752 | F990E00A000 | 434 | FA100918 | 785 | FA1051072170 |
| 484 | F4593045-300.A | 404 | F5970044 | 155 | F990G300000 | 816 | FA100930 | 785 | FA1051072201 |
| 484 | F4593045-310.A | 404 | F5970047 | 342 | F990H010000 | 816 | FA100933 | 785 | FA1051072206 |
| 484 | F4593045.A | 404 | F5970055 | 542 | FA10017412 | 547 | FA101 | 785 | FA1051072212 |
| 484 | F4593048-300.A | 404 | F5970066 | 543 | FA100174122 | 547 | FA102 | 785 | FA1051072218 |
| 484 | F4593048-310.A | 404 | F5971044 | 547 | FA100174125 | 711 | FA1022290001 | 785 | FA1051072230 |
| 484 | F4593048.A | 404 | F5971047 | 546 | FA100174132 | 711 | FA1022290006 | 785 | FA1051072233 |
| 484 | F4593056-300.A | 404 | F5971055 | 542 | FA10017440 | 711 | FA1022290012 | 785 | FA1051072270 |
| 484 | F4593056-310.A | 404 | F5971066 | 546 | FA10017441 | 711 | FA1022290018 | 782 | FA1051440001.A |
| 484 | F4593056.A | 404 | F5980044 | 540 | FA100176118 | 711 | FA1022290030 | 782 | FA1051440006.A |
| 484 | F4593065-300.A | 404 | F5980047 | 540 | FA10017612 | 711 | FA1022290033 | 782 | FA1051440012.A |
| 484 | F4593065-310.A | 404 | F5980055 | 544 | FA100176124 | 711 | FA102950001 | 782 | FA1051440018.A |
| 484 | F4593065.A | 404 | F5980066 | 544 | FA100176133 | 711 | FA102950006 | 782 | FA1051440030.A |
| 484 | F4594045-300.A | 404 | F5981044 | 540 | FA10017640 | 711 | FA102950012 | 782 | FA1051440033.A |
| 484 | F4594045-310.A | 404 | F5981047 | 544 | FA10017641 | 711 | FA102950018 | 782 | FA1051440070.A |
| 484 | F4594045.A | 404 | F5981055 | 540 | FA100177118 | 711 | FA102950030 | 782 | FA1051441201.A |
| 484 | F4594048-300.A | 404 | F5981066 | 540 | FA10017712 | 711 | FA102950033 | 782 | FA1051441206.A |
| 484 | F4594048-310.A | 291 | F6268022 | 544 | FA100177124 | 711 | FA102960001 | 782 | FA1051441212.A |
| 484 | F4594048.A | 291 | F6268041 | 544 | FA100177133 | 711 | FA102960006 | 782 | FA1051441218.A |
| 484 | F4594056-300.A | 291 | F6367022 | 540 | FA10017740 | 711 | FA102960012 | 782 | FA1051441230.A |
| 484 | F4594056-310.A | 291 | F6367041 | 544 | FA10017741 | 711 | FA102960018 | 782 | FA1051441233.A |
| 484 | F4594056.A | 290 | F6468022 | 541 | FA10017912 | 711 | FA102960030 | 782 | FA1051441270.A |
| 484 | F4594065-300.A | 290 | F6468041 | 542 | FA100179122 | 711 | FA102960033 | 782 | FA1051442001.A |
| 484 | F4594065-310.A | 290 | F6469022 | 546 | FA100179125 | 386 | FA1041040090 | 782 | FA1051442006.A |
| 484 | F4594065.A | 290 | F6469041 | 545 | FA100179130 | 386 | FA1041060090 | 782 | FA1051442012.A |
| 484 | F4595045-300.A | 308 | F990B00A000 | 545 | FA100179132 | 386 | FA1041970090 | 782 | FA1051442018.A |
| 484 | F4595045-310.A | 308 | F990B01A000 | 541 | FA10017930 | 785 | FA1051070001 | 782 | FA1051442030.A |
| 484 | F4595045.A | 308 | F990B02A000 | 541 | FA10017940 | 785 | FA1051070006 | 782 | FA1051442033.A |
| 484 | F4595048-300.A | 308 | F990B03A000 | 545 | FA10017941 | 785 | FA1051070012 | 782 | FA1051442070.A |
| 484 | F4595048-310.A | 308 | F990B04A000 | 541 | FA10018012 | 785 | FA1051070018 | 782 | FA1051442201.A |
| 484 | F4595048.A | 308 | F990B05A000 | 542 | FA100180122 | 785 | FA1051070030 | 782 | FA1051442206.A |
| 484 | F4595056-300.A | 641 | F990B07A000 | 546 | FA100180125 | 785 | FA1051070033 | 782 | FA1051442212.A |
| 484 | F4595056-310.A | 640 | F990B08A000 | 545 | FA100180130 | 785 | FA1051070070 | 782 | FA1051442218.A |
| 484 | F4595056.A | 641 | F990B09A000 | 545 | FA100180132 | 785 | FA1051071101 | 782 | FA1051442230.A |
| 484 | F4595065-300.A | 549 | F990B10A000 | 541 | FA10018030 | 785 | FA1051071106 | 782 | FA1051442233.A |
| 484 | F4595065-310.A | 549 | F990B11A000 | 541 | FA10018040 | 785 | FA1051071112 | 782 | FA1051442270.A |
| 484 | F4595065.A | 549 | F990B12A000 | 545 | FA10018041 | 785 | FA1051071118 | 782 | FA1051710001.A |
| 484 | F4596045-300.A | 549 | F990B13A000 | 540 | FA100181118 | 785 | FA1051071130 | 782 | FA1051710006.A |
| 484 | F4596045-310.A | 641 | F990B14A000 | 540 | FA10018112 | 785 | FA1051071133 | 782 | FA1051710012.A |
| 484 | F4596045.A | 640 | F990B15A000 | 544 | FA100181124 | 785 | FA1051071170 | 782 | FA1051710018.A |
| 484 | F4596048-300.A | 308 | F990B16A000 | 544 | FA100181133 | 785 | FA1051071201 | 782 | FA1051710030.A |
| 484 | F4596048-310.A | 308 | F990B17A000 | 540 | FA10018140 | 785 | FA1051071206 | 782 | FA1051710033.A |
| 484 | F4596048.A | 308 | F990B18A000 | 544 | FA10018141 | 785 | FA1051071212 | 782 | FA1051710070.A |

| Page | Reference | Page | Reference | Page | Reference | Page | Reference | Page | Reference |
|---|---|---|---|---|---|---|---|---|---|
| 782 | FA1051711201.A | 785 | FA1051900033 | 787 | FA1052540001 | 784 | FA105560006 | 467 | FA1071195106 |
| 782 | FA1051711206.A | 785 | FA1051900070 | 787 | FA1052540006 | 784 | FA105560012 | 467 | FA1071195112 |
| 782 | FA1051711212.A | 785 | FA1051901101 | 787 | FA1052540012 | 784 | FA105560018 | 467 | FA1071195118 |
| 782 | FA1051711218.A | 785 | FA1051901106 | 787 | FA1052540018 | 784 | FA105560030 | 467 | FA1071195130 |
| 782 | FA1051711230.A | 785 | FA1051901112 | 787 | FA1052540030 | 784 | FA105560033 | 467 | FA1071195133 |
| 782 | FA1051711233.A | 785 | FA1051901118 | 787 | FA1052540033 | 784 | FA105560070 | 467 | FA1071225301 |
| 782 | FA1051711270.A | 785 | FA1051901130 | 787 | FA1052540070 | 784 | FA105561101 | 467 | FA1071225306 |
| 802 | FA10517114357.A | 785 | FA1051901133 | 787 | FA1052541201 | 784 | FA105561106 | 467 | FA1071225312 |
| 802 | FA10517114557.A | 785 | FA1051901170 | 787 | FA1052541206 | 784 | FA105561112 | 467 | FA1071225318 |
| 784 | FA1051720001 | 785 | FA1051901201 | 787 | FA1052541212 | 784 | FA105561118 | 467 | FA1071225330 |
| 784 | FA1051720006 | 785 | FA1051901206 | 787 | FA1052541218 | 784 | FA105561130 | 467 | FA1071225333 |
| 784 | FA1051720012 | 785 | FA1051901212 | 787 | FA1052541230 | 784 | FA105561133 | 466 | FA1072304301 |
| 784 | FA1051720018 | 785 | FA1051901218 | 787 | FA1052541233 | 784 | FA105561170 | 466 | FA1072304306 |
| 784 | FA1051720030 | 785 | FA1051901230 | 787 | FA1052541270 | 784 | FA105561201 | 466 | FA1072304312 |
| 784 | FA1051720033 | 785 | FA1051901233 | 787 | FA1052550001 | 784 | FA105561206 | 466 | FA1072304318 |
| 784 | FA1051720070 | 785 | FA1051901270 | 787 | FA1052550006 | 784 | FA105561212 | 466 | FA1072304330 |
| 784 | FA1051721101 | 804 | FA10521114557 | 787 | FA1052550012 | 784 | FA105561218 | 466 | FA1072304333 |
| 784 | FA1051721106 | 804 | FA10521114757 | 787 | FA1052550018 | 784 | FA105561230 | 466 | FA1072305001 |
| 784 | FA1051721112 | 788 | FA1052510001 | 787 | FA1052550030 | 784 | FA105561233 | 466 | FA1072305006 |
| 784 | FA1051721118 | 788 | FA1052510006 | 787 | FA1052550033 | 784 | FA105561270 | 466 | FA1072305012 |
| 784 | FA1051721130 | 788 | FA1052510012 | 787 | FA1052550070 | 784 | FA105562001 | 466 | FA1072305018 |
| 784 | FA1051721133 | 788 | FA1052510018 | 787 | FA1052551201 | 784 | FA105562006 | 466 | FA1072305030 |
| 784 | FA1051721170 | 788 | FA1052510030 | 787 | FA1052551206 | 784 | FA105562012 | 466 | FA1072305033 |
| 784 | FA1051721201 | 788 | FA1052510033 | 787 | FA1052551212 | 784 | FA105562018 | 467 | FA1072314401 |
| 784 | FA1051721206 | 788 | FA1052510070 | 787 | FA1052551218 | 784 | FA105562030 | 467 | FA1072314406 |
| 784 | FA1051721212 | 788 | FA1052511201 | 787 | FA1052551230 | 784 | FA105562033 | 467 | FA1072314412 |
| 784 | FA1051721218 | 788 | FA1052511206 | 787 | FA1052551233 | 784 | FA105562070 | 467 | FA1072314418 |
| 784 | FA1051721230 | 788 | FA1052511212 | 787 | FA1052551270 | 784 | FA105562101 | 467 | FA1072314430 |
| 784 | FA1051721233 | 788 | FA1052511218 | 787 | FA1052552001 | 784 | FA105562106 | 467 | FA1072314433 |
| 784 | FA1051721270 | 788 | FA1052511230 | 787 | FA1052552006 | 784 | FA105562112 | 467 | FA1072315101 |
| 803 | FA10517214457 | 788 | FA1052511233 | 787 | FA1052552012 | 784 | FA105562118 | 467 | FA1072315106 |
| 803 | FA10517214657 | 788 | FA1052511270 | 787 | FA1052552018 | 784 | FA105562130 | 467 | FA1072315112 |
| 783 | FA1051730001.A | 788 | FA1052520001 | 787 | FA1052552030 | 784 | FA105562133 | 467 | FA1072315118 |
| 783 | FA1051730006.A | 788 | FA1052520006 | 787 | FA1052552033 | 784 | FA105562170 | 467 | FA1072315130 |
| 783 | FA1051730012.A | 788 | FA1052520012 | 787 | FA1052552070 | 784 | FA105562201 | 467 | FA1072315133 |
| 783 | FA1051730018.A | 788 | FA1052520018 | 787 | FA1052552201 | 784 | FA105562206 | 467 | FA1072315301 |
| 783 | FA1051730030.A | 788 | FA1052520030 | 787 | FA1052552206 | 784 | FA105562212 | 467 | FA1072315306 |
| 783 | FA1051730033.A | 788 | FA1052520033 | 787 | FA1052552212 | 784 | FA105562218 | 467 | FA1072315312 |
| 783 | FA1051730070.A | 788 | FA1052520070 | 787 | FA1052552218 | 784 | FA105562230 | 467 | FA1072315318 |
| 802 | FA10517314357.A | 788 | FA1052521201 | 787 | FA1052552230 | 784 | FA105562233 | 467 | FA1072315330 |
| 786 | FA1051740001 | 788 | FA1052521206 | 787 | FA1052552233 | 784 | FA105562270 | 467 | FA1072315333 |
| 786 | FA1051740006 | 788 | FA1052521212 | 787 | FA1052552270 | 466 | FA1071164301 | 468 | FA1072324501 |
| 786 | FA1051740012 | 788 | FA1052521218 | 789 | FA1052560001 | 466 | FA1071164306 | 468 | FA1072324506 |
| 786 | FA1051740018 | 788 | FA1052521230 | 789 | FA1052560006 | 466 | FA1071164312 | 468 | FA1072324512 |
| 786 | FA1051740030 | 788 | FA1052521233 | 789 | FA1052560012 | 466 | FA1071164318 | 468 | FA1072324518 |
| 786 | FA1051740033 | 788 | FA1052521270 | 789 | FA1052560018 | 466 | FA1071164330 | 468 | FA1072324530 |
| 786 | FA1051740070 | 788 | FA1052522001 | 789 | FA1052560030 | 466 | FA1071164333 | 468 | FA1072324533 |
| 786 | FA1051741201 | 788 | FA1052522006 | 789 | FA1052560033 | 466 | FA1071165001 | 468 | FA1072325201 |
| 786 | FA1051741206 | 788 | FA1052522012 | 789 | FA1052560070 | 466 | FA1071165006 | 468 | FA1072325206 |
| 786 | FA1051741212 | 788 | FA1052522018 | 789 | FA1052561201 | 466 | FA1071165012 | 468 | FA1072325212 |
| 786 | FA1051741218 | 788 | FA1052522030 | 789 | FA1052561206 | 466 | FA1071165018 | 468 | FA1072325218 |
| 786 | FA1051741230 | 788 | FA1052522033 | 789 | FA1052561212 | 466 | FA1071165030 | 468 | FA1072325230 |
| 786 | FA1051741233 | 788 | FA1052522070 | 789 | FA1052561218 | 466 | FA1071165033 | 468 | FA1072325233 |
| 786 | FA1051741270 | 788 | FA1052522201 | 789 | FA1052561230 | 467 | FA1071194401 | 468 | FA1072724701 |
| 803 | FA10517414457 | 788 | FA1052522206 | 789 | FA1052561233 | 467 | FA1071194406 | 468 | FA1072724706 |
| 785 | FA1051900001 | 788 | FA1052522212 | 789 | FA1052561270 | 467 | FA1071194412 | 468 | FA1072724712 |
| 785 | FA1051900006 | 788 | FA1052522218 | 805 | FA10525614557 | 467 | FA1071194418 | 468 | FA1072724718 |
| 785 | FA1051900012 | 788 | FA1052522230 | 804 | FA10526614557 | 467 | FA1071194430 | 468 | FA1072724730 |
| 785 | FA1051900018 | 788 | FA1052522233 | 804 | FA10526614757 | 467 | FA1071194433 | 468 | FA1072724733 |
| 785 | FA1051900030 | 788 | FA1052522270 | 784 | FA105560001 | 467 | FA1071195101 | 468 | FA1072724901 |

| Page | Reference | Page | Reference | Page | Reference | Page | Reference | Page | Reference |
|---|---|---|---|---|---|---|---|---|---|
| 468 | FA1072724906 | 823 | FA11206 | 733 | FA116282118 | 735 | FA11726814933.A | 736 | FA11827115118.A |
| 468 | FA1072724912 | 823 | FA11233 | 733 | FA116282130 | 735 | FA11726914601.A | 736 | FA11827115130.A |
| 468 | FA1072724918 | 823 | FA11306 | 733 | FA116282133 | 735 | FA11726914606.A | 736 | FA11827115133.A |
| 468 | FA1072724930 | 823 | FA11333 | 734 | FA116284201 | 735 | FA11726914612.A | 736 | FA11827115201.A |
| 468 | FA1072724933 | 823 | FA11406 | 734 | FA116284206 | 735 | FA11726914618.A | 736 | FA11827115206.A |
| 467 | FA1072725301 | 823 | FA11433 | 734 | FA116284212 | 735 | FA11726914630.A | 736 | FA11827115212.A |
| 467 | FA1072725306 | 823 | FA11506 | 734 | FA116284218 | 735 | FA11726914633.A | 736 | FA11827115218.A |
| 467 | FA1072725312 | 823 | FA11533 | 734 | FA116284230 | 735 | FA11726914701.A | 736 | FA11827115230.A |
| 467 | FA1072725318 | 155 | FA116 | 734 | FA116284233 | 735 | FA11726914706.A | 736 | FA11827115233.A |
| 467 | FA1072725330 | 734 | FA11617211301 | 734 | FA1165611301 | 735 | FA11726914712.A | 736 | FA11827115301.A |
| 467 | FA1072725333 | 734 | FA11617211306 | 734 | FA1165611306 | 735 | FA11726914718.A | 736 | FA11827115306.A |
| 466 | FA1072764301 | 734 | FA11617211312 | 734 | FA1165611312 | 735 | FA11726914730.A | 736 | FA11827115312.A |
| 466 | FA1072764306 | 734 | FA11617211318 | 734 | FA1165611318 | 735 | FA11726914733.A | 736 | FA11827115318.A |
| 466 | FA1072764312 | 734 | FA11617211330 | 734 | FA1165611330 | 735 | FA11726914801.A | 736 | FA11827115330.A |
| 466 | FA1072764318 | 734 | FA11617211333 | 734 | FA1165611333 | 735 | FA11726914806.A | 736 | FA11827115333.A |
| 466 | FA1072764330 | 733 | FA1161721201 | 733 | FA116561201 | 735 | FA11726914812.A | 736 | FA11827215001.A |
| 466 | FA1072764333 | 733 | FA1161721206 | 733 | FA116561206 | 735 | FA11726914818.A | 736 | FA11827215006.A |
| 466 | FA1072765001 | 733 | FA1161721212 | 733 | FA116561212 | 735 | FA11726914830.A | 736 | FA11827215012.A |
| 466 | FA1072765006 | 733 | FA1161721218 | 733 | FA116561218 | 735 | FA11726914833.A | 736 | FA11827215018.A |
| 466 | FA1072765012 | 733 | FA1161721230 | 733 | FA116561230 | 735 | FA11726914901.A | 736 | FA11827215030.A |
| 466 | FA1072765018 | 733 | FA1161721233 | 733 | FA116561233 | 735 | FA11726914906.A | 736 | FA11827215033.A |
| 466 | FA1072765030 | 733 | FA1161722101 | 733 | FA116562101 | 735 | FA11726914912.A | 736 | FA11827215101.A |
| 466 | FA1072765033 | 733 | FA1161722106 | 733 | FA116562106 | 735 | FA11726914918.A | 736 | FA11827215106.A |
| 467 | FA1072794401 | 733 | FA1161722112 | 733 | FA116562112 | 735 | FA11726914930.A | 736 | FA11827215112.A |
| 467 | FA1072794406 | 733 | FA1161722118 | 733 | FA116562118 | 735 | FA11726914933.A | 736 | FA11827215118.A |
| 467 | FA1072794412 | 733 | FA1161722130 | 733 | FA116562130 | 735 | FA11727914601.A | 736 | FA11827215130.A |
| 467 | FA1072794418 | 733 | FA1161722133 | 733 | FA116562133 | 735 | FA11727914606.A | 736 | FA11827215133.A |
| 467 | FA1072794430 | 734 | FA1161724201 | 734 | FA116564201 | 735 | FA11727914612.A | 736 | FA11827215201.A |
| 467 | FA1072794433 | 734 | FA1161724206 | 734 | FA116564206 | 735 | FA11727914618.A | 736 | FA11827215206.A |
| 467 | FA1072795101 | 734 | FA1161724212 | 734 | FA116564212 | 735 | FA11727914630.A | 736 | FA11827215212.A |
| 467 | FA1072795106 | 734 | FA1161724218 | 734 | FA116564218 | 735 | FA11727914633.A | 736 | FA11827215218.A |
| 467 | FA1072795112 | 734 | FA1161724230 | 734 | FA116564230 | 735 | FA11727914701.A | 736 | FA11827215230.A |
| 467 | FA1072795118 | 734 | FA1161724233 | 734 | FA116564233 | 735 | FA11727914706.A | 736 | FA11827215233.A |
| 467 | FA1072795130 | 734 | FA1162711301 | 816 | FA11701 | 735 | FA11727914712.A | 736 | FA11827215301.A |
| 467 | FA1072795133 | 734 | FA1162711306 | 816 | FA11706 | 735 | FA11727914718.A | 736 | FA11827215306.A |
| 468 | FA107924501 | 734 | FA1162711312 | 816 | FA11712 | 735 | FA11727914730.A | 736 | FA11827215312.A |
| 468 | FA107924506 | 734 | FA1162711318 | 816 | FA11718 | 735 | FA11727914733.A | 736 | FA11827215318.A |
| 468 | FA107924512 | 734 | FA1162711330 | 735 | FA11726814601.A | 735 | FA11727914801.A | 736 | FA11827215330.A |
| 468 | FA107924518 | 734 | FA1162711333 | 735 | FA11726814606.A | 735 | FA11727914806.A | 736 | FA11827215333.A |
| 468 | FA107924530 | 733 | FA116271201 | 735 | FA11726814612.A | 735 | FA11727914812.A | 736 | FA11828215001.A |
| 468 | FA107924533 | 733 | FA116271206 | 735 | FA11726814618.A | 735 | FA11727914818.A | 736 | FA11828215006.A |
| 468 | FA107925201 | 733 | FA116271212 | 735 | FA11726814630.A | 735 | FA11727914830.A | 736 | FA11828215012.A |
| 468 | FA107925206 | 733 | FA116271218 | 735 | FA11726814633.A | 735 | FA11727914833.A | 736 | FA11828215018.A |
| 468 | FA107925212 | 733 | FA116271230 | 735 | FA11726814701.A | 735 | FA11727914901.A | 736 | FA11828215030.A |
| 468 | FA107925218 | 733 | FA116271233 | 735 | FA11726814706.A | 735 | FA11727914906.A | 736 | FA11828215033.A |
| 468 | FA107925230 | 733 | FA116272101 | 735 | FA11726814712.A | 735 | FA11727914912.A | 736 | FA11828215101.A |
| 468 | FA107925233 | 733 | FA116272106 | 735 | FA11726814718.A | 735 | FA11727914918.A | 736 | FA11828215106.A |
| 387 | FA109 | 733 | FA116272112 | 735 | FA11726814730.A | 735 | FA11727914930.A | 736 | FA11828215112.A |
| 816 | FA110501 | 733 | FA116272118 | 735 | FA11726814733.A | 735 | FA11727914933.A | 736 | FA11828215118.A |
| 816 | FA110506 | 733 | FA116272130 | 735 | FA11726814801.A | 816 | FA11730 | 736 | FA11828215130.A |
| 816 | FA110512 | 733 | FA116272133 | 735 | FA11726814806.A | 816 | FA11733 | 736 | FA11828215133.A |
| 816 | FA110518 | 734 | FA116274201 | 735 | FA11726814812.A | 736 | FA11827115001.A | 736 | FA11828215201.A |
| 816 | FA110530 | 734 | FA116274206 | 735 | FA11726814818.A | 736 | FA11827115006.A | 736 | FA11828215206.A |
| 816 | FA110533 | 734 | FA116274212 | 735 | FA11726814830.A | 736 | FA11827115012.A | 736 | FA11828215212.A |
| 816 | FA110901 | 734 | FA116274218 | 735 | FA11726814833.A | 736 | FA11827115018.A | 736 | FA11828215218.A |
| 816 | FA110906 | 734 | FA116274230 | 735 | FA11726814901.A | 736 | FA11827115030.A | 736 | FA11828215230.A |
| 816 | FA110912 | 734 | FA116274233 | 735 | FA11726814906.A | 736 | FA11827115033.A | 736 | FA11828215233.A |
| 816 | FA110918 | 733 | FA116282101 | 735 | FA11726814912.A | 736 | FA11827115101.A | 736 | FA11828215301.A |
| 816 | FA110930 | 733 | FA116282106 | 735 | FA11726814918.A | 736 | FA11827115106.A | 736 | FA11828215306.A |
| 816 | FA110933 | 733 | FA116282112 | 735 | FA11726814930.A | 736 | FA11827115112.A | 736 | FA11828215312.A |

| Page | Reference | Page | Reference | Page | Reference | Page | Reference | Page | Reference |
|---|---|---|---|---|---|---|---|---|---|
| 736 | FA11828215318.A | 815 | FA162241212 | 839 | FA17733 | 818 | FA22533 | 395 | FA50300433 |
| 736 | FA11828215330.A | 815 | FA162241218 | 839 | FA17801 | 818 | FA22606 | 394 | FA50300601 |
| 736 | FA11828215333.A | 815 | FA162241230 | 839 | FA17806 | 818 | FA22633 | 394 | FA50300606 |
| 790 | FA129 | 815 | FA162241233 | 839 | FA17812 | 818 | FA22706 | 394 | FA50300612 |
| 790 | FA135 | 815 | FA162241301 | 839 | FA17818 | 818 | FA22733 | 394 | FA50300618 |
| 447 | FA136 | 815 | FA162241306 | 839 | FA17830 | 818 | FA22806 | 394 | FA50300630 |
| 396 | FA139 | 815 | FA162241312 | 839 | FA17833 | 818 | FA22833 | 394 | FA50300633 |
| 557 | FA148 | 815 | FA162241318 | 842 | FA17901 | 819 | FA22906 | 394 | FA50300801 |
| 556 | FA151 | 815 | FA162241330 | 842 | FA17906 | 819 | FA22933 | 394 | FA50300806 |
| 556 | FA152 | 815 | FA162241333 | 842 | FA17912 | 819 | FA23006 | 394 | FA50300812 |
| 556 | FA153 | 839 | FA16230 | 842 | FA17918 | 819 | FA23033 | 394 | FA50300818 |
| 837 | FA15701 | 839 | FA16233 | 842 | FA17930 | 819 | FA23106 | 394 | FA50300830 |
| 837 | FA15706 | 814 | FA162801301.A | 842 | FA17933 | 819 | FA23133 | 394 | FA50300833 |
| 837 | FA15712 | 814 | FA162801306.A | 842 | FA18001 | 819 | FA23206 | 395 | FA50300901 |
| 837 | FA15718 | 814 | FA162801312.A | 842 | FA18006 | 819 | FA23233 | 395 | FA50300906 |
| 837 | FA15730 | 814 | FA162801318.A | 842 | FA18012 | 801 | FA235 | 395 | FA50300912 |
| 837 | FA15733 | 814 | FA162801330.A | 842 | FA18018 | 791 | FA238.A | 395 | FA50300918 |
| 837 | FA15801 | 814 | FA162801333.A | 842 | FA18030 | 791 | FA239.A | 395 | FA50300930 |
| 837 | FA15806 | 814 | FA162801401.A | 842 | FA18033 | 818 | FA243 | 395 | FA50300933 |
| 837 | FA15812 | 814 | FA162801406.A | 851 | FA18101 | 712 | FA24501 | 395 | FA50301001 |
| 837 | FA15818 | 814 | FA162801412.A | 851 | FA18106 | 712 | FA24506 | 395 | FA50301006 |
| 837 | FA15830 | 814 | FA162801418.A | 851 | FA18112 | 712 | FA24512 | 395 | FA50301012 |
| 837 | FA15833 | 814 | FA162801430.A | 851 | FA18118 | 712 | FA24518 | 395 | FA50301018 |
| 712 | FA160 | 814 | FA162801433.A | 851 | FA18130 | 712 | FA24530 | 395 | FA50301030 |
| 839 | FA16101 | 814 | FA162811301.A | 851 | FA18133 | 712 | FA24533 | 395 | FA50301033 |
| 815 | FA161011201 | 814 | FA162811306.A | 839 | FA182 | 712 | FA247 | 394 | FA50301101 |
| 815 | FA161011206 | 814 | FA162811312.A | 556 | FA183 | 155 | FA24806 | 394 | FA50301106 |
| 815 | FA161011212 | 814 | FA162811318.A | 790 | FA184 | 155 | FA24833 | 394 | FA50301112 |
| 815 | FA161011218 | 814 | FA162811330.A | 378 | FA185.A | 155 | FA24906 | 394 | FA50301118 |
| 815 | FA161011230 | 814 | FA162811333.A | 524 | FA192 | 155 | FA24933 | 394 | FA50301130 |
| 815 | FA161011233 | 814 | FA162811401.A | 524 | FA193 | 155 | FA25006 | 394 | FA50301133 |
| 815 | FA161011301 | 814 | FA162811406.A | 524 | FA194 | 155 | FA25033 | 394 | FA50301201 |
| 815 | FA161011306 | 814 | FA162811412.A | 524 | FA195 | 155 | FA25106 | 394 | FA50301206 |
| 815 | FA161011312 | 814 | FA162811418.A | 752 | FA196 | 155 | FA25133 | 394 | FA50301212 |
| 815 | FA161011318 | 814 | FA162811430.A | 752 | FA197 | 772 | FA26130 | 394 | FA50301218 |
| 815 | FA161011330 | 814 | FA162811433.A | 752 | FA198 | 772 | FA26230 | 394 | FA50301230 |
| 815 | FA161011333 | 814 | FA162812301.A | 752 | FA199 | 772 | FA26330 | 394 | FA50301233 |
| 815 | FA161012201 | 814 | FA162812306.A | 773 | FA203 | 761 | FA264 | 395 | FA50320201 |
| 815 | FA161012206 | 814 | FA162812312.A | 772 | FA20530 | 761 | FA266 | 395 | FA50320206 |
| 815 | FA161012212 | 814 | FA162812318.A | 772 | FA20630 | 761 | FA268 | 395 | FA50320212 |
| 815 | FA161012218 | 814 | FA162812330.A | 772 | FA20730 | 155 | FA414006 | 395 | FA50320218 |
| 815 | FA161012230 | 814 | FA162812333.A | 772 | FA20830 | 155 | FA414033 | 395 | FA50320230 |
| 815 | FA161012233 | 814 | FA162812401.A | 772 | FA20930 | 155 | FA414506 | 395 | FA50320233 |
| 815 | FA161012301 | 814 | FA162812406.A | 378 | FA21 | 155 | FA414533 | 395 | FA50320401 |
| 815 | FA161012306 | 814 | FA162812412.A | 772 | FA21030 | 155 | FA415006 | 395 | FA50320406 |
| 815 | FA161012312 | 814 | FA162812418.A | 772 | FA21130 | 155 | FA415033 | 395 | FA50320412 |
| 815 | FA161012318 | 814 | FA162812430.A | 772 | FA21230 | 155 | FA415506 | 395 | FA50320418 |
| 815 | FA161012330 | 814 | FA162812433.A | 772 | FA21330 | 155 | FA415533 | 395 | FA50320430 |
| 815 | FA161012333 | 843 | FA16530 | 791 | FA218 | 501 | FA50 | 395 | FA50320433 |
| 839 | FA16106 | 843 | FA16630 | 525 | FA219 | 395 | FA50300201 | 394 | FA50320601 |
| 839 | FA16112 | 851 | FA16730 | 525 | FA220 | 395 | FA50300206 | 394 | FA50320606 |
| 839 | FA16118 | 851 | FA16830 | 819 | FA22106 | 395 | FA50300212 | 394 | FA50320612 |
| 839 | FA16130 | 680 | FA172 | 819 | FA22133 | 395 | FA50300218 | 394 | FA50320618 |
| 839 | FA16133 | 680 | FA173 | 819 | FA22206 | 395 | FA50300230 | 394 | FA50320630 |
| 839 | FA16201 | 680 | FA174 | 819 | FA22233 | 395 | FA50300233 | 394 | FA50320633 |
| 839 | FA16206 | 839 | FA17701 | 819 | FA22306 | 395 | FA50300401 | 394 | FA50320801 |
| 839 | FA16212 | 839 | FA17706 | 819 | FA22333 | 395 | FA50300406 | 394 | FA50320806 |
| 839 | FA16218 | 839 | FA17712 | 819 | FA22406 | 395 | FA50300412 | 394 | FA50320812 |
| 815 | FA162241201 | 839 | FA17718 | 819 | FA22433 | 395 | FA50300418 | 394 | FA50320818 |
| 815 | FA162241206 | 839 | FA17730 | 818 | FA22506 | 395 | FA50300430 | 394 | FA50320830 |

| Page | Reference | Page | Reference | Page | Reference | Page | Reference | Page | Reference |
|---|---|---|---|---|---|---|---|---|---|
| 394 | FA50320833 | 452 | FA50703233 | 454 | FA50712333 | 448 | FA50801533 | 444 | FA50901233 |
| 451 | FA50700201 | 452 | FA50703301 | 454 | FA50712501 | 449 | FA50802201 | 444 | FA50901301 |
| 451 | FA50700206 | 452 | FA50703306 | 454 | FA50712506 | 449 | FA50802206 | 444 | FA50901306 |
| 451 | FA50700212 | 452 | FA50703312 | 454 | FA50712512 | 449 | FA50802212 | 444 | FA50901312 |
| 451 | FA50700218 | 452 | FA50703318 | 454 | FA50712518 | 449 | FA50802218 | 444 | FA50901318 |
| 451 | FA50700230 | 452 | FA50703330 | 454 | FA50712530 | 449 | FA50802230 | 444 | FA50901330 |
| 451 | FA50700233 | 452 | FA50703333 | 454 | FA50712533 | 449 | FA50802233 | 444 | FA50901333 |
| 451 | FA50700301 | 452 | FA50703501 | 454 | FA50713201 | 449 | FA50802301 | 444 | FA50901501 |
| 451 | FA50700306 | 452 | FA50703506 | 454 | FA50713206 | 449 | FA50802306 | 444 | FA50901506 |
| 451 | FA50700312 | 452 | FA50703512 | 454 | FA50713212 | 449 | FA50802312 | 444 | FA50901512 |
| 451 | FA50700318 | 452 | FA50703518 | 454 | FA50713218 | 449 | FA50802318 | 444 | FA50901518 |
| 451 | FA50700330 | 452 | FA50703530 | 454 | FA50713230 | 449 | FA50802330 | 444 | FA50901530 |
| 451 | FA50700333 | 452 | FA50703533 | 454 | FA50713233 | 449 | FA50802333 | 444 | FA50901533 |
| 451 | FA50700501 | 453 | FA50710201 | 454 | FA50713301 | 449 | FA50802501 | 445 | FA50902201 |
| 451 | FA50700506 | 453 | FA50710206 | 454 | FA50713306 | 449 | FA50802506 | 445 | FA50902206 |
| 451 | FA50700512 | 453 | FA50710212 | 454 | FA50713312 | 449 | FA50802512 | 445 | FA50902212 |
| 451 | FA50700518 | 453 | FA50710218 | 454 | FA50713318 | 449 | FA50802518 | 445 | FA50902218 |
| 451 | FA50700530 | 453 | FA50710230 | 454 | FA50713330 | 449 | FA50802530 | 445 | FA50902230 |
| 451 | FA50700533 | 453 | FA50710233 | 454 | FA50713333 | 449 | FA50802533 | 445 | FA50902233 |
| 451 | FA50701201 | 453 | FA50710301 | 454 | FA50713501 | 449 | FA50803201 | 445 | FA50902301 |
| 451 | FA50701206 | 453 | FA50710306 | 454 | FA50713506 | 449 | FA50803206 | 445 | FA50902306 |
| 451 | FA50701212 | 453 | FA50710312 | 454 | FA50713512 | 449 | FA50803212 | 445 | FA50902312 |
| 451 | FA50701218 | 453 | FA50710318 | 454 | FA50713518 | 449 | FA50803218 | 445 | FA50902318 |
| 451 | FA50701230 | 453 | FA50710330 | 454 | FA50713530 | 449 | FA50803230 | 445 | FA50902330 |
| 451 | FA50701233 | 453 | FA50710333 | 454 | FA50713533 | 449 | FA50803233 | 445 | FA50902333 |
| 451 | FA50701301 | 453 | FA50710501 | 448 | FA50800201 | 449 | FA50803301 | 445 | FA50902501 |
| 451 | FA50701306 | 453 | FA50710506 | 448 | FA50800206 | 449 | FA50803306 | 445 | FA50902506 |
| 451 | FA50701312 | 453 | FA50710512 | 448 | FA50800212 | 449 | FA50803312 | 445 | FA50902512 |
| 451 | FA50701318 | 453 | FA50710518 | 448 | FA50800218 | 449 | FA50803318 | 445 | FA50902518 |
| 451 | FA50701330 | 453 | FA50710530 | 448 | FA50800230 | 449 | FA50803330 | 445 | FA50902530 |
| 451 | FA50701333 | 453 | FA50710533 | 448 | FA50800233 | 449 | FA50803333 | 445 | FA50902533 |
| 451 | FA50701501 | 453 | FA50711201 | 448 | FA50800301 | 449 | FA50803501 | 445 | FA50903201 |
| 451 | FA50701506 | 453 | FA50711206 | 448 | FA50800306 | 449 | FA50803506 | 445 | FA50903206 |
| 451 | FA50701512 | 453 | FA50711212 | 448 | FA50800312 | 449 | FA50803512 | 445 | FA50903212 |
| 451 | FA50701518 | 453 | FA50711218 | 448 | FA50800318 | 449 | FA50803518 | 445 | FA50903218 |
| 451 | FA50701530 | 453 | FA50711230 | 448 | FA50800330 | 449 | FA50803530 | 445 | FA50903230 |
| 451 | FA50701533 | 453 | FA50711233 | 448 | FA50800333 | 449 | FA50803533 | 445 | FA50903233 |
| 452 | FA50702201 | 453 | FA50711301 | 448 | FA50800501 | 444 | FA50900201 | 445 | FA50903301 |
| 452 | FA50702206 | 453 | FA50711306 | 448 | FA50800506 | 444 | FA50900206 | 445 | FA50903306 |
| 452 | FA50702212 | 453 | FA50711312 | 448 | FA50800512 | 444 | FA50900212 | 445 | FA50903312 |
| 452 | FA50702218 | 453 | FA50711318 | 448 | FA50800518 | 444 | FA50900218 | 445 | FA50903318 |
| 452 | FA50702230 | 453 | FA50711330 | 448 | FA50800530 | 444 | FA50900230 | 445 | FA50903330 |
| 452 | FA50702233 | 453 | FA50711333 | 448 | FA50800533 | 444 | FA50900233 | 445 | FA50903333 |
| 452 | FA50702301 | 453 | FA50711501 | 448 | FA50801201 | 444 | FA50900301 | 445 | FA50903501 |
| 452 | FA50702306 | 453 | FA50711506 | 448 | FA50801206 | 444 | FA50900306 | 445 | FA50903506 |
| 452 | FA50702312 | 453 | FA50711512 | 448 | FA50801212 | 444 | FA50900312 | 445 | FA50903512 |
| 452 | FA50702318 | 453 | FA50711518 | 448 | FA50801218 | 444 | FA50900318 | 445 | FA50903518 |
| 452 | FA50702330 | 453 | FA50711530 | 448 | FA50801230 | 444 | FA50900330 | 445 | FA50903530 |
| 452 | FA50702333 | 453 | FA50711533 | 448 | FA50801233 | 444 | FA50900333 | 445 | FA50903533 |
| 452 | FA50702501 | 454 | FA50712201 | 448 | FA50801301 | 444 | FA50900501 | 446 | FA50904201 |
| 452 | FA50702506 | 454 | FA50712206 | 448 | FA50801306 | 444 | FA50900506 | 446 | FA50904206 |
| 452 | FA50702512 | 454 | FA50712212 | 448 | FA50801312 | 444 | FA50900512 | 446 | FA50904212 |
| 452 | FA50702518 | 454 | FA50712218 | 448 | FA50801318 | 444 | FA50900518 | 446 | FA50904218 |
| 452 | FA50702530 | 454 | FA50712230 | 448 | FA50801330 | 444 | FA50900530 | 446 | FA50904230 |
| 452 | FA50702533 | 454 | FA50712233 | 448 | FA50801333 | 444 | FA50900533 | 446 | FA50904233 |
| 452 | FA50703201 | 454 | FA50712301 | 448 | FA50801501 | 444 | FA50901201 | 446 | FA50904301 |
| 452 | FA50703206 | 454 | FA50712306 | 448 | FA50801506 | 444 | FA50901206 | 446 | FA50904306 |
| 452 | FA50703212 | 454 | FA50712312 | 448 | FA50801512 | 444 | FA50901212 | 446 | FA50904312 |
| 452 | FA50703218 | 454 | FA50712318 | 448 | FA50801518 | 444 | FA50901218 | 446 | FA50904318 |
| 452 | FA50703230 | 454 | FA50712330 | 448 | FA50801530 | 444 | FA50901230 | 446 | FA50904330 |

| Page | Reference | Page | Reference | Page | Reference | Page | Reference | Page | Reference |
|---|---|---|---|---|---|---|---|---|---|
| 446 | FA50904333 | 456 | FA51200533 | 795 | FA51303230 | 798 | FA51305930 | 795 | FA51308430 |
| 446 | FA50904501 | 456 | FA51201201 | 795 | FA51303233 | 798 | FA51305933 | 795 | FA51308433 |
| 446 | FA50904506 | 456 | FA51201206 | 795 | FA51303301 | 798 | FA51306001 | 795 | FA51308601 |
| 446 | FA50904512 | 456 | FA51201212 | 795 | FA51303306 | 798 | FA51306006 | 795 | FA51308606 |
| 446 | FA50904518 | 456 | FA51201218 | 795 | FA51303312 | 798 | FA51306012 | 795 | FA51308612 |
| 446 | FA50904530 | 456 | FA51201230 | 795 | FA51303318 | 798 | FA51306018 | 795 | FA51308618 |
| 446 | FA50904533 | 456 | FA51201233 | 795 | FA51303330 | 798 | FA51306030 | 795 | FA51308630 |
| 446 | FA50905201 | 456 | FA51201301 | 795 | FA51303333 | 798 | FA51306033 | 795 | FA51308633 |
| 446 | FA50905206 | 456 | FA51201306 | 796 | FA51303501 | 798 | FA51306201 | 796 | FA51308801 |
| 446 | FA50905212 | 456 | FA51201312 | 796 | FA51303506 | 798 | FA51306206 | 796 | FA51308806 |
| 446 | FA50905218 | 456 | FA51201318 | 796 | FA51303512 | 798 | FA51306212 | 796 | FA51308812 |
| 446 | FA50905230 | 456 | FA51201330 | 796 | FA51303518 | 798 | FA51306218 | 796 | FA51308818 |
| 446 | FA50905233 | 456 | FA51201333 | 796 | FA51303530 | 798 | FA51306230 | 796 | FA51308830 |
| 446 | FA50905301 | 456 | FA51201501 | 796 | FA51303533 | 798 | FA51306233 | 796 | FA51308833 |
| 446 | FA50905306 | 456 | FA51201506 | 796 | FA51303601 | 798 | FA51306301 | 796 | FA51309001 |
| 446 | FA50905312 | 456 | FA51201512 | 796 | FA51303606 | 798 | FA51306306 | 796 | FA51309006 |
| 446 | FA50905318 | 456 | FA51201518 | 796 | FA51303612 | 798 | FA51306312 | 796 | FA51309012 |
| 446 | FA50905330 | 456 | FA51201530 | 796 | FA51303618 | 798 | FA51306318 | 796 | FA51309018 |
| 446 | FA50905333 | 456 | FA51201533 | 796 | FA51303630 | 798 | FA51306330 | 796 | FA51309030 |
| 446 | FA50905501 | 790 | FA5130 | 796 | FA51303633 | 798 | FA51306333 | 796 | FA51309033 |
| 446 | FA50905506 | 794 | FA51300201 | 796 | FA51303801 | 799 | FA51306501 | 797 | FA51309201 |
| 446 | FA50905512 | 794 | FA51300206 | 796 | FA51303806 | 799 | FA51306506 | 797 | FA51309206 |
| 446 | FA50905518 | 794 | FA51300212 | 796 | FA51303812 | 799 | FA51306512 | 797 | FA51309212 |
| 446 | FA50905530 | 794 | FA51300218 | 796 | FA51303818 | 799 | FA51306518 | 797 | FA51309218 |
| 446 | FA50905533 | 794 | FA51300230 | 796 | FA51303830 | 799 | FA51306530 | 797 | FA51309230 |
| 446 | FA50906201 | 794 | FA51300233 | 796 | FA51303833 | 799 | FA51306533 | 797 | FA51309233 |
| 446 | FA50906206 | 794 | FA51300301 | 796 | FA51303901 | 799 | FA51306601 | 797 | FA51309401 |
| 446 | FA50906212 | 794 | FA51300306 | 796 | FA51303906 | 799 | FA51306606 | 797 | FA51309406 |
| 446 | FA50906218 | 794 | FA51300312 | 796 | FA51303912 | 799 | FA51306612 | 797 | FA51309412 |
| 446 | FA50906230 | 794 | FA51300318 | 796 | FA51303918 | 799 | FA51306618 | 797 | FA51309418 |
| 446 | FA50906233 | 794 | FA51300330 | 796 | FA51303930 | 799 | FA51306630 | 797 | FA51309430 |
| 446 | FA50906301 | 794 | FA51300333 | 796 | FA51303933 | 799 | FA51306633 | 797 | FA51309433 |
| 446 | FA50906306 | 794 | FA51301201 | 797 | FA51304701 | 799 | FA51306801 | 798 | FA51309601 |
| 446 | FA50906312 | 794 | FA51301206 | 797 | FA51304706 | 799 | FA51306806 | 798 | FA51309606 |
| 446 | FA50906318 | 794 | FA51301212 | 797 | FA51304712 | 799 | FA51306812 | 798 | FA51309612 |
| 446 | FA50906330 | 794 | FA51301218 | 797 | FA51304718 | 799 | FA51306818 | 798 | FA51309618 |
| 446 | FA50906333 | 794 | FA51301230 | 797 | FA51304730 | 799 | FA51306830 | 798 | FA51309630 |
| 446 | FA50906501 | 794 | FA51301233 | 797 | FA51304733 | 799 | FA51306833 | 798 | FA51309633 |
| 446 | FA50906506 | 794 | FA51301301 | 797 | FA51304801 | 799 | FA51306901 | 798 | FA51309801 |
| 446 | FA50906512 | 794 | FA51301306 | 797 | FA51304806 | 799 | FA51306906 | 798 | FA51309806 |
| 446 | FA50906518 | 794 | FA51301312 | 797 | FA51304812 | 799 | FA51306912 | 798 | FA51309812 |
| 446 | FA50906530 | 794 | FA51301318 | 797 | FA51304818 | 799 | FA51306918 | 798 | FA51309818 |
| 446 | FA50906533 | 794 | FA51301330 | 797 | FA51304830 | 799 | FA51306930 | 798 | FA51309830 |
| 456 | FA51200201 | 794 | FA51301333 | 797 | FA51304833 | 799 | FA51306933 | 798 | FA51309833 |
| 456 | FA51200206 | 795 | FA51302201 | 797 | FA51305001 | 794 | FA51308001 | 799 | FA51310001 |
| 456 | FA51200212 | 795 | FA51302206 | 797 | FA51305006 | 794 | FA51308006 | 799 | FA51310006 |
| 456 | FA51200218 | 795 | FA51302212 | 797 | FA51305012 | 794 | FA51308012 | 799 | FA51310012 |
| 456 | FA51200230 | 795 | FA51302218 | 797 | FA51305018 | 794 | FA51308018 | 799 | FA51310018 |
| 456 | FA51200233 | 795 | FA51302230 | 797 | FA51305030 | 794 | FA51308030 | 799 | FA51310030 |
| 456 | FA51200301 | 795 | FA51302233 | 797 | FA51305033 | 794 | FA51308033 | 799 | FA51310033 |
| 456 | FA51200306 | 795 | FA51302301 | 797 | FA51305101 | 794 | FA51308201 | 799 | FA51310201 |
| 456 | FA51200312 | 795 | FA51302306 | 797 | FA51305106 | 794 | FA51308206 | 799 | FA51310206 |
| 456 | FA51200318 | 795 | FA51302312 | 797 | FA51305112 | 794 | FA51308212 | 799 | FA51310212 |
| 456 | FA51200330 | 795 | FA51302318 | 797 | FA51305118 | 794 | FA51308218 | 799 | FA51310218 |
| 456 | FA51200333 | 795 | FA51302330 | 797 | FA51305130 | 794 | FA51308230 | 799 | FA51310230 |
| 456 | FA51200501 | 795 | FA51302333 | 797 | FA51305133 | 794 | FA51308233 | 799 | FA51310233 |
| 456 | FA51200506 | 795 | FA51303201 | 798 | FA51305901 | 795 | FA51308401 | 509 | FA51700256 |
| 456 | FA51200512 | 795 | FA51303206 | 798 | FA51305906 | 795 | FA51308406 | 509 | FA51700356 |
| 456 | FA51200518 | 795 | FA51303212 | 798 | FA51305912 | 795 | FA51308412 | 509 | FA51700556 |
| 456 | FA51200530 | 795 | FA51303218 | 798 | FA51305918 | 795 | FA51308418 | 509 | FA51701256 |

| Page | Reference | Page | Reference | Page | Reference | Page | Reference | Page | Reference |
|---|---|---|---|---|---|---|---|---|---|
| 509 | FA51701356 | 531 | FA51704356 | 504 | FA51800856 | 527 | FA51807230 | 527 | FA51827256 |
| 509 | FA51701456 | 531 | FA51704501 | 504 | FA51800956 | 527 | FA51807233 | 528 | FA51828201 |
| 509 | FA51701556 | 531 | FA51704506 | 505 | FA51801256 | 527 | FA51807256 | 528 | FA51828206 |
| 509 | FA51701656 | 531 | FA51704512 | 505 | FA51801356 | 527 | FA51807301 | 528 | FA51828212 |
| 509 | FA51701756 | 531 | FA51704518 | 506 | FA51801556 | 527 | FA51807306 | 528 | FA51828218 |
| 530 | FA51702201 | 531 | FA51704530 | 506 | FA51801656 | 527 | FA51807312 | 528 | FA51828230 |
| 530 | FA51702206 | 531 | FA51704533 | 506 | FA51802256 | 527 | FA51807318 | 528 | FA51828233 |
| 530 | FA51702212 | 531 | FA51704556 | 506 | FA51802356 | 527 | FA51807330 | 528 | FA51828256 |
| 530 | FA51702218 | 531 | FA51705201 | 506 | FA51802556 | 527 | FA51807333 | 790 | FA5230 |
| 530 | FA51702230 | 531 | FA51705206 | 506 | FA51802656 | 527 | FA51807356 | 676 | FA523002.A |
| 530 | FA51702233 | 531 | FA51705212 | 506 | FA51803256 | 528 | FA51808201 | 676 | FA523003 |
| 530 | FA51702256 | 531 | FA51705218 | 506 | FA51803356 | 528 | FA51808206 | 676 | FA523012.A |
| 530 | FA51702301 | 531 | FA51705230 | 505 | FA51803456 | 528 | FA51808212 | 676 | FA523013 |
| 530 | FA51702306 | 531 | FA51705233 | 505 | FA51803556 | 528 | FA51808218 | 677 | FA523022.A |
| 530 | FA51702312 | 531 | FA51705256 | 526 | FA51804201 | 528 | FA51808230 | 677 | FA523023 |
| 530 | FA51702318 | 531 | FA51705301 | 526 | FA51804206 | 528 | FA51808233 | 677 | FA523032.A |
| 530 | FA51702330 | 531 | FA51705306 | 526 | FA51804212 | 528 | FA51808256 | 677 | FA523033 |
| 530 | FA51702333 | 531 | FA51705312 | 526 | FA51804218 | 528 | FA51808301 | 678 | FA523042.A |
| 530 | FA51702356 | 531 | FA51705318 | 526 | FA51804230 | 528 | FA51808306 | 678 | FA523043 |
| 530 | FA51702501 | 531 | FA51705330 | 526 | FA51804233 | 528 | FA51808312 | 678 | FA523052.A |
| 530 | FA51702506 | 531 | FA51705333 | 526 | FA51804256 | 528 | FA51808318 | 678 | FA523053 |
| 530 | FA51702512 | 531 | FA51705356 | 526 | FA51804301 | 528 | FA51808330 | 679 | FA523062.A |
| 530 | FA51702518 | 531 | FA51705501 | 526 | FA51804306 | 528 | FA51808333 | 679 | FA523063 |
| 530 | FA51702530 | 531 | FA51705506 | 526 | FA51804312 | 528 | FA51808356 | 679 | FA523072.A |
| 530 | FA51702533 | 531 | FA51705512 | 526 | FA51804318 | 505 | FA51820256 | 679 | FA523073 |
| 530 | FA51702556 | 531 | FA51705518 | 526 | FA51804330 | 504 | FA51820556 | 676 | FA523203 |
| 530 | FA51703201 | 531 | FA51705530 | 526 | FA51804333 | 504 | FA51820856 | 676 | FA523213 |
| 530 | FA51703206 | 531 | FA51705533 | 526 | FA51804356 | 505 | FA51821256 | 677 | FA523223 |
| 530 | FA51703212 | 531 | FA51705556 | 526 | FA51805201 | 506 | FA51821556 | 677 | FA523233 |
| 530 | FA51703218 | 532 | FA51706201 | 526 | FA51805206 | 506 | FA51822256 | 678 | FA523243 |
| 530 | FA51703230 | 532 | FA51706206 | 526 | FA51805212 | 506 | FA51822556 | 678 | FA523253 |
| 530 | FA51703233 | 532 | FA51706212 | 526 | FA51805218 | 506 | FA51823256 | 679 | FA523263 |
| 530 | FA51703256 | 532 | FA51706218 | 526 | FA51805230 | 505 | FA51823456 | 679 | FA523273 |
| 530 | FA51703301 | 532 | FA51706230 | 526 | FA51805233 | 526 | FA51824201 | 551 | FA524002 |
| 530 | FA51703306 | 532 | FA51706233 | 526 | FA51805256 | 526 | FA51824206 | 551 | FA524003 |
| 530 | FA51703312 | 532 | FA51706256 | 526 | FA51805301 | 526 | FA51824212 | 551 | FA524004 |
| 530 | FA51703318 | 532 | FA51706301 | 526 | FA51805306 | 526 | FA51824218 | 551 | FA524005 |
| 530 | FA51703330 | 532 | FA51706306 | 526 | FA51805312 | 526 | FA51824230 | 550 | FA524012 |
| 530 | FA51703333 | 532 | FA51706312 | 526 | FA51805318 | 526 | FA51824233 | 550 | FA524013 |
| 530 | FA51703356 | 532 | FA51706318 | 526 | FA51805330 | 526 | FA51824256 | 550 | FA524015 |
| 530 | FA51703501 | 532 | FA51706330 | 526 | FA51805333 | 526 | FA51825201 | 550 | FA524022 |
| 530 | FA51703506 | 532 | FA51706333 | 526 | FA51805356 | 526 | FA51825206 | 550 | FA524023 |
| 530 | FA51703512 | 532 | FA51706356 | 527 | FA51806201 | 526 | FA51825212 | 550 | FA524025 |
| 530 | FA51703518 | 532 | FA51706501 | 527 | FA51806206 | 526 | FA51825218 | 555 | FA524102 |
| 530 | FA51703530 | 532 | FA51706506 | 527 | FA51806212 | 526 | FA51825230 | 555 | FA524103 |
| 530 | FA51703533 | 532 | FA51706512 | 527 | FA51806218 | 526 | FA51825233 | 555 | FA524104 |
| 530 | FA51703556 | 532 | FA51706518 | 527 | FA51806230 | 526 | FA51825256 | 555 | FA524105 |
| 531 | FA51704201 | 532 | FA51706530 | 527 | FA51806233 | 527 | FA51826201 | 554 | FA524112 |
| 531 | FA51704206 | 532 | FA51706533 | 527 | FA51806256 | 527 | FA51826206 | 554 | FA524113 |
| 531 | FA51704212 | 532 | FA51706556 | 527 | FA51806301 | 527 | FA51826212 | 554 | FA524115 |
| 531 | FA51704218 | 508 | FA51711256 | 527 | FA51806306 | 527 | FA51826218 | 554 | FA524122 |
| 531 | FA51704230 | 508 | FA51711356 | 527 | FA51806312 | 527 | FA51826230 | 554 | FA524123 |
| 531 | FA51704233 | 508 | FA51711556 | 527 | FA51806318 | 527 | FA51826233 | 554 | FA524125 |
| 531 | FA51704256 | 508 | FA51712256 | 527 | FA51806330 | 527 | FA51826256 | 553 | FA524502 |
| 531 | FA51704301 | 508 | FA51712356 | 527 | FA51806333 | 527 | FA51827201 | 553 | FA524503 |
| 531 | FA51704306 | 508 | FA51712556 | 527 | FA51806356 | 527 | FA51827206 | 553 | FA524504 |
| 531 | FA51704312 | 505 | FA51800256 | 527 | FA51807201 | 527 | FA51827212 | 553 | FA524505 |
| 531 | FA51704318 | 505 | FA51800356 | 527 | FA51807206 | 527 | FA51827218 | 552 | FA524512 |
| 531 | FA51704330 | 504 | FA51800556 | 527 | FA51807212 | 527 | FA51827230 | 552 | FA524513 |
| 531 | FA51704333 | 504 | FA51800656 | 527 | FA51807218 | 527 | FA51827233 | 552 | FA524515 |

| Page | Reference | Page | Reference | Page | Reference | Page | Reference | Page | Reference |
|---|---|---|---|---|---|---|---|---|---|
| 552 | FA524522 | 838 | FA52504318 | 841 | FA52507218 | 840 | FA52508333 | 847 | FA52510306 |
| 552 | FA524523 | 838 | FA52504330 | 841 | FA52507218-300 | 840 | FA52508333-300 | 847 | FA52510306-300 |
| 552 | FA524525 | 838 | FA52504333 | 841 | FA52507218-310 | 840 | FA52508333-310 | 847 | FA52510306-310 |
| 836 | FA52500201.A | 838 | FA52505201 | 841 | FA52507230 | 840 | FA52509201 | 847 | FA52510312 |
| 836 | FA52500206.A | 838 | FA52505206 | 841 | FA52507230-300 | 840 | FA52509201-300 | 847 | FA52510312-300 |
| 836 | FA52500212.A | 838 | FA52505212 | 841 | FA52507230-310 | 840 | FA52509201-310 | 847 | FA52510312-310 |
| 836 | FA52500218.A | 838 | FA52505218 | 841 | FA52507233 | 840 | FA52509206 | 847 | FA52510318 |
| 836 | FA52500230.A | 838 | FA52505230 | 841 | FA52507233-300 | 840 | FA52509206-300 | 847 | FA52510318-300 |
| 836 | FA52500233.A | 838 | FA52505233 | 841 | FA52507233-310 | 840 | FA52509206-310 | 847 | FA52510318-310 |
| 836 | FA52500301.A | 838 | FA52505301 | 841 | FA52507301 | 840 | FA52509212 | 847 | FA52510330 |
| 836 | FA52500306.A | 838 | FA52505306 | 841 | FA52507301-300 | 840 | FA52509212-300 | 847 | FA52510330-300 |
| 836 | FA52500312.A | 838 | FA52505312 | 841 | FA52507301-310 | 840 | FA52509212-310 | 847 | FA52510330-310 |
| 836 | FA52500318.A | 838 | FA52505318 | 841 | FA52507306 | 840 | FA52509218 | 847 | FA52510333 |
| 836 | FA52500330.A | 838 | FA52505330 | 841 | FA52507306-300 | 840 | FA52509218-300 | 847 | FA52510333-300 |
| 836 | FA52500333.A | 838 | FA52505333 | 841 | FA52507306-310 | 840 | FA52509218-310 | 847 | FA52510333-310 |
| 836 | FA52501201.A | 841 | FA52506201 | 841 | FA52507312 | 840 | FA52509230 | 847 | FA52511201 |
| 836 | FA52501206.A | 841 | FA52506201-300 | 841 | FA52507312-300 | 840 | FA52509230-300 | 847 | FA52511201-300 |
| 836 | FA52501212.A | 841 | FA52506201-310 | 841 | FA52507312-310 | 840 | FA52509230-310 | 847 | FA52511201-310 |
| 836 | FA52501218.A | 841 | FA52506206 | 841 | FA52507318 | 840 | FA52509233 | 847 | FA52511206 |
| 836 | FA52501230.A | 841 | FA52506206-300 | 841 | FA52507318-300 | 840 | FA52509233-300 | 847 | FA52511206-300 |
| 836 | FA52501233.A | 841 | FA52506206-310 | 841 | FA52507318-310 | 840 | FA52509233-310 | 847 | FA52511206-310 |
| 836 | FA52501301.A | 841 | FA52506212 | 841 | FA52507330 | 840 | FA52509301 | 847 | FA52511212 |
| 836 | FA52501306.A | 841 | FA52506212-300 | 841 | FA52507330-300 | 840 | FA52509301-300 | 847 | FA52511212-300 |
| 836 | FA52501312.A | 841 | FA52506212-310 | 841 | FA52507330-310 | 840 | FA52509301-310 | 847 | FA52511212-310 |
| 836 | FA52501318.A | 841 | FA52506218 | 841 | FA52507333 | 840 | FA52509306 | 847 | FA52511218 |
| 836 | FA52501330.A | 841 | FA52506218-300 | 841 | FA52507333-300 | 840 | FA52509306-300 | 847 | FA52511218-300 |
| 836 | FA52501333.A | 841 | FA52506218-310 | 841 | FA52507333-310 | 840 | FA52509306-310 | 847 | FA52511218-310 |
| 836 | FA52502201.A | 841 | FA52506230 | 840 | FA52508201 | 840 | FA52509312 | 847 | FA52511230 |
| 836 | FA52502206.A | 841 | FA52506230-300 | 840 | FA52508201-300 | 840 | FA52509312-300 | 847 | FA52511230-300 |
| 836 | FA52502212.A | 841 | FA52506230-310 | 840 | FA52508201-310 | 840 | FA52509312-310 | 847 | FA52511230-310 |
| 836 | FA52502218.A | 841 | FA52506233 | 840 | FA52508206 | 840 | FA52509318 | 847 | FA52511233 |
| 836 | FA52502230.A | 841 | FA52506233-300 | 840 | FA52508206-300 | 840 | FA52509318-300 | 847 | FA52511233-300 |
| 836 | FA52502233.A | 841 | FA52506233-310 | 840 | FA52508206-310 | 840 | FA52509318-310 | 847 | FA52511233-310 |
| 836 | FA52502301.A | 841 | FA52506301 | 840 | FA52508212 | 840 | FA52509330 | 847 | FA52511301 |
| 836 | FA52502306.A | 841 | FA52506301-300 | 840 | FA52508212-300 | 840 | FA52509330-300 | 847 | FA52511301-300 |
| 836 | FA52502312.A | 841 | FA52506301-310 | 840 | FA52508212-310 | 840 | FA52509330-310 | 847 | FA52511301-310 |
| 836 | FA52502318.A | 841 | FA52506306 | 840 | FA52508218 | 840 | FA52509333 | 847 | FA52511306 |
| 836 | FA52502330.A | 841 | FA52506306-300 | 840 | FA52508218-300 | 840 | FA52509333-300 | 847 | FA52511306-300 |
| 836 | FA52502333.A | 841 | FA52506306-310 | 840 | FA52508218-310 | 840 | FA52509333-310 | 847 | FA52511306-310 |
| 838 | FA52503201 | 841 | FA52506312 | 840 | FA52508230 | 847 | FA52510201 | 847 | FA52511312 |
| 838 | FA52503206 | 841 | FA52506312-300 | 840 | FA52508230-300 | 847 | FA52510201-300 | 847 | FA52511312-300 |
| 838 | FA52503212 | 841 | FA52506312-310 | 840 | FA52508230-310 | 847 | FA52510201-310 | 847 | FA52511312-310 |
| 838 | FA52503218 | 841 | FA52506318 | 840 | FA52508233 | 847 | FA52510206 | 847 | FA52511318 |
| 838 | FA52503230 | 841 | FA52506318-300 | 840 | FA52508233-300 | 847 | FA52510206-300 | 847 | FA52511318-300 |
| 838 | FA52503233 | 841 | FA52506318-310 | 840 | FA52508233-310 | 847 | FA52510206-310 | 847 | FA52511318-310 |
| 838 | FA52503301 | 841 | FA52506330 | 840 | FA52508301 | 847 | FA52510212 | 847 | FA52511330 |
| 838 | FA52503306 | 841 | FA52506330-300 | 840 | FA52508301-300 | 847 | FA52510212-300 | 847 | FA52511330-300 |
| 838 | FA52503312 | 841 | FA52506330-310 | 840 | FA52508301-310 | 847 | FA52510212-310 | 847 | FA52511330-310 |
| 838 | FA52503318 | 841 | FA52506333 | 840 | FA52508306 | 847 | FA52510218 | 847 | FA52511333 |
| 838 | FA52503330 | 841 | FA52506333-300 | 840 | FA52508306-300 | 847 | FA52510218-300 | 847 | FA52511333-300 |
| 838 | FA52503333 | 841 | FA52506333-310 | 840 | FA52508306-310 | 847 | FA52510218-310 | 847 | FA52511333-310 |
| 838 | FA52504201 | 841 | FA52507201 | 840 | FA52508312 | 847 | FA52510230 | 846 | FA52512201 |
| 838 | FA52504206 | 841 | FA52507201-300 | 840 | FA52508312-300 | 847 | FA52510230-300 | 846 | FA52512201-300 |
| 838 | FA52504212 | 841 | FA52507201-310 | 840 | FA52508312-310 | 847 | FA52510230-310 | 846 | FA52512201-310 |
| 838 | FA52504218 | 841 | FA52507206 | 840 | FA52508318 | 847 | FA52510233 | 846 | FA52512206 |
| 838 | FA52504230 | 841 | FA52507206-300 | 840 | FA52508318-300 | 847 | FA52510233-300 | 846 | FA52512206-300 |
| 838 | FA52504233 | 841 | FA52507206-310 | 840 | FA52508318-310 | 847 | FA52510233-310 | 846 | FA52512206-310 |
| 838 | FA52504301 | 841 | FA52507212 | 840 | FA52508330 | 847 | FA52510301 | 846 | FA52512212 |
| 838 | FA52504306 | 841 | FA52507212-300 | 840 | FA52508330-300 | 847 | FA52510301-300 | 846 | FA52512212-300 |
| 838 | FA52504312 | 841 | FA52507212-310 | 840 | FA52508330-310 | 847 | FA52510301-310 | 846 | FA52512212-310 |

| Page | Reference | Page | Reference | Page | Reference | Page | Reference | Page | Reference |
|---|---|---|---|---|---|---|---|---|---|
| 846 | FA52512218 | 846 | FA52513318 | 840 | FA52515233 | 846 | FA52516006 | 847 | FA52516618 |
| 846 | FA52512218-300 | 846 | FA52513318-300 | 840 | FA52515233-300 | 846 | FA52516006-300 | 847 | FA52516618-300 |
| 846 | FA52512218-310 | 846 | FA52513318-310 | 840 | FA52515233-310 | 846 | FA52516006-310 | 847 | FA52516618-310 |
| 846 | FA52512230 | 846 | FA52513330 | 840 | FA52515401 | 846 | FA52516012 | 847 | FA52516630 |
| 846 | FA52512230-300 | 846 | FA52513330-300 | 840 | FA52515401-300 | 846 | FA52516012-300 | 847 | FA52516630-300 |
| 846 | FA52512230-310 | 846 | FA52513330-310 | 840 | FA52515401-310 | 846 | FA52516012-310 | 847 | FA52516630-310 |
| 846 | FA52512233 | 846 | FA52513333 | 840 | FA52515406 | 846 | FA52516018 | 847 | FA52516633 |
| 846 | FA52512233-300 | 846 | FA52513333-300 | 840 | FA52515406-300 | 846 | FA52516018-300 | 847 | FA52516633-300 |
| 846 | FA52512233-310 | 846 | FA52513333-310 | 840 | FA52515406-310 | 846 | FA52516018-310 | 847 | FA52516633-310 |
| 846 | FA52512301 | 836 | FA52514001.A | 840 | FA52515412 | 846 | FA52516030 | 701 | FA52600201.A |
| 846 | FA52512301-300 | 836 | FA52514006.A | 840 | FA52515412-300 | 846 | FA52516030-300 | 701 | FA52600206.A |
| 846 | FA52512301-310 | 836 | FA52514012.A | 840 | FA52515412-310 | 846 | FA52516030-310 | 701 | FA52600212.A |
| 846 | FA52512306 | 836 | FA52514018.A | 840 | FA52515418 | 846 | FA52516033 | 701 | FA52600218.A |
| 846 | FA52512306-300 | 836 | FA52514030.A | 840 | FA52515418-300 | 846 | FA52516033-300 | 701 | FA52600230.A |
| 846 | FA52512306-310 | 836 | FA52514033.A | 840 | FA52515418-310 | 846 | FA52516033-310 | 701 | FA52600233.A |
| 846 | FA52512312 | 836 | FA52514201.A | 840 | FA52515430 | 846 | FA52516201 | 701 | FA52600301.A |
| 846 | FA52512312-300 | 836 | FA52514206.A | 840 | FA52515430-300 | 846 | FA52516201-300 | 701 | FA52600306.A |
| 846 | FA52512312-310 | 836 | FA52514212.A | 840 | FA52515430-310 | 846 | FA52516201-310 | 701 | FA52600312.A |
| 846 | FA52512318 | 836 | FA52514218.A | 840 | FA52515433 | 846 | FA52516206 | 701 | FA52600318.A |
| 846 | FA52512318-300 | 836 | FA52514230.A | 840 | FA52515433-300 | 846 | FA52516206-300 | 701 | FA52600330.A |
| 846 | FA52512318-310 | 836 | FA52514233.A | 840 | FA52515433-310 | 846 | FA52516206-310 | 701 | FA52600333.A |
| 846 | FA52512330 | 836 | FA52514401.A | 841 | FA52515601 | 846 | FA52516212 | 701 | FA52600501.A |
| 846 | FA52512330-300 | 836 | FA52514406.A | 841 | FA52515601-300 | 846 | FA52516212-300 | 701 | FA52600506.A |
| 846 | FA52512330-310 | 836 | FA52514412.A | 841 | FA52515601-310 | 846 | FA52516212-310 | 701 | FA52600512.A |
| 846 | FA52512333 | 836 | FA52514418.A | 841 | FA52515606 | 846 | FA52516218 | 701 | FA52600518.A |
| 846 | FA52512333-300 | 836 | FA52514430.A | 841 | FA52515606-300 | 846 | FA52516218-300 | 701 | FA52600530.A |
| 846 | FA52512333-310 | 836 | FA52514433.A | 841 | FA52515606-310 | 846 | FA52516218-310 | 701 | FA52600533.A |
| 848 | FA52512401 | 838 | FA52514601 | 841 | FA52515612 | 846 | FA52516230 | 710 | FA52700201 |
| 848 | FA52512406 | 838 | FA52514606 | 841 | FA52515612-300 | 846 | FA52516230-300 | 710 | FA52700206 |
| 848 | FA52512412 | 838 | FA52514612 | 841 | FA52515612-310 | 846 | FA52516230-310 | 710 | FA52700212 |
| 848 | FA52512418 | 838 | FA52514618 | 841 | FA52515618 | 846 | FA52516233 | 710 | FA52700218 |
| 848 | FA52512430 | 838 | FA52514630 | 841 | FA52515618-300 | 846 | FA52516233-300 | 710 | FA52700230 |
| 848 | FA52512433 | 838 | FA52514633 | 841 | FA52515618-310 | 846 | FA52516233-310 | 710 | FA52700233 |
| 846 | FA52513201 | 838 | FA52514801 | 841 | FA52515630 | 847 | FA52516401 | 710 | FA52700301 |
| 846 | FA52513201-300 | 838 | FA52514806 | 841 | FA52515630-300 | 847 | FA52516401-300 | 710 | FA52700306 |
| 846 | FA52513201-310 | 838 | FA52514812 | 841 | FA52515630-310 | 847 | FA52516401-310 | 710 | FA52700312 |
| 846 | FA52513206 | 838 | FA52514818 | 841 | FA52515633 | 847 | FA52516406 | 710 | FA52700318 |
| 846 | FA52513206-300 | 838 | FA52514830 | 841 | FA52515633-300 | 847 | FA52516406-300 | 710 | FA52700330 |
| 846 | FA52513206-310 | 838 | FA52514833 | 841 | FA52515633-310 | 847 | FA52516406-310 | 710 | FA52700333 |
| 846 | FA52513212 | 838 | FA52515001 | 841 | FA52515801 | 847 | FA52516412 | 710 | FA52700501 |
| 846 | FA52513212-300 | 838 | FA52515006 | 841 | FA52515801-300 | 847 | FA52516412-300 | 710 | FA52700506 |
| 846 | FA52513212-310 | 838 | FA52515012 | 841 | FA52515801-310 | 847 | FA52516412-310 | 710 | FA52700512 |
| 846 | FA52513218 | 838 | FA52515018 | 841 | FA52515806 | 847 | FA52516418 | 710 | FA52700518 |
| 846 | FA52513218-300 | 838 | FA52515030 | 841 | FA52515806-300 | 847 | FA52516418-300 | 710 | FA52700530 |
| 846 | FA52513218-310 | 838 | FA52515033 | 841 | FA52515806-310 | 847 | FA52516418-310 | 710 | FA52700533 |
| 846 | FA52513230 | 840 | FA52515201 | 841 | FA52515812 | 847 | FA52516430 | 710 | FA52701201 |
| 846 | FA52513230-300 | 840 | FA52515201-300 | 841 | FA52515812-300 | 847 | FA52516430-300 | 710 | FA52701206 |
| 846 | FA52513230-310 | 840 | FA52515201-310 | 841 | FA52515812-310 | 847 | FA52516430-310 | 710 | FA52701212 |
| 846 | FA52513233 | 840 | FA52515206 | 841 | FA52515818 | 847 | FA52516433 | 710 | FA52701218 |
| 846 | FA52513233-300 | 840 | FA52515206-300 | 841 | FA52515818-300 | 847 | FA52516433-300 | 710 | FA52701230 |
| 846 | FA52513233-310 | 840 | FA52515206-310 | 841 | FA52515818-310 | 847 | FA52516433-310 | 710 | FA52701233 |
| 846 | FA52513301 | 840 | FA52515212 | 841 | FA52515830 | 847 | FA52516601 | 710 | FA52701301 |
| 846 | FA52513301-300 | 840 | FA52515212-300 | 841 | FA52515830-300 | 847 | FA52516601-300 | 710 | FA52701306 |
| 846 | FA52513301-310 | 840 | FA52515212-310 | 841 | FA52515830-310 | 847 | FA52516601-310 | 710 | FA52701312 |
| 846 | FA52513306 | 840 | FA52515218 | 841 | FA52515833 | 847 | FA52516606 | 710 | FA52701318 |
| 846 | FA52513306-300 | 840 | FA52515218-300 | 841 | FA52515833-300 | 847 | FA52516606-300 | 710 | FA52701330 |
| 846 | FA52513306-310 | 840 | FA52515218-310 | 841 | FA52515833-310 | 847 | FA52516606-310 | 710 | FA52701333 |
| 846 | FA52513312 | 840 | FA52515230 | 846 | FA52516001 | 847 | FA52516612 | 710 | FA52701501 |
| 846 | FA52513312-300 | 840 | FA52515230-300 | 846 | FA52516001-300 | 847 | FA52516612-300 | 710 | FA52701506 |
| 846 | FA52513312-310 | 840 | FA52515230-310 | 846 | FA52516001-310 | 847 | FA52516612-310 | 710 | FA52701512 |

| Page | Reference | Page | Reference | Page | Reference | Page | Reference | Page | Reference |
|---|---|---|---|---|---|---|---|---|---|
| 710 | FA52701518 | 739 | FA53101130-300.A | 741 | FA53102401-310.A | 738 | FA53104106.A | 741 | FA53122101-310.A |
| 710 | FA52701530 | 739 | FA53101130-310 | 741 | FA53102401.A | 738 | FA53104112.A | 741 | FA53122101.A |
| 710 | FA52701533 | 739 | FA53101133 | 741 | FA53102406-300.B | 738 | FA53104118.A | 741 | FA53122106-300.B |
| 501 | FA53000256.A | 739 | FA53101133-300.A | 741 | FA53102406-310.A | 738 | FA53104130.A | 741 | FA53122106-310.A |
| 501 | FA53000356.A | 739 | FA53101133-310 | 741 | FA53102406.A | 738 | FA53104133.A | 741 | FA53122106.A |
| 502 | FA53000556 | 739 | FA53101201-300.B | 741 | FA53102412-300.B | 738 | FA53104201.A | 741 | FA53122112-300.B |
| 502 | FA53000656 | 739 | FA53101201-310.A | 741 | FA53102412-310.A | 738 | FA53104206.A | 741 | FA53122112-310.A |
| 501 | FA53000756.A | 739 | FA53101201.A | 741 | FA53102412.A | 738 | FA53104212.A | 741 | FA53122112.A |
| 501 | FA53000856.A | 739 | FA53101206-300.B | 741 | FA53102418-300.B | 738 | FA53104218.A | 741 | FA53122118-300.B |
| 502 | FA53000956 | 739 | FA53101206-310.A | 741 | FA53102418-310.A | 738 | FA53104230.A | 741 | FA53122118-310.A |
| 502 | FA53001056 | 739 | FA53101206.A | 741 | FA53102418.A | 738 | FA53104233.A | 741 | FA53122118.A |
| 739 | FA53100801-300.B | 739 | FA53101212-300.B | 741 | FA53102430-300.B | 738 | FA53104301.A | 741 | FA53122130-300.B |
| 739 | FA53100801-310.A | 739 | FA53101212-310.A | 741 | FA53102430-310.A | 738 | FA53104306.A | 741 | FA53122130-310.A |
| 739 | FA53100801.A | 739 | FA53101212.A | 741 | FA53102430.A | 738 | FA53104312.A | 741 | FA53122130.A |
| 739 | FA53100806-300.B | 739 | FA53101218-300.B | 741 | FA53102433-300.B | 738 | FA53104318.A | 741 | FA53122133-300.B |
| 739 | FA53100806-310.A | 739 | FA53101218-310.A | 741 | FA53102433-310.A | 738 | FA53104330.A | 741 | FA53122133-310.A |
| 739 | FA53100806.A | 739 | FA53101218.A | 741 | FA53102433.A | 738 | FA53104333.A | 741 | FA53122133.A |
| 739 | FA53100812-300.B | 739 | FA53101230-300.B | 741 | FA53102501-300.B | 738 | FA53104401.A | 741 | FA53122401-300.B |
| 739 | FA53100812-310.A | 739 | FA53101230-310.A | 741 | FA53102501-310.A | 738 | FA53104406.A | 741 | FA53122401-310.A |
| 739 | FA53100812.A | 739 | FA53101230.A | 741 | FA53102501.A | 738 | FA53104412.A | 741 | FA53122401.A |
| 739 | FA53100818-300.B | 739 | FA53101233-300.B | 741 | FA53102506-300.B | 738 | FA53104418.A | 741 | FA53122406-300.B |
| 739 | FA53100818-310.A | 739 | FA53101233-310.A | 741 | FA53102506-310.A | 738 | FA53104430.A | 741 | FA53122406-310.A |
| 739 | FA53100818.A | 739 | FA53101233.A | 741 | FA53102506.A | 738 | FA53104433.A | 741 | FA53122406.A |
| 739 | FA53100830-300.B | 741 | FA53102001-300.B | 741 | FA53102512-300.B | 739 | FA53120901-300.B | 741 | FA53122412-300.B |
| 739 | FA53100830-310.A | 741 | FA53102001-310.A | 741 | FA53102512-310.A | 739 | FA53120901-310.A | 741 | FA53122412-310.A |
| 739 | FA53100830.A | 741 | FA53102001.A | 741 | FA53102512.A | 739 | FA53120901.A | 741 | FA53122412.A |
| 739 | FA53100833-300.B | 741 | FA53102006-300.B | 741 | FA53102518-300.B | 739 | FA53120906-300.B | 741 | FA53122418-300.B |
| 739 | FA53100833-310.A | 741 | FA53102006-310.A | 741 | FA53102518-310.A | 739 | FA53120906-310.A | 741 | FA53122418-310.A |
| 739 | FA53100833.A | 741 | FA53102006.A | 741 | FA53102518.A | 739 | FA53120906.A | 741 | FA53122418.A |
| 739 | FA53100901-300.B | 741 | FA53102012-300.B | 741 | FA53102530-300.B | 739 | FA53120912-300.B | 741 | FA53122430-300.B |
| 739 | FA53100901-310.A | 741 | FA53102012-310.A | 741 | FA53102530-310.A | 739 | FA53120912-310.A | 741 | FA53122430-310.A |
| 739 | FA53100901.A | 741 | FA53102012.A | 741 | FA53102530.A | 739 | FA53120912.A | 741 | FA53122430.A |
| 739 | FA53100906-300.B | 741 | FA53102018-300.B | 741 | FA53102533-300.B | 739 | FA53120918-300.B | 741 | FA53122433-300.B |
| 739 | FA53100906-310.A | 741 | FA53102018-310.A | 741 | FA53102533-310.A | 739 | FA53120918-310.A | 741 | FA53122433-310.A |
| 739 | FA53100906.A | 741 | FA53102018.A | 741 | FA53102533.A | 739 | FA53120918.A | 741 | FA53122433.A |
| 739 | FA53100912-300.B | 741 | FA53102030-300.B | 738 | FA53102901 | 739 | FA53120930-300.B | 738 | FA53124201.A |
| 739 | FA53100912-310.A | 741 | FA53102030-310.A | 738 | FA53102906 | 739 | FA53120930-310.A | 738 | FA53124206.A |
| 739 | FA53100912.A | 741 | FA53102030.A | 738 | FA53102912 | 739 | FA53120930.A | 738 | FA53124212.A |
| 739 | FA53100918-300.B | 741 | FA53102033-300.B | 738 | FA53102918 | 739 | FA53120933-300.B | 738 | FA53124218.A |
| 739 | FA53100918-310.A | 741 | FA53102033-310.A | 738 | FA53102930 | 739 | FA53120933-310.A | 738 | FA53124230.A |
| 739 | FA53100918.A | 741 | FA53102033.A | 738 | FA53102933 | 739 | FA53120933.A | 738 | FA53124233.A |
| 739 | FA53100930-300.B | 741 | FA53102101-300.B | 738 | FA53103001 | 739 | FA53121201-300.B | 738 | FA53124401.A |
| 739 | FA53100930-310.A | 741 | FA53102101-310.A | 738 | FA53103006 | 739 | FA53121201-310.A | 738 | FA53124406.A |
| 739 | FA53100930.A | 741 | FA53102101.A | 738 | FA53103012 | 739 | FA53121201.A | 738 | FA53124412.A |
| 739 | FA53100933-300.B | 741 | FA53102106-300.B | 738 | FA53103018 | 739 | FA53121206-300.B | 738 | FA53124418.A |
| 739 | FA53100933-310.A | 741 | FA53102106-310.A | 738 | FA53103030 | 739 | FA53121206-310.A | 738 | FA53124430.A |
| 739 | FA53100933.A | 741 | FA53102106.A | 738 | FA53103033 | 739 | FA53121206.A | 738 | FA53124433.A |
| 739 | FA53101101 | 741 | FA53102112-300.B | 740 | FA53103101 | 739 | FA53121212-300.B | 376 | FA53200201.A |
| 739 | FA53101101-300.A | 741 | FA53102112-310.A | 740 | FA53103106 | 739 | FA53121212-310.A | 376 | FA53200201-300.B |
| 739 | FA53101101-310 | 741 | FA53102112.A | 740 | FA53103112 | 739 | FA53121212.A | 376 | FA53200201-310.A |
| 739 | FA53101106 | 741 | FA53102118-300.B | 740 | FA53103118 | 739 | FA53121218-300.B | 376 | FA53200206.A |
| 739 | FA53101106-300.A | 741 | FA53102118-310.A | 740 | FA53103130 | 739 | FA53121218-310.A | 376 | FA53200206-300.B |
| 739 | FA53101106-310 | 741 | FA53102118.A | 740 | FA53103133 | 739 | FA53121218.A | 376 | FA53200206-310.A |
| 739 | FA53101112 | 741 | FA53102130-300.B | 740 | FA53103201 | 739 | FA53121230-300.B | 376 | FA53200212.A |
| 739 | FA53101112-300.A | 741 | FA53102130-310.A | 740 | FA53103206 | 739 | FA53121230-310.A | 376 | FA53200212-300.B |
| 739 | FA53101112-310 | 741 | FA53102130.A | 740 | FA53103212 | 739 | FA53121230.A | 376 | FA53200212-310.A |
| 739 | FA53101118 | 741 | FA53102133-300.B | 740 | FA53103218 | 739 | FA53121233-300.B | 376 | FA53200218.A |
| 739 | FA53101118-300.A | 741 | FA53102133-310.A | 740 | FA53103230 | 739 | FA53121233-310.A | 376 | FA53200218-300.B |
| 739 | FA53101118-310 | 741 | FA53102133.A | 740 | FA53103233 | 739 | FA53121233.A | 376 | FA53200218-310.A |
| 739 | FA53101130 | 741 | FA53102401-300.B | 738 | FA53104101.A | 741 | FA53122101-300.B | 376 | FA53200230.A |

| Page | Reference | Page | Reference | Page | Reference | Page | Reference | Page | Reference |
|---|---|---|---|---|---|---|---|---|---|
| 376 | FA53200230-300.B | 377 | FA53200801-300.B | 376 | FA53201712-300.B | 722 | FA53301201-300 | 722 | FA53305101-300 |
| 376 | FA53200230-310.A | 377 | FA53200801-310.A | 376 | FA53201712-310.A | 722 | FA53301201-310 | 722 | FA53305101-310 |
| 376 | FA53200233.A | 377 | FA53200806.A | 376 | FA53201718.A | 722 | FA53301206 | 722 | FA53305106 |
| 376 | FA53200233-300.B | 377 | FA53200806-300.B | 376 | FA53201718-300.B | 722 | FA53301206-300 | 722 | FA53305106-300 |
| 376 | FA53200233-310.A | 377 | FA53200806-310.A | 376 | FA53201718-310.A | 722 | FA53301206-310 | 722 | FA53305106-310 |
| 376 | FA53200301.A | 377 | FA53200812.A | 376 | FA53201730.A | 722 | FA53301212 | 722 | FA53305112 |
| 376 | FA53200301-300.B | 377 | FA53200812-300.B | 376 | FA53201730-300.B | 722 | FA53301212-300 | 722 | FA53305112-300 |
| 376 | FA53200301-310.A | 377 | FA53200812-310.A | 376 | FA53201730-310.A | 722 | FA53301212-310 | 722 | FA53305112-310 |
| 376 | FA53200306.A | 377 | FA53200818.A | 376 | FA53201733.A | 722 | FA53301218 | 722 | FA53305118 |
| 376 | FA53200306-300.B | 377 | FA53200818-300.B | 376 | FA53201733-300.B | 722 | FA53301218-300 | 722 | FA53305118-300 |
| 376 | FA53200306-310.A | 377 | FA53200818-310.A | 376 | FA53201733-310.A | 722 | FA53301218-310 | 722 | FA53305118-310 |
| 376 | FA53200312.A | 377 | FA53200830.A | 377 | FA53202001.A | 722 | FA53301230 | 722 | FA53305130 |
| 376 | FA53200312-300.B | 377 | FA53200830-300.B | 377 | FA53202001-300.B | 722 | FA53301230-300 | 722 | FA53305130-300 |
| 376 | FA53200312-310.A | 377 | FA53200830-310.A | 377 | FA53202001-310.A | 722 | FA53301230-310 | 722 | FA53305130-310 |
| 376 | FA53200318.A | 377 | FA53200833.A | 377 | FA53202006.A | 722 | FA53301233 | 722 | FA53305133 |
| 376 | FA53200318-300.B | 377 | FA53200833-300.B | 377 | FA53202006-300.B | 722 | FA53301233-300 | 722 | FA53305133-300 |
| 376 | FA53200318-310.A | 377 | FA53200833-310.A | 377 | FA53202006-310.A | 722 | FA53301233-310 | 722 | FA53305133-310 |
| 376 | FA53200330.A | 377 | FA53200901.A | 377 | FA53202012.A | 720 | FA53302101 | 720 | FA53305201 |
| 376 | FA53200330-300.B | 377 | FA53200901-300.B | 377 | FA53202012-300.B | 720 | FA53302101-300 | 720 | FA53305201-300 |
| 376 | FA53200330-310.A | 377 | FA53200901-310.A | 377 | FA53202012-310.A | 720 | FA53302101-310 | 720 | FA53305201-310 |
| 376 | FA53200333.A | 377 | FA53200906.A | 377 | FA53202018.A | 720 | FA53302106 | 720 | FA53305206 |
| 376 | FA53200333-300.B | 377 | FA53200906-300.B | 377 | FA53202018-300.B | 720 | FA53302106-300 | 720 | FA53305206-300 |
| 376 | FA53200333-310.A | 377 | FA53200906-310.A | 377 | FA53202018-310.A | 720 | FA53302106-310 | 720 | FA53305206-310 |
| 376 | FA53200501.A | 377 | FA53200912.A | 377 | FA53202030.A | 720 | FA53302112 | 720 | FA53305212 |
| 376 | FA53200501-300.B | 377 | FA53200912-300.B | 377 | FA53202030-300.B | 720 | FA53302112-300 | 720 | FA53305212-300 |
| 376 | FA53200501-310.A | 377 | FA53200912-310.A | 377 | FA53202030-310.A | 720 | FA53302112-310 | 720 | FA53305212-310 |
| 376 | FA53200506.A | 377 | FA53200918.A | 377 | FA53202033.A | 720 | FA53302118 | 720 | FA53305218 |
| 376 | FA53200506-300.B | 377 | FA53200918-300.B | 377 | FA53202033-300.B | 720 | FA53302118-300 | 720 | FA53305218-300 |
| 376 | FA53200506-310.A | 377 | FA53200918-310.A | 377 | FA53202033-310.A | 720 | FA53302118-310 | 720 | FA53305218-310 |
| 376 | FA5320051.A | 377 | FA53200930.A | 724 | FA53300101 | 720 | FA53302130 | 720 | FA53305230 |
| 376 | FA53200512-300.B | 377 | FA53200930-300.B | 724 | FA53300106 | 720 | FA53302130-300 | 720 | FA53305230-300 |
| 376 | FA53200512-310.A | 377 | FA53200930-310.A | 724 | FA53300112 | 720 | FA53302130-310 | 720 | FA53305230-310 |
| 376 | FA53200518.A | 377 | FA53200933.A | 724 | FA53300118 | 720 | FA53302133 | 720 | FA53305233 |
| 376 | FA53200518-300.B | 377 | FA53200933-300.B | 724 | FA53300130 | 720 | FA53302133-300 | 720 | FA53305233-300 |
| 376 | FA53200518-310.A | 377 | FA53200933-310.A | 724 | FA53300133 | 720 | FA53302133-310 | 720 | FA53305233-310 |
| 376 | FA53200530.A | 376 | FA53201401.A | 724 | FA53300201 | 720 | FA53302201 | 724 | FA533221 |
| 376 | FA53200530-300.B | 376 | FA53201401-300.B | 724 | FA53300206 | 720 | FA53302201-300 | 724 | FA533222 |
| 376 | FA53200530-310.A | 376 | FA53201401-310.A | 724 | FA53300212 | 720 | FA53302201-310 | 725 | FA533223 |
| 376 | FA53200533.A | 376 | FA53201406.A | 724 | FA53300218 | 720 | FA53302206 | 725 | FA533224 |
| 376 | FA53200533-300.B | 376 | FA53201406-300.B | 724 | FA53300230 | 720 | FA53302206-300 | 724 | FA533231 |
| 376 | FA53200533-310.A | 376 | FA53201406-310.A | 724 | FA53300233 | 720 | FA53302206-310 | 724 | FA533232 |
| 376 | FA53200601.A | 376 | FA53201412.A | 722 | FA53301101 | 720 | FA53302212 | 725 | FA533233 |
| 376 | FA53200601-300.B | 376 | FA53201412-300.B | 722 | FA53301101-300 | 720 | FA53302212-300 | 725 | FA533234 |
| 376 | FA53200601-310.A | 376 | FA53201412-310.A | 722 | FA53301101-310 | 720 | FA53302212-310 | 724 | FA533241 |
| 376 | FA53200606.A | 376 | FA53201418.A | 722 | FA53301106 | 720 | FA53302218 | 724 | FA533242 |
| 376 | FA53200606-300.B | 376 | FA53201418-300.B | 722 | FA53301106-300 | 720 | FA53302218-300 | 725 | FA533243 |
| 376 | FA53200606-310.A | 376 | FA53201418-310.A | 722 | FA53301106-310 | 720 | FA53302218-310 | 725 | FA533244 |
| 376 | FA53200612.A | 376 | FA53201430.A | 722 | FA53301112 | 720 | FA53302230 | 722 | FA533321 |
| 376 | FA53200612-300.B | 376 | FA53201430-300.B | 722 | FA53301112-300 | 720 | FA53302230-300 | 722 | FA533321-300 |
| 376 | FA53200612-310.A | 376 | FA53201430-310.A | 722 | FA53301112-310 | 720 | FA53302230-310 | 722 | FA533321-310 |
| 376 | FA53200618.A | 376 | FA53201433.A | 722 | FA53301118 | 720 | FA53302233 | 723 | FA533322 |
| 376 | FA53200618-300.B | 376 | FA53201433-300.B | 722 | FA53301118-300 | 720 | FA53302233-300 | 723 | FA533322-300 |
| 376 | FA53200618-310.A | 376 | FA53201433-310.A | 722 | FA53301118-310 | 720 | FA53302233-310 | 723 | FA533322-310 |
| 376 | FA53200630.A | 376 | FA53201701.A | 722 | FA53301130 | 724 | FA53305001 | 723 | FA533323 |
| 376 | FA53200630-300.B | 376 | FA53201701-300.B | 722 | FA53301130-300 | 724 | FA53305006 | 723 | FA533323-300 |
| 376 | FA53200630-310.A | 376 | FA53201701-310.A | 722 | FA53301130-310 | 724 | FA53305012 | 723 | FA533323-310 |
| 376 | FA53200633.A | 376 | FA53201706.A | 722 | FA53301133 | 724 | FA53305018 | 723 | FA533324 |
| 376 | FA53200633-300.B | 376 | FA53201706-300.B | 722 | FA53301133-300 | 724 | FA53305030 | 723 | FA533324-300 |
| 376 | FA53200633-310.A | 376 | FA53201706-310.A | 722 | FA53301133-310 | 724 | FA53305033 | 723 | FA533324-310 |
| 377 | FA53200801.A | 376 | FA53201712.A | 722 | FA53301201 | 722 | FA53305101 | 722 | FA533331 |

| Page | Reference | Page | Reference | Page | Reference | Page | Reference | Page | Reference |
|---|---|---|---|---|---|---|---|---|---|
| 722 | FA533331-300 | 498 | FA53400356 | 494 | FA53404256-300 | 519 | FA53500230 | 522 | FA53501730 |
| 722 | FA533331-310 | 498 | FA53400556.A | 494 | FA53404256-310 | 519 | FA53500233 | 522 | FA53501733 |
| 723 | FA533332 | 498 | FA53400656.A | 494 | FA53404356 | 519 | FA53500301 | 522 | FA53501801 |
| 723 | FA533332-300 | 498 | FA53400856.A | 494 | FA53404356-300 | 519 | FA53500306 | 522 | FA53501806 |
| 723 | FA533332-310 | 498 | FA53400956.A | 494 | FA53404356-310 | 519 | FA53500312 | 522 | FA53501812 |
| 723 | FA533333 | 499 | FA53401156.A | 495 | FA53404556 | 519 | FA53500318 | 522 | FA53501818 |
| 723 | FA533333-300 | 499 | FA53401256.A | 495 | FA53404556-300 | 519 | FA53500330 | 522 | FA53501830 |
| 723 | FA533333-310 | 499 | FA53401456 | 495 | FA53404556-310 | 519 | FA53500333 | 522 | FA53501833 |
| 723 | FA533334 | 499 | FA53401556 | 495 | FA53404656 | 521 | FA53500501 | 519 | FA53502001 |
| 723 | FA533334-300 | 499 | FA53401756 | 495 | FA53404656-300 | 521 | FA53500506 | 519 | FA53502006 |
| 723 | FA533334-310 | 499 | FA53401856 | 495 | FA53404656-310 | 521 | FA53500512 | 519 | FA53502012 |
| 722 | FA533341 | 496 | FA53402056 | 495 | FA53404756-300.A | 521 | FA53500518 | 519 | FA53502018 |
| 722 | FA533341-300 | 496 | FA53402056-300 | 495 | FA53404756-310.A | 521 | FA53500530 | 519 | FA53502030 |
| 722 | FA533341-310 | 496 | FA53402056-310 | 495 | FA53404756.A | 521 | FA53500533 | 519 | FA53502033 |
| 723 | FA533342 | 496 | FA53402156 | 495 | FA53404856-300.A | 521 | FA53500601 | 519 | FA53502101 |
| 723 | FA533342-300 | 496 | FA53402156-300 | 495 | FA53404856-310.A | 521 | FA53500606 | 519 | FA53502106 |
| 723 | FA533342-310 | 496 | FA53402156-310 | 495 | FA53404856.A | 521 | FA53500612 | 519 | FA53502112 |
| 723 | FA533343 | 496 | FA53402356 | 498 | FA53405156 | 521 | FA53500618 | 519 | FA53502118 |
| 723 | FA533343-300 | 496 | FA53402356-300 | 498 | FA53405256.A | 521 | FA53500630 | 519 | FA53502130 |
| 723 | FA533343-310 | 496 | FA53402356-310 | 498 | FA53405356.A | 521 | FA53500633 | 519 | FA53502133 |
| 723 | FA533344 | 496 | FA53402456 | 499 | FA53405456.A | 523 | FA53500801 | 521 | FA53502301 |
| 723 | FA533344-300 | 496 | FA53402456-300 | 499 | FA53405556 | 523 | FA53500806 | 521 | FA53502306 |
| 723 | FA533344-310 | 496 | FA53402456-310 | 499 | FA53405656 | 523 | FA53500812 | 521 | FA53502312 |
| 720 | FA533421 | 496 | FA53402656 | 496 | FA53405756 | 523 | FA53500818 | 521 | FA53502318 |
| 720 | FA533421-300 | 496 | FA53402656-300 | 496 | FA53405756-300 | 523 | FA53500830 | 521 | FA53502330 |
| 720 | FA533421-310 | 496 | FA53402656-310 | 496 | FA53405756-310 | 523 | FA53500833 | 521 | FA53502333 |
| 721 | FA533422 | 496 | FA53402756 | 496 | FA53405856 | 523 | FA53500901 | 521 | FA53502401 |
| 721 | FA533422-300 | 496 | FA53402756-300 | 496 | FA53405856-300 | 523 | FA53500906 | 521 | FA53502406 |
| 721 | FA533422-310 | 496 | FA53402756-310 | 496 | FA53405856-310 | 523 | FA53500912 | 521 | FA53502412 |
| 721 | FA533423 | 497 | FA53402956 | 496 | FA53405956 | 523 | FA53500918 | 521 | FA53502418 |
| 721 | FA533423-300 | 497 | FA53402956-300 | 496 | FA53405956-300 | 523 | FA53500930 | 521 | FA53502430 |
| 721 | FA533423-310 | 497 | FA53402956-310 | 496 | FA53405956-310 | 523 | FA53500933 | 521 | FA53502433 |
| 721 | FA533424 | 497 | FA53403056 | 497 | FA53406056 | 518 | FA53501101 | 523 | FA53502601 |
| 721 | FA533424-300 | 497 | FA53403056-300 | 497 | FA53406056-300 | 518 | FA53501106 | 523 | FA53502606 |
| 721 | FA533424-310 | 497 | FA53403056-310 | 497 | FA53406056-310 | 518 | FA53501112 | 523 | FA53502612 |
| 720 | FA533431 | 497 | FA53403156-300.B | 497 | FA53406156-300.B | 518 | FA53501118 | 523 | FA53502618 |
| 720 | FA533431-300 | 497 | FA53403156-310.A | 497 | FA53406156-310.A | 518 | FA53501130 | 523 | FA53502630 |
| 720 | FA533431-310 | 497 | FA53403156.A | 497 | FA53406156.A | 518 | FA53501133 | 523 | FA53502633 |
| 721 | FA533432 | 497 | FA53403256-300.B | 497 | FA53406256-300.B | 518 | FA53501201 | 523 | FA53502701 |
| 721 | FA533432-300 | 497 | FA53403256-310.A | 497 | FA53406256-310.A | 518 | FA53501206 | 523 | FA53502706 |
| 721 | FA533432-310 | 497 | FA53403256.A | 497 | FA53406256.A | 518 | FA53501212 | 523 | FA53502712 |
| 721 | FA533433 | 497 | FA53403356-300.B | 494 | FA53406356 | 518 | FA53501218 | 523 | FA53502718 |
| 721 | FA533433-300 | 497 | FA53403356-310.A | 494 | FA53406356-300 | 518 | FA53501230 | 523 | FA53502730 |
| 721 | FA533433-310 | 497 | FA53403356.A | 494 | FA53406356-310 | 518 | FA53501233 | 523 | FA53502733 |
| 721 | FA533434 | 497 | FA53403456-300.B | 494 | FA53406456 | 520 | FA53501401 | 518 | FA53502901 |
| 721 | FA533434-300 | 497 | FA53403456-310.A | 494 | FA53406456-300 | 520 | FA53501406 | 518 | FA53502906 |
| 721 | FA533434-310 | 497 | FA53403456.A | 494 | FA53406456-310 | 520 | FA53501412 | 518 | FA53502912 |
| 720 | FA533441 | 494 | FA53403656 | 494 | FA53406556 | 520 | FA53501418 | 518 | FA53502918 |
| 720 | FA533441-300 | 494 | FA53403656-300 | 494 | FA53406556-300 | 520 | FA53501430 | 518 | FA53502930 |
| 720 | FA533441-310 | 494 | FA53403656-310 | 494 | FA53406556-310 | 520 | FA53501433 | 518 | FA53502933 |
| 721 | FA533442 | 494 | FA53403756 | 495 | FA53406656 | 520 | FA53501501 | 518 | FA53503001 |
| 721 | FA533442-300 | 494 | FA53403756-300 | 495 | FA53406656-300 | 520 | FA53501506 | 518 | FA53503006 |
| 721 | FA533442-310 | 494 | FA53403756-310 | 495 | FA53406656-310 | 520 | FA53501512 | 518 | FA53503012 |
| 721 | FA533443 | 494 | FA53403956 | 495 | FA53406756-300.A | 520 | FA53501518 | 518 | FA53503018 |
| 721 | FA533443-300 | 494 | FA53403956-300 | 495 | FA53406756-310.A | 520 | FA53501530 | 518 | FA53503030 |
| 721 | FA533443-310 | 494 | FA53403956-310 | 495 | FA53406756.A | 520 | FA53501533 | 518 | FA53503033 |
| 721 | FA533444 | 494 | FA53404056 | 519 | FA53500201 | 522 | FA53501701 | 520 | FA53503201 |
| 721 | FA533444-300 | 494 | FA53404056-300 | 519 | FA53500206 | 522 | FA53501706 | 520 | FA53503206 |
| 721 | FA533444-310 | 494 | FA53404056-310 | 519 | FA53500212 | 522 | FA53501712 | 520 | FA53503212 |
| 498 | FA53400256 | 494 | FA53404256 | 519 | FA53500218 | 522 | FA53501718 | 520 | FA53503218 |

| Page | Reference | Page | Reference | Page | Reference | Page | Reference | Page | Reference |
|---|---|---|---|---|---|---|---|---|---|
| 520 | FA53503230 | 518 | FA53504730 | 749 | FA53601956-310 | 750 | FA53603901.A | 749 | FA53611656-310.A |
| 520 | FA53503233 | 518 | FA53504733 | 749 | FA53602056 | 750 | FA53604001-300.B | 749 | FA53611656.A |
| 520 | FA53503301 | 518 | FA53504801 | 749 | FA53602056-300 | 750 | FA53604001-310.A | 749 | FA53611856 |
| 520 | FA53503306 | 518 | FA53504806 | 749 | FA53602056-310 | 750 | FA53604001.A | 749 | FA53611856-300 |
| 520 | FA53503312 | 518 | FA53504812 | 749 | FA53602101-300.A | 750 | FA53604101-300.B | 749 | FA53611856-310 |
| 520 | FA53503318 | 518 | FA53504818 | 749 | FA53602101-310.A | 750 | FA53604101-310.A | 749 | FA53612056 |
| 520 | FA53503330 | 518 | FA53504830 | 749 | FA53602101.A | 750 | FA53604101.A | 749 | FA53612056-300 |
| 520 | FA53503333 | 518 | FA53504833 | 749 | FA53602201-300.A | 750 | FA53604201-300.B | 749 | FA53612056-310 |
| 522 | FA53503501 | 520 | FA53504901 | 749 | FA53602201-310.A | 750 | FA53604201-310.A | 749 | FA53612201-300.A |
| 522 | FA53503506 | 520 | FA53504906 | 749 | FA53602201.A | 750 | FA53604201.A | 749 | FA53612201-310.A |
| 522 | FA53503512 | 520 | FA53504912 | 749 | FA53602301-300.A | 750 | FA53604301-300.B | 749 | FA53612201.A |
| 522 | FA53503518 | 520 | FA53504918 | 749 | FA53602301-310.A | 750 | FA53604301-310.A | 749 | FA53612401-300.A |
| 522 | FA53503530 | 520 | FA53504930 | 749 | FA53602301.A | 750 | FA53604301.A | 749 | FA53612401-310.A |
| 522 | FA53503533 | 520 | FA53504933 | 749 | FA53602401-300.A | 750 | FA53604401-300.B | 749 | FA53612401.A |
| 522 | FA53503601 | 520 | FA53505001 | 749 | FA53602401-310.A | 750 | FA53604401-310.A | 749 | FA53612601 |
| 522 | FA53503606 | 520 | FA53505006 | 749 | FA53602401.A | 750 | FA53604401.A | 749 | FA53612601-300 |
| 522 | FA53503612 | 520 | FA53505012 | 749 | FA53602501 | 751 | FA53604756-300.A | 749 | FA53612601-310 |
| 522 | FA53503618 | 520 | FA53505018 | 749 | FA53602501-300 | 751 | FA53604756-310.A | 749 | FA53612801 |
| 522 | FA53503630 | 520 | FA53505030 | 749 | FA53602501-310 | 751 | FA53604756.A | 749 | FA53612801-300 |
| 522 | FA53503633 | 520 | FA53505033 | 749 | FA53602601 | 751 | FA53604856-300.A | 749 | FA53612801-310 |
| 519 | FA53504101 | 522 | FA53505101 | 749 | FA53602601-300 | 751 | FA53604856-310.A | 750 | FA53613056-300.B |
| 519 | FA53504106 | 522 | FA53505106 | 749 | FA53602601-310 | 751 | FA53604856.A | 750 | FA53613056-310.A |
| 519 | FA53504112 | 522 | FA53505112 | 749 | FA53602701 | 751 | FA53604956-300.A | 750 | FA53613056.A |
| 519 | FA53504118 | 522 | FA53505118 | 749 | FA53602701-300 | 751 | FA53604956-310.A | 750 | FA53613256-300.B |
| 519 | FA53504130 | 522 | FA53505130 | 749 | FA53602701-310 | 751 | FA53604956.A | 750 | FA53613256-310.A |
| 519 | FA53504133 | 522 | FA53505133 | 749 | FA53602801 | 751 | FA53605056-300.A | 750 | FA53613256.A |
| 519 | FA53504201 | 522 | FA53505201 | 749 | FA53602801-300 | 751 | FA53605056-310.A | 750 | FA53613456 |
| 519 | FA53504206 | 522 | FA53505206 | 749 | FA53602801-310 | 751 | FA53605056.A | 750 | FA53613456-300.B |
| 519 | FA53504212 | 522 | FA53505212 | 750 | FA53602956-300.B | 751 | FA53605156-300.A | 750 | FA53613456-310.A |
| 519 | FA53504218 | 522 | FA53505218 | 750 | FA53602956-310.A | 751 | FA53605156-310.A | 750 | FA53613656-300.B |
| 519 | FA53504230 | 522 | FA53505230 | 750 | FA53602956.A | 751 | FA53605156.A | 750 | FA53613656-310.A |
| 519 | FA53504233 | 522 | FA53505233 | 750 | FA53603056-300.A | 751 | FA53605256-300.A | 750 | FA53613656.A |
| 521 | FA53504301 | 748 | FA53600256 | 750 | FA53603056-310.A | 751 | FA53605256-310.A | 750 | FA53613801-300.B |
| 521 | FA53504306 | 748 | FA53600356 | 750 | FA53603056.A | 751 | FA53605256.A | 750 | FA53613801-310.A |
| 521 | FA53504312 | 748 | FA53600556 | 750 | FA53603156-300.B | 751 | FA53605501-300.A | 750 | FA53613801.A |
| 521 | FA53504318 | 748 | FA53600656 | 750 | FA53603156-310.A | 751 | FA53605501-310.A | 750 | FA53614001-300.B |
| 521 | FA53504330 | 748 | FA53600801 | 750 | FA53603156.A | 751 | FA53605501.A | 750 | FA53614001-310.A |
| 521 | FA53504333 | 748 | FA53600901 | 750 | FA53603256-300.A | 751 | FA53605601-300.A | 750 | FA53614001.A |
| 521 | FA53504401 | 748 | FA53601101 | 750 | FA53603256-310.A | 751 | FA53605601-310.A | 750 | FA53614201 |
| 521 | FA53504406 | 748 | FA53601201 | 750 | FA53603256.A | 751 | FA53605601.A | 750 | FA53614201-300.A |
| 521 | FA53504412 | 749 | FA53601356-300.A | 750 | FA53603356-300.A | 751 | FA53605701-300.A | 750 | FA53614201-310 |
| 521 | FA53504418 | 749 | FA53601356-310.A | 750 | FA53603356-310.A | 751 | FA53605701-310.A | 750 | FA53614401-300.A |
| 521 | FA53504430 | 749 | FA53601356.A | 750 | FA53603356.A | 751 | FA53605701.A | 750 | FA53614401-310.B |
| 521 | FA53504433 | 749 | FA53601456-300.A | 750 | FA53603456-300.B | 751 | FA53605801-300.A | 750 | FA53614401.A |
| 523 | FA53504501 | 749 | FA53601456-310.A | 750 | FA53603456-310.A | 751 | FA53605801-310.A | 751 | FA53614856-300.A |
| 523 | FA53504506 | 749 | FA53601456.A | 750 | FA53603456.A | 751 | FA53605801.A | 751 | FA53614856-310.A |
| 523 | FA53504512 | 749 | FA53601556-300.A | 750 | FA53603556-300.B | 751 | FA53605901-300.A | 751 | FA53614856.A |
| 523 | FA53504518 | 749 | FA53601556-310.A | 750 | FA53603556-310.A | 751 | FA53605901-310.A | 751 | FA53615056-300.A |
| 523 | FA53504530 | 749 | FA53601556.A | 750 | FA53603556.A | 751 | FA53605901.A | 751 | FA53615056-310.A |
| 523 | FA53504533 | 749 | FA53601656-300.A | 750 | FA53603656-300.B | 751 | FA53606001-300.A | 751 | FA53615056.A |
| 523 | FA53504601 | 749 | FA53601656-310.A | 750 | FA53603656-310.A | 751 | FA53606001-310.A | 751 | FA53615256-300.A |
| 523 | FA53504606 | 749 | FA53601656.A | 750 | FA53603656.A | 751 | FA53606001.A | 751 | FA53615256-310.A |
| 523 | FA53504612 | 749 | FA53601756 | 750 | FA53603701-300.B | 748 | FA53610356 | 751 | FA53615256.A |
| 523 | FA53504618 | 749 | FA53601756-300 | 750 | FA53603701-310.A | 748 | FA53610656 | 751 | FA53615601-300.A |
| 523 | FA53504630 | 749 | FA53601756-310 | 750 | FA53603701.A | 748 | FA53610901 | 751 | FA53615601-310.A |
| 523 | FA53504633 | 749 | FA53601856 | 750 | FA53603801-300.B | 748 | FA53611201 | 751 | FA53615601.A |
| 518 | FA53504701 | 749 | FA53601856-300 | 750 | FA53603801-310.A | 749 | FA53611456-300.A | 751 | FA53615801-300.A |
| 518 | FA53504706 | 749 | FA53601856-310 | 750 | FA53603801.A | 749 | FA53611456-310.A | 751 | FA53615801-310.A |
| 518 | FA53504712 | 749 | FA53601956 | 750 | FA53603901-300.B | 749 | FA53611456.A | 751 | FA53615801.A |
| 518 | FA53504718 | 749 | FA53601956-300 | 750 | FA53603901-310.A | 749 | FA53611656-300.A | 751 | FA53616001-300.A |

| Page | Reference | Page | Reference | Page | Reference | Page | Reference | Page | Reference |
|---|---|---|---|---|---|---|---|---|---|
| 751 | FA53616001-310.A | 866 | FA53901533-300 | 868 | FA53903033-300 | 861 | FA53904533-300 | 863 | FA53906033-300 |
| 751 | FA53616001.A | 866 | FA53901533-310 | 868 | FA53903033-310 | 861 | FA53904533-310 | 863 | FA53906033-310 |
| 865 | FA53900206 | 866 | FA53901706 | 868 | FA53903206 | 862 | FA53904706 | 863 | FA53906206 |
| 865 | FA53900206-300 | 866 | FA53901706-300 | 868 | FA53903206-300 | 862 | FA53904706-300 | 863 | FA53906206-300 |
| 865 | FA53900206-310 | 866 | FA53901706-310 | 868 | FA53903206-310 | 862 | FA53904706-310 | 863 | FA53906206-310 |
| 865 | FA53900233 | 866 | FA53901733 | 868 | FA53903233 | 862 | FA53904733 | 863 | FA53906233 |
| 865 | FA53900233-300 | 866 | FA53901733-300 | 868 | FA53903233-300 | 862 | FA53904733-300 | 863 | FA53906233-300 |
| 865 | FA53900233-310 | 866 | FA53901733-310 | 868 | FA53903233-310 | 862 | FA53904733-310 | 863 | FA53906233-310 |
| 865 | FA53900306 | 866 | FA53901806 | 868 | FA53903306 | 862 | FA53904806 | 863 | FA53906306 |
| 865 | FA53900306-300 | 866 | FA53901806-300 | 868 | FA53903306-300 | 862 | FA53904806-300 | 863 | FA53906306-300 |
| 865 | FA53900306-310 | 866 | FA53901806-310 | 868 | FA53903306-310 | 862 | FA53904806-310 | 863 | FA53906306-310 |
| 865 | FA53900333 | 866 | FA53901833 | 868 | FA53903333 | 862 | FA53904833 | 863 | FA53906333 |
| 865 | FA53900333-300 | 866 | FA53901833-300 | 868 | FA53903333-300 | 862 | FA53904833-300 | 863 | FA53906333-300 |
| 865 | FA53900333-310 | 866 | FA53901833-310 | 868 | FA53903333-310 | 862 | FA53904833-310 | 863 | FA53906333-310 |
| 865 | FA53900506 | 867 | FA53902006 | 868 | FA53903506 | 862 | FA53905006 | 864 | FA53906506 |
| 865 | FA53900506-300 | 867 | FA53902006-300 | 868 | FA53903506-300 | 862 | FA53905006-300 | 864 | FA53906506-300 |
| 865 | FA53900506-310 | 867 | FA53902006-310 | 868 | FA53903506-310 | 862 | FA53905006-310 | 864 | FA53906506-310 |
| 865 | FA53900533 | 867 | FA53902033 | 868 | FA53903533 | 862 | FA53905033 | 864 | FA53906533 |
| 865 | FA53900533-300 | 867 | FA53902033-300 | 868 | FA53903533-300 | 862 | FA53905033-300 | 864 | FA53906533-300 |
| 865 | FA53900533-310 | 867 | FA53902033-310 | 868 | FA53903533-310 | 862 | FA53905033-310 | 864 | FA53906533-310 |
| 865 | FA53900606 | 867 | FA53902106 | 868 | FA53903606 | 862 | FA53905106 | 864 | FA53906606 |
| 865 | FA53900606-300 | 867 | FA53902106-300 | 868 | FA53903606-300 | 862 | FA53905106-300 | 864 | FA53906606-300 |
| 865 | FA53900606-310 | 867 | FA53902106-310 | 868 | FA53903606-310 | 862 | FA53905106-310 | 864 | FA53906606-310 |
| 865 | FA53900633 | 867 | FA53902133 | 868 | FA53903633 | 862 | FA53905133 | 864 | FA53906633 |
| 865 | FA53900633-300 | 867 | FA53902133-300 | 868 | FA53903633-300 | 862 | FA53905133-300 | 864 | FA53906633-300 |
| 865 | FA53900633-310 | 867 | FA53902133-310 | 868 | FA53903633-310 | 862 | FA53905133-310 | 864 | FA53906633-310 |
| 865 | FA53900806 | 867 | FA53902306 | 861 | FA53903806 | 862 | FA53905306 | 864 | FA53906806 |
| 865 | FA53900806-300 | 867 | FA53902306-300 | 861 | FA53903806-300 | 862 | FA53905306-300 | 864 | FA53906806-300 |
| 865 | FA53900806-310 | 867 | FA53902306-310 | 861 | FA53903806-310 | 862 | FA53905306-310 | 864 | FA53906806-310 |
| 865 | FA53900833 | 867 | FA53902333 | 861 | FA53903833 | 862 | FA53905333 | 864 | FA53906833 |
| 865 | FA53900833-300 | 867 | FA53902333-300 | 861 | FA53903833-300 | 862 | FA53905333-300 | 864 | FA53906833-300 |
| 865 | FA53900833-310 | 867 | FA53902333-310 | 861 | FA53903833-310 | 862 | FA53905333-310 | 864 | FA53906833-310 |
| 865 | FA53900906 | 867 | FA53902406 | 861 | FA53903906 | 862 | FA53905406 | 864 | FA53906906 |
| 865 | FA53900906-300 | 867 | FA53902406-300 | 861 | FA53903906-300 | 862 | FA53905406-300 | 864 | FA53906906-300 |
| 865 | FA53900906-310 | 867 | FA53902406-310 | 861 | FA53903906-310 | 862 | FA53905406-310 | 864 | FA53906906-310 |
| 865 | FA53900933 | 867 | FA53902433 | 861 | FA53903933 | 862 | FA53905433 | 864 | FA53906933 |
| 865 | FA53900933-300 | 867 | FA53902433-300 | 861 | FA53903933-300 | 862 | FA53905433-300 | 864 | FA53906933-300 |
| 865 | FA53900933-310 | 867 | FA53902433-310 | 861 | FA53903933-310 | 862 | FA53905433-310 | 864 | FA53906933-310 |
| 866 | FA53901106 | 867 | FA53902606 | 861 | FA53904106 | 863 | FA53905606 | 864 | FA53907106 |
| 866 | FA53901106-300 | 867 | FA53902606-300 | 861 | FA53904106-300 | 863 | FA53905606-300 | 864 | FA53907106-300 |
| 866 | FA53901106-310 | 867 | FA53902606-310 | 861 | FA53904106-310 | 863 | FA53905606-310 | 864 | FA53907106-310 |
| 866 | FA53901133 | 867 | FA53902633 | 861 | FA53904133 | 863 | FA53905633 | 864 | FA53907133 |
| 866 | FA53901133-300 | 867 | FA53902633-300 | 861 | FA53904133-300 | 863 | FA53905633-300 | 864 | FA53907133-300 |
| 866 | FA53901133-310 | 867 | FA53902633-310 | 861 | FA53904133-310 | 863 | FA53905633-310 | 864 | FA53907133-310 |
| 866 | FA53901206 | 867 | FA53902706 | 861 | FA53904206 | 863 | FA53905706 | 864 | FA53907206 |
| 866 | FA53901206-300 | 867 | FA53902706-300 | 861 | FA53904206-300 | 863 | FA53905706-300 | 864 | FA53907206-300 |
| 866 | FA53901206-310 | 867 | FA53902706-310 | 861 | FA53904206-310 | 863 | FA53905706-310 | 864 | FA53907206-310 |
| 866 | FA53901233 | 867 | FA53902733 | 861 | FA53904233 | 863 | FA53905733 | 864 | FA53907233 |
| 866 | FA53901233-300 | 867 | FA53902733-300 | 861 | FA53904233-300 | 863 | FA53905733-300 | 864 | FA53907233-300 |
| 866 | FA53901233-310 | 867 | FA53902733-310 | 861 | FA53904233-310 | 863 | FA53905733-310 | 864 | FA53907233-310 |
| 866 | FA53901406 | 868 | FA53902906 | 861 | FA53904406 | 863 | FA53905906 | 860 | FA53907406 |
| 866 | FA53901406-300 | 868 | FA53902906-300 | 861 | FA53904406-300 | 863 | FA53905906-300 | 860 | FA53907406-300 |
| 866 | FA53901406-310 | 868 | FA53902906-310 | 861 | FA53904406-310 | 863 | FA53905906-310 | 860 | FA53907406-310 |
| 866 | FA53901433 | 868 | FA53902933 | 861 | FA53904433 | 863 | FA53905933 | 860 | FA53907433 |
| 866 | FA53901433-300 | 868 | FA53902933-300 | 861 | FA53904433-300 | 863 | FA53905933-300 | 860 | FA53907433-300 |
| 866 | FA53901433-310 | 868 | FA53902933-310 | 861 | FA53904433-310 | 863 | FA53905933-310 | 860 | FA53907433-310 |
| 866 | FA53901506 | 868 | FA53903006 | 861 | FA53904506 | 863 | FA53906006 | 860 | FA53907506 |
| 866 | FA53901506-300 | 868 | FA53903006-300 | 861 | FA53904506-300 | 863 | FA53906006-300 | 860 | FA53907506-300 |
| 866 | FA53901506-310 | 868 | FA53903006-310 | 861 | FA53904506-310 | 863 | FA53906006-310 | 860 | FA53907506-310 |
| 866 | FA53901533 | 868 | FA53903033 | 861 | FA53904533 | 863 | FA53906033 | 860 | FA53907533 |

| Page | Reference | Page | Reference | Page | Reference | Page | Reference | Page | Reference |
|---|---|---|---|---|---|---|---|---|---|
| 860 | FA53907533-300 | 863 | FA53909433-300 | 867 | FA53911433-300 | 864 | FA53913833-300 | 865 | FA53915833-300 |
| 860 | FA53907533-310 | 863 | FA53909433-310 | 867 | FA53911433-310 | 864 | FA53913833-310 | 865 | FA53915833-310 |
| 860 | FA53907606 | 864 | FA53909606 | 867 | FA53911606 | 865 | FA53914006 | 866 | FA53916006 |
| 860 | FA53907606-300 | 864 | FA53909606-300 | 867 | FA53911606-300 | 865 | FA53914006-300 | 866 | FA53916006-300 |
| 860 | FA53907606-310 | 864 | FA53909606-310 | 867 | FA53911606-310 | 865 | FA53914006-310 | 866 | FA53916006-310 |
| 860 | FA53907633 | 864 | FA53909633 | 867 | FA53911633 | 865 | FA53914033 | 866 | FA53916033 |
| 860 | FA53907633-300 | 864 | FA53909633-300 | 867 | FA53911633-300 | 865 | FA53914033-300 | 866 | FA53916033-300 |
| 860 | FA53907633-310 | 864 | FA53909633-310 | 867 | FA53911633-310 | 865 | FA53914033-310 | 866 | FA53916033-310 |
| 861 | FA53907806 | 864 | FA53909806 | 867 | FA53911806 | 866 | FA53914206 | 867 | FA53916206 |
| 861 | FA53907806-300 | 864 | FA53909806-300 | 867 | FA53911806-300 | 866 | FA53914206-300 | 867 | FA53916206-300 |
| 861 | FA53907806-310 | 864 | FA53909806-310 | 867 | FA53911806-310 | 866 | FA53914206-310 | 867 | FA53916206-310 |
| 861 | FA53907833 | 864 | FA53909833 | 867 | FA53911833 | 866 | FA53914233 | 867 | FA53916233 |
| 861 | FA53907833-300 | 864 | FA53909833-300 | 867 | FA53911833-300 | 866 | FA53914233-300 | 867 | FA53916233-300 |
| 861 | FA53907833-310 | 864 | FA53909833-310 | 867 | FA53911833-310 | 866 | FA53914233-310 | 867 | FA53916233-310 |
| 861 | FA53908006 | 864 | FA53910006 | 868 | FA53912006 | 867 | FA53914406 | 868 | FA53916406 |
| 861 | FA53908006-300 | 864 | FA53910006-300 | 868 | FA53912006-300 | 867 | FA53914406-300 | 868 | FA53916406-300 |
| 861 | FA53908006-310 | 864 | FA53910006-310 | 868 | FA53912006-310 | 867 | FA53914406-310 | 868 | FA53916406-310 |
| 861 | FA53908033 | 864 | FA53910033 | 868 | FA53912033 | 867 | FA53914433 | 868 | FA53916433 |
| 861 | FA53908033-300 | 864 | FA53910033-300 | 868 | FA53912033-300 | 867 | FA53914433-300 | 868 | FA53916433-300 |
| 861 | FA53908033-310 | 864 | FA53910033-310 | 868 | FA53912033-310 | 867 | FA53914433-310 | 868 | FA53916433-310 |
| 861 | FA53908206 | 865 | FA53910206 | 868 | FA53912206 | 868 | FA53914606 | 860 | FA53916606 |
| 861 | FA53908206-300 | 865 | FA53910206-300 | 868 | FA53912206-300 | 868 | FA53914606-300 | 860 | FA53916606-300 |
| 861 | FA53908206-310 | 865 | FA53910206-310 | 868 | FA53912206-310 | 868 | FA53914606-310 | 860 | FA53916606-310 |
| 861 | FA53908233 | 865 | FA53910233 | 868 | FA53912233 | 868 | FA53914633 | 860 | FA53916633 |
| 861 | FA53908233-300 | 865 | FA53910233-300 | 868 | FA53912233-300 | 868 | FA53914633-300 | 860 | FA53916633-300 |
| 861 | FA53908233-310 | 865 | FA53910233-310 | 868 | FA53912233-310 | 868 | FA53914633-310 | 860 | FA53916633-310 |
| 862 | FA53908406 | 865 | FA53910406 | 868 | FA53912406 | 860 | FA53914806 | 861 | FA53916806 |
| 862 | FA53908406-300 | 865 | FA53910406-300 | 868 | FA53912406-300 | 860 | FA53914806-300 | 861 | FA53916806-300 |
| 862 | FA53908406-310 | 865 | FA53910406-310 | 868 | FA53912406-310 | 860 | FA53914806-310 | 861 | FA53916806-310 |
| 862 | FA53908433 | 865 | FA53910433 | 868 | FA53912433 | 860 | FA53914833 | 861 | FA53916833 |
| 862 | FA53908433-300 | 865 | FA53910433-300 | 868 | FA53912433-300 | 860 | FA53914833-300 | 861 | FA53916833-300 |
| 862 | FA53908433-310 | 865 | FA53910433-310 | 868 | FA53912433-310 | 860 | FA53914833-310 | 861 | FA53916833-310 |
| 862 | FA53908606 | 865 | FA53910606 | 860 | FA53913006 | 861 | FA53915006 | 862 | FA53917006 |
| 862 | FA53908606-300 | 865 | FA53910606-300 | 860 | FA53913006-300 | 861 | FA53915006-300 | 862 | FA53917006-300 |
| 862 | FA53908606-310 | 865 | FA53910606-310 | 860 | FA53913006-310 | 861 | FA53915006-310 | 862 | FA53917006-310 |
| 862 | FA53908633 | 865 | FA53910633 | 860 | FA53913033 | 861 | FA53915033 | 862 | FA53917033 |
| 862 | FA53908633-300 | 865 | FA53910633-300 | 860 | FA53913033-300 | 861 | FA53915033-300 | 862 | FA53917033-300 |
| 862 | FA53908633-310 | 865 | FA53910633-310 | 860 | FA53913033-310 | 861 | FA53915033-310 | 862 | FA53917033-310 |
| 862 | FA53908806 | 866 | FA53910806 | 861 | FA53913206 | 862 | FA53915206 | 863 | FA53917206 |
| 862 | FA53908806-300 | 866 | FA53910806-300 | 861 | FA53913206-300 | 862 | FA53915206-300 | 863 | FA53917206-300 |
| 862 | FA53908806-310 | 866 | FA53910806-310 | 861 | FA53913206-310 | 862 | FA53915206-310 | 863 | FA53917206-310 |
| 862 | FA53908833 | 866 | FA53910833 | 861 | FA53913233 | 862 | FA53915233 | 863 | FA53917233 |
| 862 | FA53908833-300 | 866 | FA53910833-300 | 861 | FA53913233-300 | 862 | FA53915233-300 | 863 | FA53917233-300 |
| 862 | FA53908833-310 | 866 | FA53910833-310 | 861 | FA53913233-310 | 862 | FA53915233-310 | 863 | FA53917233-310 |
| 863 | FA53909006 | 866 | FA53911006 | 862 | FA53913406 | 863 | FA53915406 | 864 | FA53917406 |
| 863 | FA53909006-300 | 866 | FA53911006-300 | 862 | FA53913406-300 | 863 | FA53915406-300 | 864 | FA53917406-300 |
| 863 | FA53909006-310 | 866 | FA53911006-310 | 862 | FA53913406-310 | 863 | FA53915406-310 | 864 | FA53917406-310 |
| 863 | FA53909033 | 866 | FA53911033 | 862 | FA53913433 | 863 | FA53915433 | 864 | FA53917433 |
| 863 | FA53909033-300 | 866 | FA53911033-300 | 862 | FA53913433-300 | 863 | FA53915433-300 | 864 | FA53917433-300 |
| 863 | FA53909033-310 | 866 | FA53911033-310 | 862 | FA53913433-310 | 863 | FA53915433-310 | 864 | FA53917433-310 |
| 863 | FA53909206 | 866 | FA53911206 | 863 | FA53913606 | 864 | FA53915606 | 865 | FA53917606 |
| 863 | FA53909206-300 | 866 | FA53911206-300 | 863 | FA53913606-300 | 864 | FA53915606-300 | 865 | FA53917606-300 |
| 863 | FA53909206-310 | 866 | FA53911206-310 | 863 | FA53913606-310 | 864 | FA53915606-310 | 865 | FA53917606-310 |
| 863 | FA53909233 | 866 | FA53911233 | 863 | FA53913633 | 864 | FA53915633 | 865 | FA53917633 |
| 863 | FA53909233-300 | 866 | FA53911233-300 | 863 | FA53913633-300 | 864 | FA53915633-300 | 865 | FA53917633-300 |
| 863 | FA53909233-310 | 866 | FA53911233-310 | 863 | FA53913633-310 | 864 | FA53915633-310 | 865 | FA53917633-310 |
| 863 | FA53909406 | 867 | FA53911406 | 864 | FA53913806 | 865 | FA53915806 | 866 | FA53917806 |
| 863 | FA53909406-300 | 867 | FA53911406-300 | 864 | FA53913806-300 | 865 | FA53915806-300 | 866 | FA53917806-300 |
| 863 | FA53909406-310 | 867 | FA53911406-310 | 864 | FA53913806-310 | 865 | FA53915806-310 | 866 | FA53917806-310 |
| 863 | FA53909433 | 867 | FA53911433 | 864 | FA53913833 | 865 | FA53915833 | 866 | FA53917833 |

| Page | Reference | Page | Reference | Page | Reference | Page | Reference | Page | Reference |
|---|---|---|---|---|---|---|---|---|---|
| 866 | FA53917833-300 | 769 | FA54100730.A | 769 | FA54102830.A | 700 | FA54200730 | 818 | FA8806 |
| 866 | FA53917833-310 | 769 | FA54100733.A | 769 | FA54102833.A | 700 | FA54200733 | 818 | FA8812 |
| 867 | FA53918006 | 769 | FA54100801.A | 769 | FA54103001.A | 700 | FA54200901 | 818 | FA8818 |
| 867 | FA53918006-300 | 769 | FA54100806.A | 769 | FA54103006.A | 700 | FA54200906 | 818 | FA8830 |
| 867 | FA53918006-310 | 769 | FA54100812.A | 769 | FA54103012.A | 700 | FA54200912 | 818 | FA8833 |
| 867 | FA53918033 | 769 | FA54100818.A | 769 | FA54103018.A | 700 | FA54200918 | 823 | FA8906 |
| 867 | FA53918033-300 | 769 | FA54100830.A | 769 | FA54103030.A | 700 | FA54200930 | 823 | FA8933 |
| 867 | FA53918033-310 | 769 | FA54100833.A | 769 | FA54103033.A | 700 | FA54200933 | 823 | FA9006 |
| 868 | FA53918206 | 769 | FA54100901.A | 770 | FA54103201.A | 790 | FA68 | 823 | FA9033 |
| 868 | FA53918206-300 | 769 | FA54100906.A | 770 | FA54103206.A | 692 | FA71 | 822 | FA9306 |
| 868 | FA53918206-310 | 769 | FA54100912.A | 770 | FA54103212.A | 692 | FA72 | 822 | FA9333 |
| 868 | FA53918233 | 769 | FA54100918.A | 770 | FA54103218.A | 823 | FA7806 | 822 | FA9406 |
| 868 | FA53918233-300 | 769 | FA54100930.A | 770 | FA54103230.A | 823 | FA7833 | 688 | FA941861206 |
| 868 | FA53918233-310 | 769 | FA54100933.A | 770 | FA54103233.A | 823 | FA7906 | 688 | FA941861206-300 |
| 760 | FA54000101.A | 769 | FA54101001.A | 770 | FA54103401.A | 823 | FA7933 | 688 | FA941861206-310 |
| 760 | FA54000106.A | 769 | FA54101006.A | 770 | FA54103406.A | 692 | FA81 | 688 | FA941861233 |
| 760 | FA54000112.A | 769 | FA54101012.A | 770 | FA54103412.A | 692 | FA82 | 688 | FA941861233-300 |
| 760 | FA54000118.A | 769 | FA54101018.A | 770 | FA54103418.A | 732 | FA84280001.A | 688 | FA941861233-310 |
| 760 | FA54000130.A | 769 | FA54101030.A | 770 | FA54103430.A | 732 | FA84280006.A | 688 | FA941861306 |
| 760 | FA54000133.A | 769 | FA54101033.A | 770 | FA54103433.A | 732 | FA84280012.A | 688 | FA941861306-300 |
| 760 | FA54000201.A | 770 | FA54101101.A | 771 | FA54110001 | 732 | FA84280018.A | 688 | FA941861306-310 |
| 760 | FA54000206.A | 770 | FA54101106.A | 771 | FA54110006 | 732 | FA84280030.A | 688 | FA9418613106 |
| 760 | FA54000212.A | 770 | FA54101112.A | 771 | FA54110012 | 732 | FA84280033.A | 688 | FA9418613106-300 |
| 760 | FA54000218.A | 770 | FA54101118.A | 771 | FA54110018 | 732 | FA844281101.A | 688 | FA9418613106-310 |
| 760 | FA54000230.A | 770 | FA54101130.A | 771 | FA54110030 | 732 | FA844281106.A | 688 | FA9418613133 |
| 760 | FA54000233.A | 770 | FA54101133.A | 771 | FA54110033 | 732 | FA844281112.A | 688 | FA9418613133-300 |
| 761 | FA54000301 | 770 | FA54101201.A | 771 | FA54110201 | 732 | FA844281118.A | 688 | FA9418613133-310 |
| 761 | FA54000306 | 770 | FA54101206.A | 771 | FA54110206 | 732 | FA844281130.A | 688 | FA941861333 |
| 761 | FA54000312 | 770 | FA54101212.A | 771 | FA54110212 | 732 | FA844281133.A | 688 | FA941861333-300 |
| 761 | FA54000318 | 770 | FA54101218.A | 771 | FA54110218 | 732 | FA844281201.A | 688 | FA941861333-310 |
| 761 | FA54000330 | 770 | FA54101230.A | 771 | FA54110230 | 732 | FA844281206.A | 689 | FA941871306 |
| 761 | FA54000333 | 770 | FA54101233.A | 771 | FA54110233 | 732 | FA844281212.A | 689 | FA941871333 |
| 768 | FA54100201 | 770 | FA54101301.A | 700 | FA54200201 | 732 | FA844281218.A | 690 | FA941881206 |
| 768 | FA54100206 | 770 | FA54101306.A | 700 | FA54200206 | 732 | FA844281230.A | 690 | FA941881206-300 |
| 768 | FA54100212 | 770 | FA54101312.A | 700 | FA54200212 | 732 | FA844281233.A | 690 | FA941881206-310 |
| 768 | FA54100218 | 770 | FA54101318.A | 700 | FA54200218 | 732 | FA844281301.A | 690 | FA941881233 |
| 768 | FA54100230 | 770 | FA54101330.A | 700 | FA54200230 | 732 | FA844281306.A | 690 | FA941881233-300 |
| 768 | FA54100233 | 770 | FA54101333.A | 700 | FA54200233 | 732 | FA844281312.A | 690 | FA941881233-310 |
| 768 | FA54100301 | 770 | FA54101401.A | 700 | FA54200301 | 732 | FA844281318.A | 690 | FA941881306 |
| 768 | FA54100306 | 770 | FA54101406.A | 700 | FA54200306 | 732 | FA844281330.A | 690 | FA941881306-300 |
| 768 | FA54100312 | 770 | FA54101412.A | 700 | FA54200312 | 732 | FA844281333.A | 690 | FA941881306-310 |
| 768 | FA54100318 | 770 | FA54101418.A | 700 | FA54200318 | 732 | FA844282101.A | 690 | FA9418813106 |
| 768 | FA54100330 | 770 | FA54101430.A | 700 | FA54200330 | 732 | FA844282106.A | 690 | FA9418813106-300 |
| 768 | FA54100333 | 770 | FA54101433.A | 700 | FA54200333 | 732 | FA844282112.A | 690 | FA9418813106-310 |
| 768 | FA54100501 | 768 | FA54102301 | 700 | FA54200501 | 732 | FA844282118.A | 690 | FA9418813133 |
| 768 | FA54100506 | 768 | FA54102306 | 700 | FA54200506 | 732 | FA844282130.A | 690 | FA9418813133-300 |
| 768 | FA54100512 | 768 | FA54102312 | 700 | FA54200512 | 732 | FA844282133.A | 690 | FA9418813133-310 |
| 768 | FA54100518 | 768 | FA54102318 | 700 | FA54200518 | 732 | FA844282201.A | 690 | FA941881333 |
| 768 | FA54100530 | 768 | FA54102330 | 700 | FA54200530 | 732 | FA844282206.A | 690 | FA941881333-300 |
| 768 | FA54100533 | 768 | FA54102333 | 700 | FA54200533 | 732 | FA844282212.A | 690 | FA941881333-310 |
| 768 | FA54100601 | 768 | FA54102601 | 700 | FA54200601 | 732 | FA844282218.A | 691 | FA941891306 |
| 768 | FA54100606 | 768 | FA54102606 | 700 | FA54200606 | 732 | FA844282230.A | 691 | FA941891333 |
| 768 | FA54100612 | 768 | FA54102612 | 700 | FA54200612 | 732 | FA844282233.A | 824 | FA942842401.A |
| 768 | FA54100618 | 768 | FA54102618 | 700 | FA54200618 | 732 | FA844282301.A | 824 | FA942842406.A |
| 768 | FA54100630 | 768 | FA54102630 | 700 | FA54200630 | 732 | FA844282306.A | 824 | FA942842412.A |
| 768 | FA54100633 | 768 | FA54102633 | 700 | FA54200633 | 732 | FA844282312.A | 824 | FA942842418.A |
| 769 | FA54100701.A | 769 | FA54102801.A | 700 | FA54200701 | 732 | FA844282318.A | 824 | FA942842430.A |
| 769 | FA54100706.A | 769 | FA54102806.A | 700 | FA54200706 | 732 | FA844282330.A | 824 | FA942842433.A |
| 769 | FA54100712.A | 769 | FA54102812.A | 700 | FA54200712 | 732 | FA844282333.A | 824 | FA942851401.A |
| 769 | FA54100718.A | 769 | FA54102818.A | 700 | FA54200718 | 818 | FA8801 | 824 | FA942851406.A |

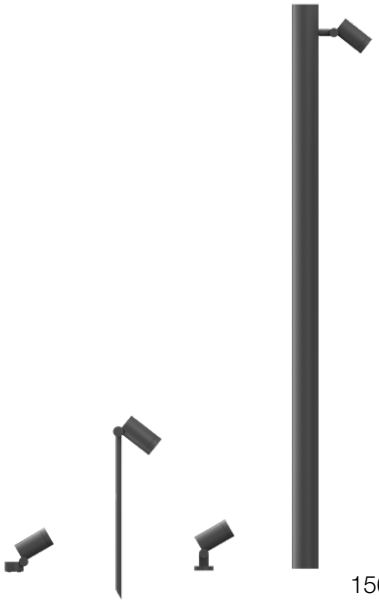
| Page | Reference | Page | Reference | Page | Reference | Page | Reference | Page | Reference |
|---|---|---|---|---|---|---|---|---|---|
| 824 | FA942851412.A | 690 | FA94861206-300 | 825 | FA972471306 | 825 | FA972472418 | 824 | FA972842318.A |
| 824 | FA942851418.A | 690 | FA94861206-310 | 825 | FA972471306-300 | 825 | FA972472418-300 | 824 | FA972842330.A |
| 824 | FA942851430.A | 690 | FA94861233 | 825 | FA972471306-310 | 825 | FA972472418-310 | 824 | FA972842333.A |
| 824 | FA942851433.A | 690 | FA94861233-300 | 825 | FA972471312 | 825 | FA972472430 | 824 | FA972851301.A |
| 822 | FA9433 | 690 | FA94861233-310 | 825 | FA972471312-300 | 825 | FA972472430-300 | 824 | FA972851306.A |
| 690 | FA94801206 | 690 | FA94861306 | 825 | FA972471312-310 | 825 | FA972472430-310 | 824 | FA972851312.A |
| 690 | FA94801206-300 | 690 | FA94861306-300 | 825 | FA972471318 | 825 | FA972472433 | 824 | FA972851318.A |
| 690 | FA94801206-310 | 690 | FA94861306-310 | 825 | FA972471318-300 | 825 | FA972472433-300 | 824 | FA972851330.A |
| 690 | FA94801233 | 690 | FA948613106 | 825 | FA972471318-310 | 825 | FA972472433-310 | 824 | FA972851333.A |
| 690 | FA94801233-300 | 690 | FA948613106-300 | 825 | FA972471330 | 825 | FA972481301 | 547 | FA98 |
| 690 | FA94801233-310 | 690 | FA948613106-310 | 825 | FA972471330-300 | 825 | FA972481301-300 | 547 | FA99 |
| 690 | FA94801306 | 690 | FA948613133 | 825 | FA972471330-310 | 825 | FA972481301-310 | 641 | RF25746 |
| 690 | FA94801306-300 | 690 | FA948613133-300 | 825 | FA972471333 | 825 | FA972481306 | 309 | RF25747 |
| 690 | FA94801306-310 | 690 | FA948613133-310 | 825 | FA972471333-300 | 825 | FA972481306-300 | 309 | RF25748 |
| 690 | FA948013106 | 690 | FA94861333 | 825 | FA972471333-310 | 825 | FA972481306-310 | 407 | RF25750 |
| 690 | FA948013106-300 | 690 | FA94861333-300 | 825 | FA972471401 | 825 | FA972481312 | 406 | RF25752 |
| 690 | FA948013106-310 | 690 | FA94861333-310 | 825 | FA972471401-300 | 825 | FA972481312-300 | 641 | RF25753 |
| 690 | FA948013133 | 822 | FA9506 | 825 | FA972471401-310 | 825 | FA972481312-310 | 309 | RF25754 |
| 690 | FA948013133-300 | 822 | FA9533 | 825 | FA972471406 | 825 | FA972481318 | 309 | RF25757 |
| 690 | FA948013133-310 | 822 | FA9606 | 825 | FA972471406-300 | 825 | FA972481318-300 | 407 | RF26387.A |
| 690 | FA94801333 | 820 | FA962821301.A | 825 | FA972471406-310 | 825 | FA972481318-310 | 290 | RF26998 |
| 690 | FA94801333-300 | 820 | FA962821306.A | 825 | FA972471412 | 825 | FA972481330 | 256 | RF32288 |
| 690 | FA94801333-310 | 820 | FA962821312.A | 825 | FA972471412-300 | 825 | FA972481330-300 | 256 | RF32289 |
| 688 | FA94831206 | 820 | FA962821318.A | 825 | FA972471412-310 | 825 | FA972481330-310 | 204 | RF32290 |
| 688 | FA94831206-300 | 820 | FA962821330.A | 825 | FA972471418 | 825 | FA972481333 | 204 | RF32291 |
| 688 | FA94831206-310 | 820 | FA962821333.A | 825 | FA972471418-300 | 825 | FA972481333-300 | | |
| 688 | FA94831233 | 820 | FA962821401.A | 825 | FA972471418-310 | 825 | FA972481333-310 | | |
| 688 | FA94831233-300 | 820 | FA962821406.A | 825 | FA972471430 | 825 | FA972481401 | | |
| 688 | FA94831233-310 | 820 | FA962821412.A | 825 | FA972471430-300 | 825 | FA972481401-300 | | |
| 688 | FA94831306 | 820 | FA962821418.A | 825 | FA972471430-310 | 825 | FA972481401-310 | | |
| 688 | FA94831306-300 | 820 | FA962821430.A | 825 | FA972471433 | 825 | FA972481406 | | |
| 688 | FA94831306-310 | 820 | FA962821433.A | 825 | FA972471433-300 | 825 | FA972481406-300 | | |
| 688 | FA948313106 | 820 | FA962831301.A | 825 | FA972471433-310 | 825 | FA972481406-310 | | |
| 688 | FA948313106-300 | 820 | FA962831306.A | 825 | FA972472301 | 825 | FA972481412 | | |
| 688 | FA948313106-310 | 820 | FA962831312.A | 825 | FA972472301-300 | 825 | FA972481412-300 | | |
| 688 | FA948313133 | 820 | FA962831318.A | 825 | FA972472301-310 | 825 | FA972481412-310 | | |
| 688 | FA948313133-300 | 820 | FA962831330.A | 825 | FA972472306 | 825 | FA972481418 | | |
| 688 | FA948313133-310 | 820 | FA962831333.A | 825 | FA972472306-300 | 825 | FA972481418-300 | | |
| 688 | FA94831333 | 820 | FA962831401.A | 825 | FA972472306-310 | 825 | FA972481418-310 | | |
| 688 | FA94831333-300 | 820 | FA962831406.A | 825 | FA972472312 | 825 | FA972481430 | | |
| 688 | FA94831333-310 | 820 | FA962831412.A | 825 | FA972472312-300 | 825 | FA972481430-300 | | |
| 688 | FA94851206 | 820 | FA962831418.A | 825 | FA972472312-310 | 825 | FA972481430-310 | | |
| 688 | FA94851206-300 | 820 | FA962831430.A | 825 | FA972472318 | 825 | FA972481433 | | |
| 688 | FA94851206-310 | 820 | FA962831433.A | 825 | FA972472318-300 | 825 | FA972481433-300 | | |
| 688 | FA94851233 | 820 | FA962832301.A | 825 | FA972472318-310 | 825 | FA972481433-310 | | |
| 688 | FA94851233-300 | 820 | FA962832306.A | 825 | FA972472330 | 824 | FA972841301.A | | |
| 688 | FA94851233-310 | 820 | FA962832312.A | 825 | FA972472330-300 | 824 | FA972841306.A | | |
| 688 | FA94851306 | 820 | FA962832318.A | 825 | FA972472330-310 | 824 | FA972841312.A | | |
| 688 | FA94851306-300 | 820 | FA962832330.A | 825 | FA972472333 | 824 | FA972841318.A | | |
| 688 | FA94851306-310 | 820 | FA962832333.A | 825 | FA972472333-300 | 824 | FA972841330.A | | |
| 688 | FA948513106 | 820 | FA962832401.A | 825 | FA972472333-310 | 824 | FA972841333.A | | |
| 688 | FA948513106-300 | 820 | FA962832406.A | 825 | FA972472401 | 824 | FA972841401.A | | |
| 688 | FA948513106-310 | 820 | FA962832412.A | 825 | FA972472401-300 | 824 | FA972841406.A | | |
| 688 | FA948513133 | 820 | FA962832418.A | 825 | FA972472401-310 | 824 | FA972841412.A | | |
| 688 | FA948513133-300 | 820 | FA962832430.A | 825 | FA972472406 | 824 | FA972841418.A | | |
| 688 | FA948513133-310 | 820 | FA962832433.A | 825 | FA972472406-300 | 824 | FA972841430.A | | |
| 688 | FA94851333 | 822 | FA9633 | 825 | FA972472406-310 | 824 | FA972841433.A | | |
| 688 | FA94851333-300 | 825 | FA972471301 | 825 | FA972472412 | 824 | FA972842301.A | | |
| 688 | FA94851333-310 | 825 | FA972471301-300 | 825 | FA972472412-300 | 824 | FA972842306.A | | |
| 690 | FA94861206 | 825 | FA972471301-310 | 825 | FA972472412-310 | 824 | FA972842312.A | | |

# FLOS

## Outdoor

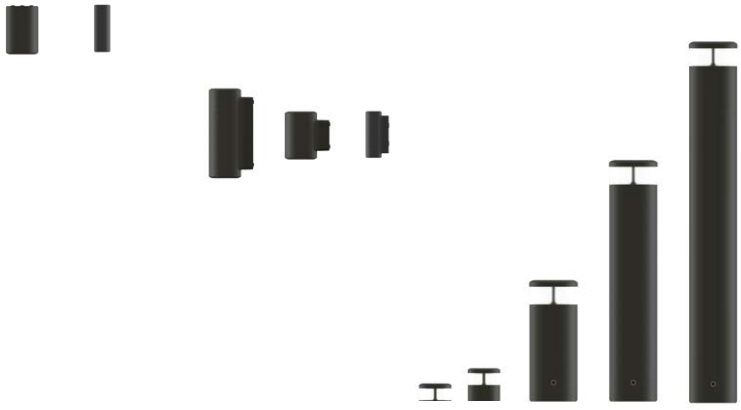
**Spine** 16

Spine
Spine F
Spine L
Spine T



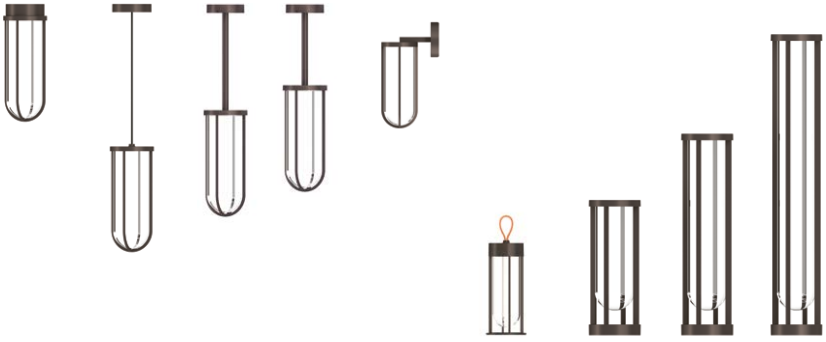
**Pointbreak** 156

Pointbreak Bollard
Pointbreak Balisage
Pointbreak Wall
Pointbreak Ceiling



**In Vitro** 186

In Vitro Bollard
In Vitro Wall
In Vitro Ceiling
In Vitro Suspended
In Vitro Unplugged



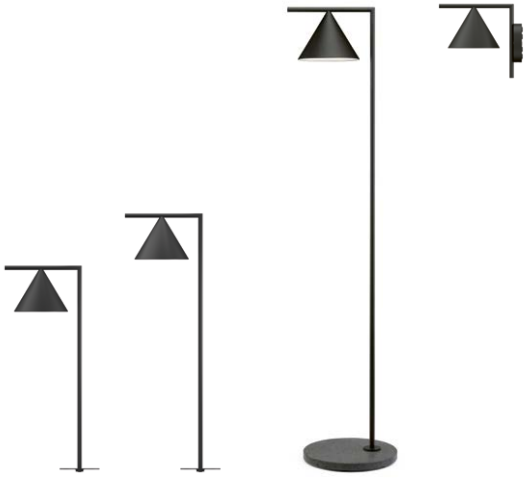
**Mayday Outdoor** 198

**Mile** 206

Mile Wall
Mile Bollard
Mile Path
Mile Ceiling
Mile Recessed

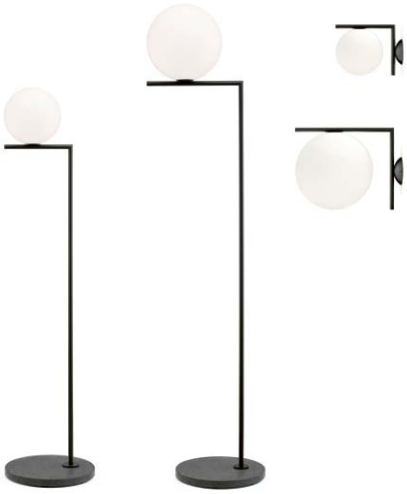
**Captain Flint** 240

Captain Flint Wall
Captain Flint Floor
Captain Flint Bollard



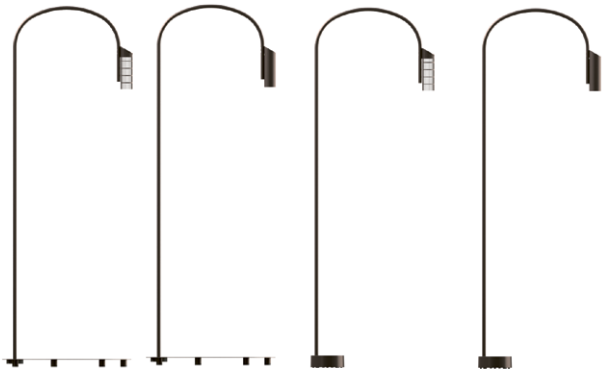
**IC Light** 250

IC Wall
IC Floor



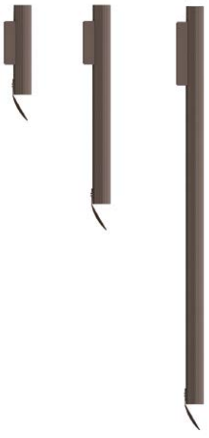
**Caule** 258

Caule Floor / Floor Nest
Caule Bollard / Bollard Nest



**Flauta** 274

Flauta Riga
Flauta Spiga



**Lighting In The Rain** 285

Romeo C3
KTribe F3
Superarchimoon

**Landlord** 292

Landlord Spot
Landlord Soft
Landlord Ground

**Bellhop** 310

Bellhop Wall
Bellhop Bollard
Bellhop Pole

**Casting** 322

Casting Concrete
Casting C
Casting T

**Walkstick / Wallstick** 334

Walkstick Pipe
Walkstick
Wallstick

**Belvedere** 348

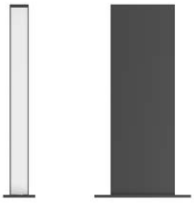
Belvedere Clove
Belvedere Spot
Belvedere Wall

**Klein Pro** 360

**Zefiro** 370

**I - Ron** 380

**Talia** 388



**Real Matter** 398

**My Way** 408

**Camouflage** 416



**Climber** 426

**Heavy Metal** 440

Heavy Metal Spot
Heavy Metal Wall

**Marco** 462

**Fenestra** 472

**A-Round** 480

**A-Rise** 490

**Gobi** 514

**C-Me** 536

C-Me Round
C-Me Square
C-Me Rectangle
C-Me Line

**Ingraze** 560

Ingraze Frame Fixed / Adjustable
Ingraze Frameless Fixed / Adjustable

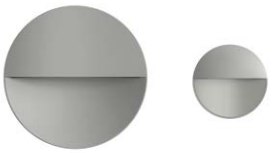
**Outgraze** 622

**Tau** 672

**Cielo** 684

**Eclipse** 696

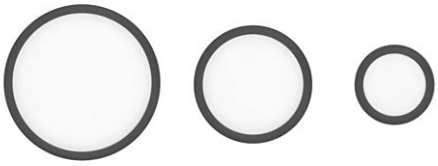
Eclipse
Eclipse Mini



**Hyperion** 706

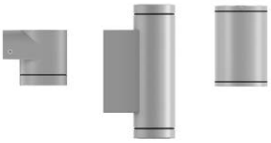
Hyperion
Hyperion Mini

**Platter** 716



**Emma** 728

Emma Wall
Emma Ceiling



**Leila** 744

**Kirk** 756

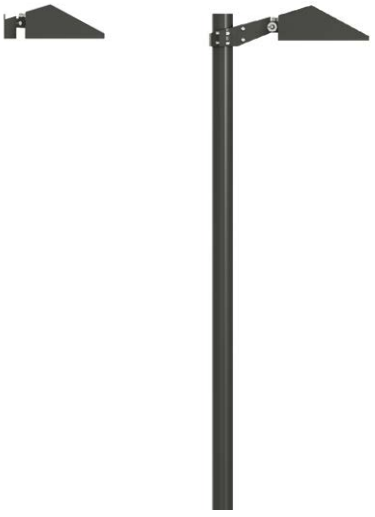
**Spock** 764

**Aimer** 776

Aimer
Aimer Aqua

**Franco** 810

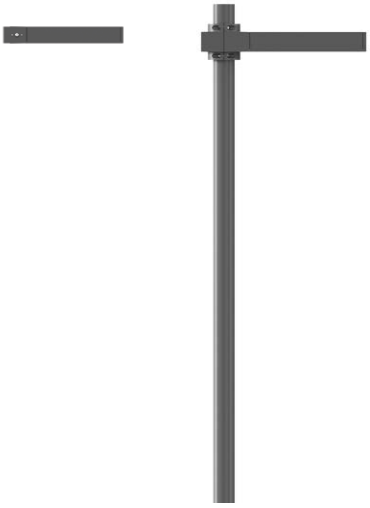
Franco
Franco Pole



**Perseo** 832

Perseo
Perseo Pole

**Dooku** 856



**Contact Italy**
Flos Spa
Via Angelo Faini, 2
25073 Bovezzo (Brescia)
Tel +39 0302438.1
Fax +39 0302438.250
info@flos.com

ARES s.r.l. - Socio Unico
Viale dell'Artigianato, 24
20881 Bernareggio
Monza Brianza, Italy
Tel +39 039 6900892
Fax +39 039 6901855
flos.outdoor@flos.com

**Contact Spain**
Antares Iluminación S.A.U.
Calle Mallorca, 1
Polígono Industrial Reva 46394
Ribarroja (Valencia)
Tel +34 96 166 95 20
Fax +34 96 166 82 86
flos.architectural@flos.com

**Distribution Spain**
Antares Iluminación s.A.U.
Calle Mallorca, 1
Polígono Industrial Reva
46394 Ribarroja (Valencia)
Tel +34 96 166 95 20
Fax +34 96 166 82 86
flos.architectural@flos.com

**Distribution Belgium And Luxembourg**
Flos Belux
M +32 474 739 080
flosbelux@flos.com

**Distribution Norway**
Drammensveien 120
0277 Oslo - Norway
Tel +47 (0) 2212 86 00
Fax +47 (0) 2212 86 08
info.norge@flos.com

**Distribution Sweden**
FLOS Sweden
Lützengatan 1
11520 Stockholm - Sweden
Tel +4686604405
info.se@flos.com

**Distribution Denmark**
FLOS Scandinavia A/S
Kuglegaardsvej 13-17
1434 Copenhagen K - Denmark
Tel +4533886000
info.dk@flos.com

**Distribution Amsterdam**
Cruquiusweg 109S
1019 AG Amsterdam
The Netherlands
Tel +31 (0) 20 560 50 60
flosnetherlands@flos.com

**Distribution France**
Flos France
20-22, Passage Dauphine
75006 Paris
Tel +33 (0) 1 40 64 17 44
flos.france@flos.com

**Distribution Germany**
Flos GmbH
Obermünsterstraße 18
93047 Regensburg,
Germany
Tel +49 941 630837 00
Fax +49 941 630837 60
info@flos-gmbh.de

**Distribution United Kingdom**
Atrium Ltd.
28 Leonard Street
EC2A 4BY London
Tel +44 (0) 20 7681 9933
Fax +44 (0) 20 7681 9943
flos@atrium.ltd.uk

International Projects
Boccia Giandonato
tel +44(0)20 7681 9933
giandonato.boccia@flos.com

**Distribution Japan**
Flos Co., Ltd.
PMC Building 9F
1-23-5 Higashiazabu
Minato-Ku Tokyo 104-0044
Tel +81 (0) 3 3582 1468
Fax +81 (0) 3 3582 097
flosjapan@flosjapan.com

**Distribution Asia Pacific**
50 Raffles Place, #30-00
Singapore Land Tower
Singapore 048623
Tel +65 90056328
Tel +65 91267780
flosasia@flos.com

**Distribution China**
Flos Illumination
(Shanghai) Co. Ltd.
Unit 101, Floor 1, Building B9
No. 800 of Chang De road
Jing An District, Shanghai,
200040, China
Tel +86 021 62176187

(South China)
Tel +86 1392 9975 703
alan.wong@flos.com

**Distribution Latin America**
Flos LatAm
M +52 55 6960 1772
flos.latinoamerica@flos.com

**Distribution India**
Flos Representative Office
1, Commonwealth Lane
#08-12, 149544 Singapore
Tel +91 9999306667
Fax +65 (0) 6372 7607
flosindia@flos.com

**Distribution U.S.A.**
Flos USA Inc.
40-20 22nd Street - 3rd Floor
Long Island City, NY 11101
Tel +1 (800) 8414011
info@flosusa.com

**Distribution Middle East**
Flos Middle East
Dubai Design District
Building 1B, Office 303
P.O.Box number 333025
Dubai, United Arab Emirates
Tel: +971 4 566 0123
Mob: +971 543567356

**Distribution Hong Kong**
M +852 9307 3713
flosasia@flos.com

**Showroom Stockholm**
FLOS Sweden
Lützengatan 1
11520 Stockholm
Sweden
Tel +4686604405
info.se@flos.com

**Showroom Copenaghen**
FLOS Scandinavia A/S
Kuglegaardsvej 13-17
1434 Copenhagen K
Denmark
Tel +4533886000
info.dk@flos.com

**Showroom Amsterdam**
Cruquiusweg 109Q
1019 AG Amsterdam
The Netherlands
Tel +31 (0) 20 560 50 60
showroom.amsterdam@flos.com

**Showroom Oslo**
Drammensveien 120
0277 Oslo - Norway
Tel +47 (0) 2212 86 00
Fax +47 (0) 2212 86 08
info.norge@flos.com

**Showroom Milano**
Corso Monforte, 15
20122 Milano
Tel +39 02 79 84 57
Fax +39 02 89 78 56 41
showroom.milan@flos.com

**Showroom Paris**
20-22, Passage Dauphine
75006 Paris
Tel +33 (0) 1 40 64 17 44
flos.france@flos.com

**Showroom Tokyo**
PMC Building 9F
1-23-5 Higashiazabu
Minato-Ku
Tokyo 104-0044
Tel +81 (0) 3 35 82 14 68
Fax +81 (0) 3 3582 0974
showroom.tokyo@flos.com

**Flagship Store Milano**
Corso Monforte, 9
20122- Milano
Tel +39 02 37011080
Fax +39 02 780833
shop.milan@flos.com

**Flagship Store Roma**
Via del Babuino, 85
00187 - Roma
Tel +39 06 3207631
Fax +39 06 3207690
flosroma@flos.com

**Flagship Store New York**
135 Madison Ave
New York, NY 10016
Tel +1 212 941 4760
Fax +1 212 941 4763
info@flosusa.com

**Flagship Store Paris**
15, Rue de Bourgogne
75007- Paris
Tel +33 (0) 1 53 85 49 93
Fax +33 (0) 1 53 85 49 99
flosparis@flos.com

**Flagship Store LYON**
17 Rue Jarente
69002 - Lyon
Tel +33 478621301
Fax +33 478622119
floslyon@flos.com

**Flagship Store Stockholm**
FLOS Sverige
Lützengatan 1
11520 Stockholm
Sweden
Tel +46086604405
info.se@flos.com

**Art Direction and Graphic Design**
Apartamento Studios

**Art Photography**
Nicholas Alan Cope

**In-Place Photography**
Tommaso Sartori
Iris Humn

**Still Life Photography**
Piero Fasanotto

**Layout**
Flos Architectural Team

**Edition**
February 2024
Copyright © Flos 2024
All Rights Reserved

**Acknowledgements**
Arch. Ricardo Bofill
Mrs. Natalia Chiner
Mrs. Celia Lescouet
Apulia Exclusive Houses

As our world is in constant evolution, technical upgrades happens every day in our business.

Flos aim is to offer always the best reliable technology available, constantly reviewing our products and upgrading them as soon as technologic evolutions offers benefits for our partners and clients.

This philosophy means that our technical catalogue and product data sheets also are in constant evolution, requiring upgrades and constants reviewing.

Thus, when you need technical details and the most recent product information, please browse the product section of our Flos.com official website: it is updated daily, and there you'll find the latest product details, all available part numbers, all product documents available for immediate download.

www.flos.com

Nuestro mundo está en constante evolución. Diariamente se presentan avances técnicos en nuestro sector.

El objetivo de Flos es ofrecer siempre la mejor tecnología disponible, revisando nuestros productos constantemente y mejorándolos tan pronto como la evolución tecnológica ofrezca ventajas para nuestros socios y clientes.

Esta filosofía implica que nuestro catálogo y nuestras fichas técnicas de producto también se encuentren en constante evolución y requieran mejoras y revisiones constantes.

Por tanto, si necesita consultar detalles técnicos y la información más reciente, diríjase a la sección de productos de nuestra página web oficial Flos.com: se actualiza a diario y en ella encontrará los últimos detalles sobre los productos, los códigos de los artículos disponibles y los documentos para su descarga inmediata.

www.flos.com

FLOS.COM