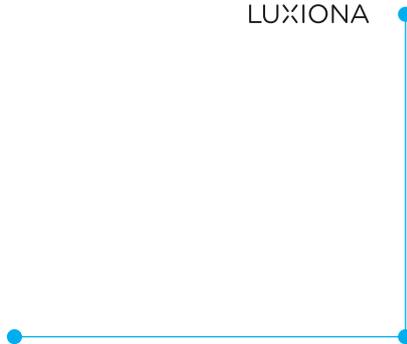


troll

LUXIONA

**IN
OUT.**



CREATE SPACES...

Our character is forged from the energy of light and imagination. Our strength is built on the excellence of ideas and design.

But the point of ideas is to bring them to fruition. Our challenge is to understand light, engage in dialogue with it, and take full advantage of its possibilities. At TROLL we view light as an added element of construction, and exploit its capacities to create atmospheres and sensations.

TROLL participates in the development of projects for premises of all kinds. This begins with initial advice, and continues through to its implementation and to ensuring the complete satisfaction of the end users of that space.

We want to understand the soul of each work, and we want the responsiveness of our design and manufacturing processes to guarantee the excellence of our products and the satisfaction of our customers.

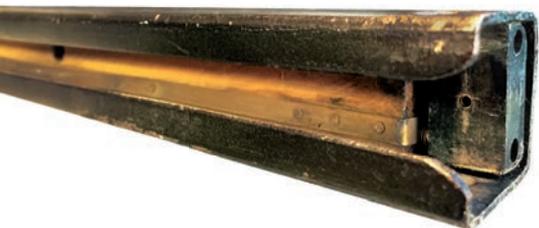
We want to enlighten your ideas and travel the path of creativity together. This will ultimately enlighten your ideas.



BANCO DE BILBAO

BANCO DE BILBAO

troll



First track system
(Patent registered in 1961)

Since 1974... lighting your ideas

Our dedication to light has been a long and thrilling journey which, along with our clients, has awarded us a solid know-how, allowing us to create new ways to manage lighting in a space while thoroughly making use of its capacities.

We live our lives surrounded by inventions that we enjoy and naturally take as a given, ingenious ideas that make our lives easier.

Without a doubt, the electrified rail has been one of the biggest developments of the last century for the lighting industry. Its arrival a few years ago completely revolutionised the lighting industry, giving birth to technical lighting.

Troll is born from the development of the world's first electrified rail (1961) for electrical appliances. We are proud to have contributed to the light industry with a development that has undoubtedly become one of today's most employed solutions for light installations anywhere in the world.

Thanks to the success of the electrified rail, the company was invigorated by strong growth. Thanks to our previous innovation successes, we have acquired a solid know-how in the art of lighting and a well-established international prestige.

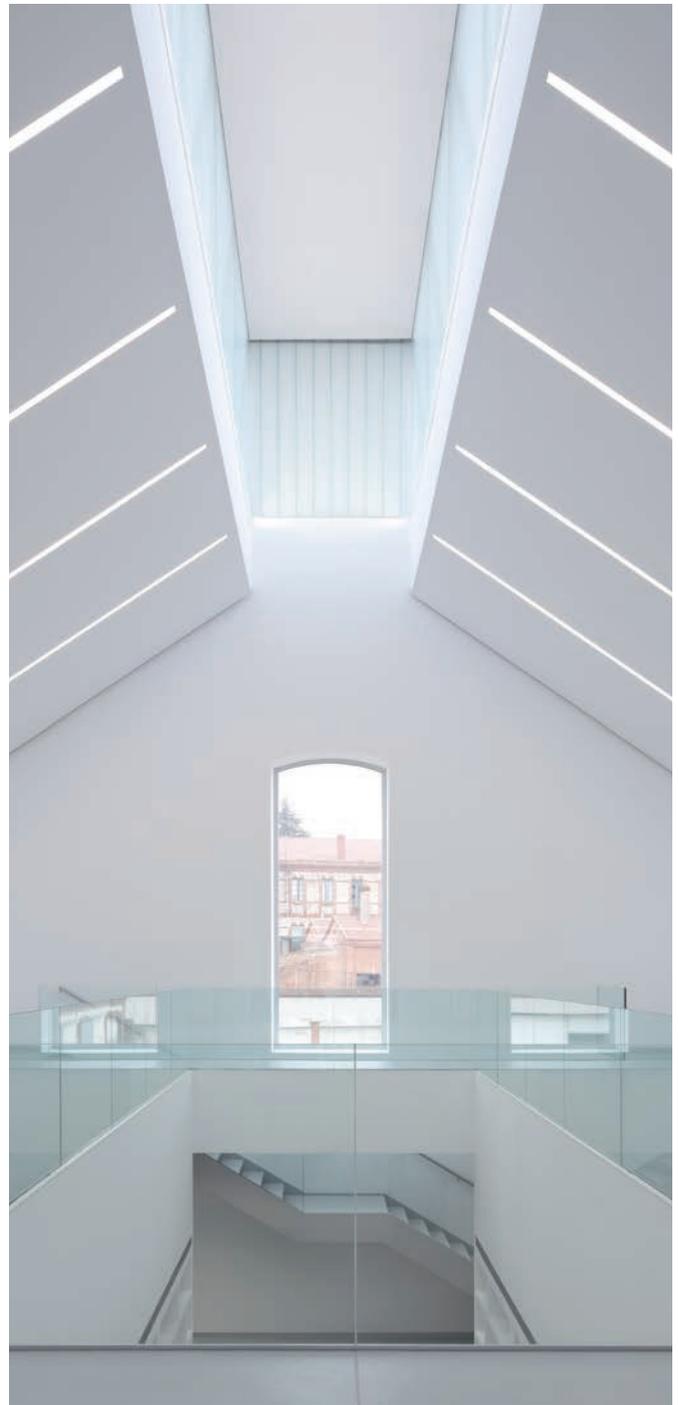
Troll is entering a phase of expansion which is making it a leader in the field of technical lighting today, with over 75 years of company history. At Troll we are committed towards the future, being proactive towards new trends and always maintaining the desire to continue innovating throughout our future.

How often have small ideas turned into great solutions?



DESIGN

TROLL offers lighting concepts based on design, technology, quality, efficiency and competitiveness. Our R & D department investigates and develops new products and innovative lighting applications with the use of cutting-edge materials and production processes suited to the particular needs of each market. The brand relies on design professionals such as the French architect Jean Nouvel, who bring the benefit of their experience by projecting spaces and discovering unresolved needs. Its recognition of research and development of new concepts has repeatedly translated into prestigious awards such as Delta, IF and Design Plus.



QUALITY

The technological revolution offers opportunities to find new lighting applications. Recent digital solutions and the latest generation of LEDs provide significant benefits such as improved efficiency, increased light flow, improved colour rendering rates, longer service lives and many new options, creating a new paradigm for professional and domestic lighting applications. New technologies continue to advance. TROLL selects the most modern and most appropriate technology at all times and for each application, in order to design lighting concepts that guarantee the quality of TROLL products and the result of their applications.



TECHNOLOGY AND INNOVATION

Knowledge and understanding of modern technologies on one hand, and of the requirements of projects on the other, allow TROLL to develop innovative products capable of responding to new lighting requirements as well as to existing needs that until now may have lacked a suitable lighting solution. TROLL is constantly undertaking research in order to propose new concepts and ways of applying light to help dress spaces and thereby offer innovative products intended for highly specialised segments (health & care, retail, hospitality, etc.), providing added value for users and opening new paths to help understand light and its application.



EFFICIENCY

Energy efficiency is a maximum-priority criterion in all projects. TROLL constantly designs and innovates with the aim of reducing energy consumption via efficient products, without sacrificing light quality, in order to meet various lighting needs. Visual comfort and the desired light effects must be created with the minimum possible energy expenditure, maximising efficiency and implying the lowest possible maintenance costs in the future. This is achieved thanks to know-how that can be applied in a wide variety of applications, the study of the use of natural light, the use of the latest technology, the study of investment recovery and the implementation of lighting in each project.

SPECIFICATIONS

 Product made accordingly with European standards	 Safety distance
 Protection rating for solid bodies and liquids	 Class II
 Passes the 850° glow wire test	 Class III
 EU certification (Manufactured to EN 60.598 standard)	 AENOR certification
 Bluetooth	 Tuneable white
 RGB	 RGBW

The average lifetime of most LED products developed is 50,000 hours (value indicated on the datasheet of each product). This measurement is characterized by a B10L70, which means that 90% of the LED's installed will shine at more than 70% of the initial nominal flow.

Example. A luminaire of 50 LED's with a lifetime of 50,000 hours B10L70 means that after 50,000 hours we guarantee that at least 45 of the LED's of this luminaire will be shining at more than 70% of their initial nominal flow.

CUSTOM LED

 Fashion	 Bread and pastries
 Sausages	 Fruits and vegetables
 Meat	 Fish and seafood

Within our new LED range, we've introduced new lighting solutions designed to offer superior colour reproduction, aiming to highlight specific products: fashion, jewellery, meat, sausages, fruits and vegetables, bread and pastries, fish and shellfish.

FINISHES

 /01 Chrome	 /21 Grey (RAL 9006)	 /41 Nickel	 /93 Brilliant white
 /02 Gold	 /22 Anthracite	 /63 Ceramic white	 /92 Satin gold
 /04 Black	 /27 Grey	 /85 Copper	 /94 Brilliant black
 /20 Stainless steel	 /33 White (RAL 9010)	 /91 Satin nickel	 /204 Black
			 /221 Metallic grey

CONTROL GEAR The type of gear included may be shown by the following codes:

EL	Electronic control gear
ELD	Electronic dimmer control gear
ELDD	Electronic dimmer control gear DALI
EE	Electronic control gear with emergency
EED	Electronic dimmer control gear with emergency

HOW TO READ THE CODES

type of application

n° in range

name of range

common features

Suffixes of references which indicate the colour of the finish.
The reference is composed of:
example: 11.1523.9312 + .22 = 11.1523.9312.22

IN
Spotlights

1.2

Luxcan LENS
Luxcan MINI
Luxcan MULTI LENS

Proyector monobloque constituido por cuerpo cilíndrico de aluminio extrusionado. Distintos acabados de pintura de gran calidad Axalta. Todo el cuerpo de la luminaria ejecuta la función de disipador, permitiendo integrar el equipo en su interior. Sistema de orientación con eje único, que permite el giro de 35° y 90° de inclinación. Sistema óptico constituido por lente de policarbonato, que define un haz perfecto, sin halos.
LED y equipo incorporado

Personalización LED
Posibilidad de incorporar nuevas fuentes de luz diseñadas para ofrecer una excelente reproducción de color para realizar los productos de segmentos muy específicos. Bajo demanda.



common features

Potencias
LED 25W
Ópticas
Spot: 12°, 24°, 36°
TT Color
3000K blanco cálido - CRI ≥ 90
4000K blanco neutro - CRI ≥ 90
Flujo nominal
25W - 2800 lm
Equipos
Electrónico (EL)
IP
IP20
Acabados
Negro [04]
Gris plata [27]
Gris antracita [22]
Blanco [63]
Cobre [83]
Dorado [92]
Alimentación
220 - 240V, 50/60Hz
Instalación
Carri electrificado trifásico

1.2 Luxcan

Características: 

Acabados: 
Para completar la referencia de producto, añadir acabado

LED y Equipo incorporado

type of lamp specific features

25W
12°
carri ³
2800 lm
3000 K 11.1523.9312
4000 K 11.1523.9412
25W
24°
carri ³
2800 lm
3000 K 11.1523.9324
4000 K 11.1523.9424
25W
36°
carri ³
2800 lm
3000 K 11.1523.9336
4000 K 11.1523.9436

Features integrated with the reference

Measurements in this catalogue are given in millimetres.

Watts (W) and lumens (lm) are nominal.

4 RECESSED LINEARS



Essence
p. 174



X-Line
p. 176

5 SURFACE DOWNLIGHTS



Tubular
p. 180



Pipe
p. 188

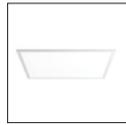


Basic S
p. 190

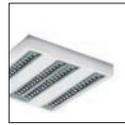
6 SURFACE LUMINAIRES



Smartpanel
p. 194



Panel
p. 194



Ledlouwer
p. 196



Soft Light
p. 198



Meteor
p. 200



Lotos Elegance
p. 202

7 SURFACE LINEARS



Essence
p. 206



X-Line
p. 210



Snake LED
p. 214



Shoplevel
p. 216



Ledline
p. 222

8 WALL SCNCES



Eclipse
p. 226



Orbit
p. 228



X Line Wall
p. 230



Flex
p. 232

9 INDUSTRIAL



Astrea
p. 236



Orion
p. 238



Aries
p. 240



Nix
p. 242



Rubin Sport
p. 244

10 LINEALED



FlexilLED
p. 248



Lightline
p. 252



Neonled
p. 254



Perfiled
p. 256

HEALTH & CARE



p. 264



Agat LED
p. 268



Rubin LED
p. 272

OUT

1 SPOTLIGHTS



Ledmotiv
p.276



Canal S
p. 282



Tube
p. 286



Beam
p. 286



Fargo
p. 290



Single
p. 290

2 POLES



Riddle
p. 296



Streetpark
p. 298



Kubik Pole L
p. 300



Kubik Pole T
p. 300



Filar
p. 302



Pareo
p. 304

3 BOLLARDS



Riddle
p.308



Polar
p. 310



Mark
p.312



Kubik Pole 4D
p.314



Kubik Pole Soft
p.314

4 RECESSED



Mini-up
p. 318



Small-up
p. 320



Atlante
p. 322



Canal
p. 326



e-Wall
p. 328



Num
p. 330

5 SURFACE



Riddle S
p. 334



Luxwall
p. 336



Beryl Proof
p. 338



Kubik
p.340



Apliques
p.342

CONTROL

1 SWITCHES & REMOTE CONTROLS



p. 350

2 SENSORS



p. 353

3 DIMMING DEVICES



p. 355

4 POWER SUPPLY DEVICES



p. 356

IN

ARCHITECTURAL p. 14

TRACKLIGHTS p. 64

RECESSED DOWNLIGHTS p. 82

RECESSED LUMINAIRES p. 138

RECESSED LINEARS p. 154

SURFACE DOWNLIGHTS p. 166

SURFACE LUMINAIRES p. 178

SURFACE LINEARS p. 182

WALL SCONCES p. 206

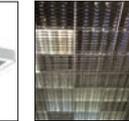
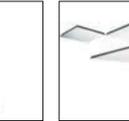
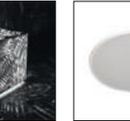
INDUSTRIAL p. 234

LINEALED p. 246

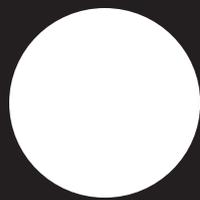
HEALTH & CARE p. 262

A

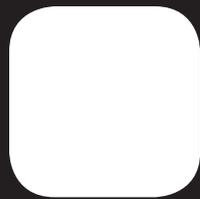
ARCHITECTURAL

									
Artshape Round LED p. 16	Artshape SQ LED p. 18	Artshape Three LED p. 20	Artshape Six LED p. 22	Paralum p. 24	Mosaic p. 34	Araña p. 38	Flying Surface p. 46	Palmera p. 54	Patos p. 60

Modern and architectural luminaire based on neutral shapes to simulate geometric figures and create modern designs with simple shapes. Especially designed for those rooms with high stylistic requirements.



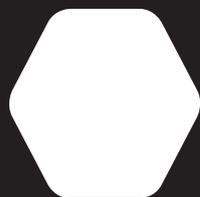
Round



SQ



Three



Six

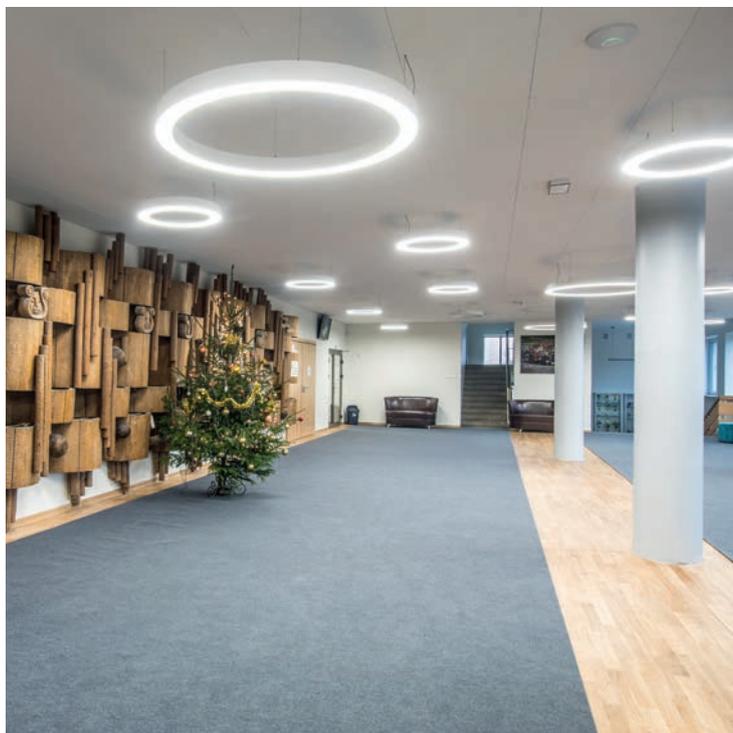


Modern and architectural circular luminaire that allows create modern and neutral designs. Artshape Round is especially designed for spaces with high stylistic requirements, such as atriums hotels, office receptions, studios of architecture, conference rooms or halls and corridors in exclusive buildings, theatres or retail spaces in shopping centres.

Features

Body made of thin-walls aluminium profile; it mounts highly efficient LED light sources and a high-quality diffuser with a very good light transmission-factor surface and good diffusion parameters.

Luminaire designed to be mounted on the ceiling (on demand) or suspended.



Power

LED 25W, 35W, 50W, 71W, 93W

Beam

110°, 115°

Colour temperature

4000K neutral white - CRI ≥ 80

Nominal lumen output

25W - 3000 lm, 35W - 4500 lm, 93W - 12000 lm,
50W - 6000 lm, 71W - 9000 lm

Control gear

Electronic (EL)

IP

IP40 - IK04

Finishes

White

Supply voltage

220... 240V, 50/60Hz

Installation

Hanging (1,5 m suspension included)
Ceiling surface mounted on demand

Features



Finishes

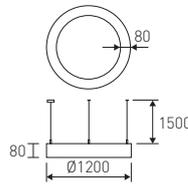
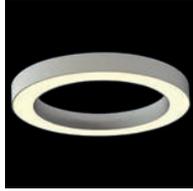


Versions:

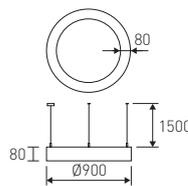
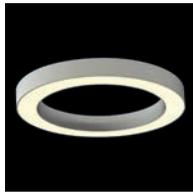
3000K versions on demand
 DALI Dimmable versions on demand
 Ceiling surface mounted versions on demand

Artshape Round LED

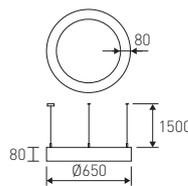
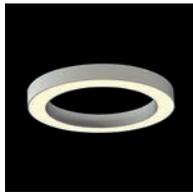
LED
 110°
 1,5 m suspension included
 LED and control gear included



<input type="checkbox"/>	<input type="checkbox"/>
50W	93W
110°	110°
control gear EL	control gear EL
6000 lm	12000 lm
4000K AG0SRLPU60W219Z	4000K AG0SRLPU120W219Z

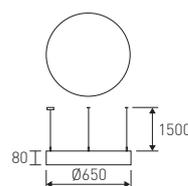


<input type="checkbox"/>	<input type="checkbox"/>
35W	70W
110°	110°
control gear EL	control gear EL
4500 lm	9000 lm
4000K AG0SRMPU45W219Z	4000K AG0SRMPU90W219Z



<input type="checkbox"/>
25W
110°
control gear EL
3000 lm
4000K AG0SRSPU30W219Z

LED
 115°
 1,5 m suspension included
 LED and control gear included



<input type="checkbox"/>
71W
115°
control gear EL
9000 lm
4000K AG0SRSPU90W219Z

Modern and architectural square luminaire that allows create modern and neutral designs. Artshape SQ is especially designed for spaces with high stylistic requirements, such as atriums hotels, office receptions, studios of architecture, conference rooms or halls and corridors in exclusive buildings, theatres or retail spaces in shopping centres.

Features

Body made of thin-walls aluminium profile; it mounts highly efficient LED light sources and a high-quality diffuser with a very good light transmission-factor surface and good diffusion parameters.

Luminaire designed to be mounted on the ceiling (on demand) or suspended.



Power

LED 32W, 50W, 65W, 93W, 123W

Beam

110°, 115°

Nominal lumen output

4000K neutral white - CRI ≥ 80

Nominal lumen output

32W - 4000 lm, 50W - 6000 lm, 123W - 16000 lm,
65W - 8000 lm, 93W - 12000 lm

Control gear

Electronic (EL)

IP

IP40 - IK04

Finishes

White

Supply voltage

220... 240V, 50/60Hz

Installation

Hanging (1,5 m suspension included)
Ceiling surface mounted on demand

Features



Finishes

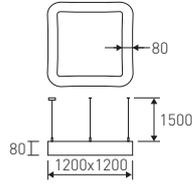


Versions:

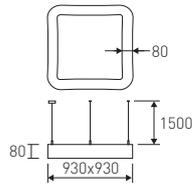
3000K versions on demand
 DALI Dimmable versions on demand
 Ceiling surface mounted versions on demand

Artshape SQ LED

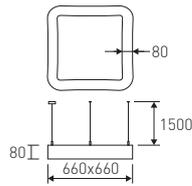
LED
 110°
 1,5 m suspension included
 LED and control gear included



□	65W 110° control gear EL 8000 lm 4000K AG0SFLPU80W219Z	□	123W 110° control gear EL 16000 lm 4000K AG0SFLPU160W219Z
---	---	---	--

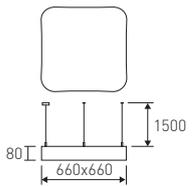
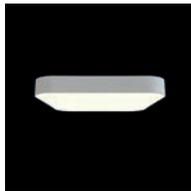


□	50W 110° control gear EL 6000 lm 4000K AG0SFMPU60W219Z	□	92W 110° control gear EL 12000 lm 4000K AG0SFMPU120W219Z
---	---	---	---



□	32W 110° control gear EL 4000 lm 4000K AG0SFSPU40W219Z
---	---

LED
 115°
 1,5 m suspension included
 LED and control gear included



□	93W 115° control gear EL 12000 lm 4000K AG0SFSPE120W219Z
---	---

Modern and architectural triangular luminaire that allows create modern and neutral designs. Artshape Three is especially designed for spaces with high stylistic requirements, such as atriums hotels, office receptions, studios of architecture, conference rooms or halls and corridors in exclusive buildings, theatres or retail spaces in shopping centres.

Features

Body made of thin-walls aluminium profile; it mounts highly efficient LED light sources and a high-quality diffuser with a very good light transmission-factor surface and good diffusion parameters.

Luminaire designed to be mounted on the ceiling (on demand) or suspended.



Power

LED 25W, 35W, 50W, 55W, 70W, 92W

Beam

110°, 115°

Nominal lumen output

4000K neutral white - CRI ≥ 80

Nominal lumen output

25W - 3000 lm, 35W - 4500 lm, 70W - 9000 lm,
50W - 6000 lm, 55W - 6000 lm, 92W - 12000 lm

Control gear

Electronic (EL)

IP

IP40 - IK04

Finishes

White

Supply voltage

220... 240V, 50/60Hz

Installation

Hanging (1,5 m suspension included)
Ceiling surface mounted on demand

Features



Finishes



Versions:

3000K versions on demand
 DALI Dimmable versions on demand
 Ceiling surface mounted versions on demand

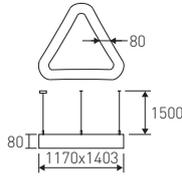
Artshape Three LED

LED



1,5 m suspension included

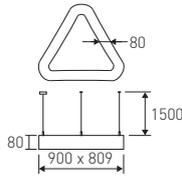
LED and control gear included



50W
 110°
 control gear EL
 6000 lm
 4000K **AG0STLPU60W219Z**



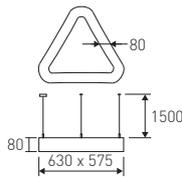
92W
 110°
 control gear EL
 12000 lm
 4000K **AG0STLPU120W219Z**



35W
 110°
 control gear EL
 4500 lm
 4000K **AG0STMPU45W219Z**



70W
 110°
 control gear EL
 9000 lm
 4000K **AG0STMPU90W219Z**



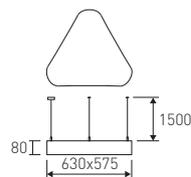
25W
 110°
 control gear EL
 3000 lm
 4000K **AG0STSPU30W219Z**

LED



1,5 m suspension included

LED and control gear included



55W
 115°
 control gear EL
 6000 lm
 4000K **AG0STSPE60W219Z**

Modern and architectural hexagonal luminaire that allows create modern and neutral designs. Artshape six is especially designed for spaces with high stylistic requirements, such as atriums hotels, office receptions, studios of architecture, conference rooms or halls and corridors in exclusive buildings, theatres or retail spaces in shopping centres.

Features

Body made of thin-walls aluminium profile; it mounts highly efficient LED light sources and a high-quality diffuser with a very good light transmission-factor surface and good diffusion parameters.

Luminaire designed to be mounted on the ceiling (on demand) or suspended.



Power

LED 25W, 35W, 50W, 70W, 93W

Beam

110°, 115°

Nominal lumen output

4000K neutral white - CRI ≥ 80

Nominal lumen output

25W - 3000 lm, 35W - 4500 lm, 93W - 12000 lm,
50W - 6000 lm, 70W - 9000 lm

Control gear

Electronic (EL)

IP

IP40 - IK04

Finishes

White

Supply voltage

220... 240V, 50/60Hz

Installation

Hanging (1,5 m suspension included)
Ceiling surface mounted on demand

Features



Finishes



Versions:

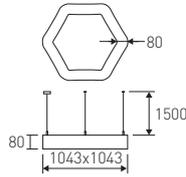
3000K versions on demand
 DALI Dimmable versions on demand
 Ceiling surface mounted versions on demand

Artshape Six LED



1,5 m suspension included

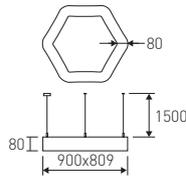
LED and control gear included



50W
 110°
 control gear EL
 6000 lm
 4000K **AG0SSLPU60W219Z**



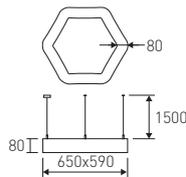
93W
 110°
 control gear EL
 12000 lm
 4000K **AG0SSLPU120W219Z**



35W
 110°
 control gear EL
 4500 lm
 4000K **AG0SSMPU45W219Z**



70W
 110°
 control gear EL
 9000 lm
 4000K **AG0SSMPU90W219Z**

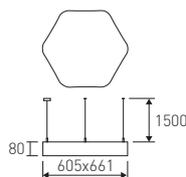


25W
 110°
 control gear EL
 3000 lm
 4000K **AG0SSSPU30W219Z**



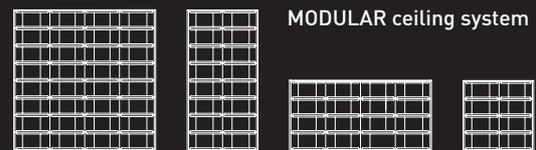
1,5 m suspension included

LED and control gear included



71W
 115°
 control gear EL
 8400 lm
 4000K **AG0SSSPE84W219Z**

Luxiona and Jean Nouvel have joined forces to create Paralum, an exclusive, innovative comprehensive ceiling and surround lighting system. Paralum is a new system of modular ceiling that includes the lighting system, a play of subtlety that shows the magic of reflections of light and shadow.



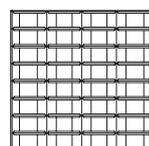


This lighting system is made up of a folding grating ceiling, which general and accent lighting modules can be placed into, as well as smoke detection, acoustics, air-conditioning and sprinkler modules, which have a built-in fire-fighting system. The French architect understands light as a building material that can create atmospheres and transmit emotions through its versatility.



Modular ceiling system

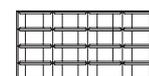
The main idea is to create a decorative false ceiling made of 600x600mm modulated specular aluminum louvers. Louvers can be 600x300, 300x600 and 300x300. Louvers are fixed with special profiles joined together by metal pieces and springs. The ceiling system allows you to create a real ceiling with lighting, air conditioning, sprinkler, fire alarm and smoke detectors.



600 x 600



300 x 600



600 x 300

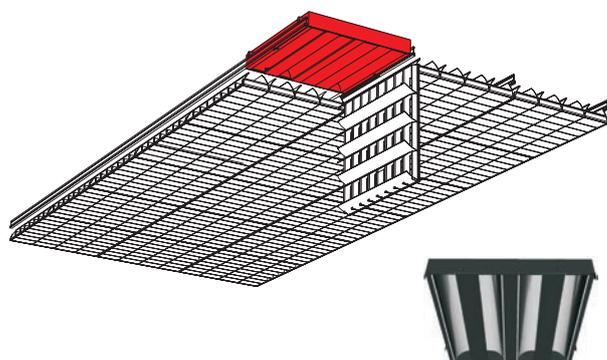


300 x 300

PARALUM lighting modules

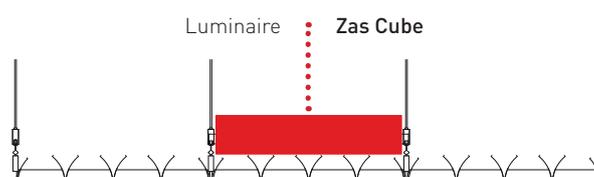
General lighting modules

Luminaire of 2x24W T16 lamps. Made of stamped steel and aluminum, consists of a main black pressed steel frame. Two Optical system for each lamp. No direct light emission. All other support components are made of pressed steel plate painted in black. There are two versions of luminaire: adjustable DALI and DALI + emergency. The luminaire is installed on the roof PARALUM placing it, at the top of the roof.



Accent lighting modules

Made of black stamped steel. Zas Cube is installed on the PARALUM ceiling. Maximum of 4 luminaires per module.



PARALUM modules

PARALUM air conditioning modules

Made of specular aluminum has the same dimensions as the basic grid 600x600 mm. It has the same appearance but at the top is designed to facilitate the exit of the air conditioning. The diffuser plenum is at the top. The diffuser and plenum is not included.

PARALUM Support for Sprinkler and smoke detectors modules

Made of stamped steel and painted black. The modules support sprinkler and smoke detector installed in the ceiling PARALUM placing them at the top inside of the roof, supporting them in the profiles and fixed with screws.

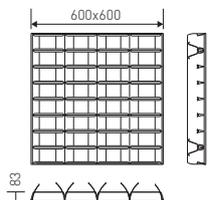
PARALUM Support for emergency lighting modules

Black Stamped Steel support for emergency. Installed on the top of the PARALUM ceiling. There are two versions depending on whether you want to install the banner profiles, longitudinally or transversally clip-in.

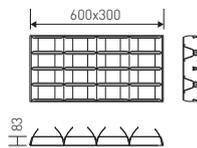
Features



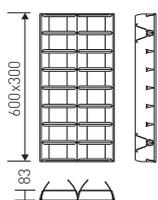
Louvers



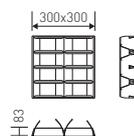
Specular aluminium
4x8 grid
CL1/0101/34



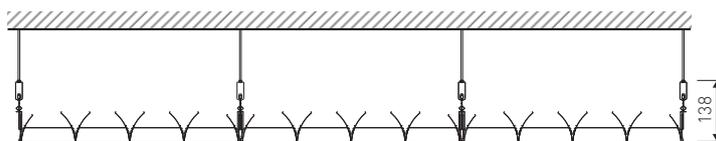
Specular aluminium
4x4 grid
CL1/0102/34



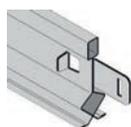
Specular aluminium
2x8 grid
CL1/0103/34



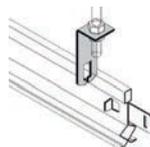
Specular aluminium
2x4 grid
CL1/0106/34



Jonit elements



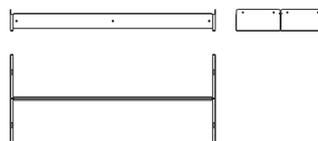
Profile
L= 3600mm
Galvanized steel
15 pieces / box
3100713600



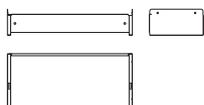
Suspension
ROD M6 L = 1 M
Includes nut M6
Galvanized steel
11PAR/512



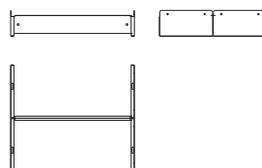
Simple support 600
Galvanized steel
CL1/0201/00



Double support 600
Galvanized steel
CL1/0202/00



Simple support 300
Galvanized steel
CL1/0204/00



Double support 300
Galvanized steel
CL1/0205/00

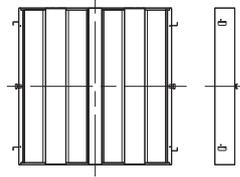


Clamp mounting
Galvanized steel
CL1/0203/00

Features



General lighting modules



LED 36W 4800lm
indirect light
control gear ELD
3000K **CL1/0306/04**
4000K **CL1/0307/04**



CL1/ 0308/20 - Perfiled al 550mm IP20 RGB OPAL 8W + reflector
CL1/ 0309/20 - Perfiled al 1150mm IP20 RGB OPAL 15W + reflector

Paralum colour effects modules

Perfiled bracket for Paralum installation - RGB (2 un)
CL1/0408/04

Adjustable joint-ball - Perfiled RGB
CL1/0410/04

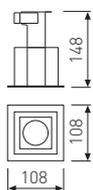
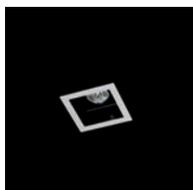
Single-spacer bracket for installation 8w Perfiled perpendicular to support profiles
CL1/0409/04

Double-spacer bracket for installation 8w Perfiled perpendicular to support profiles
CL1/0411/04

Accent lighting modules

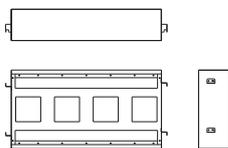


GU10



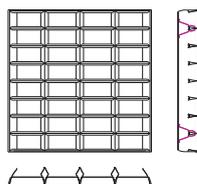
■
máx. 50W
11.0452.0001.21

For lamp LED

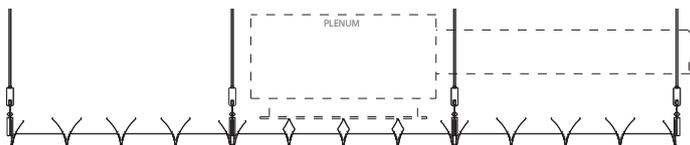


Paralum installation accessory for Zas Cube
Steel plate
CL1/0303/04

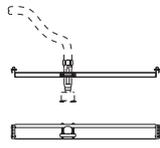
Air conditioning modules



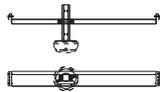
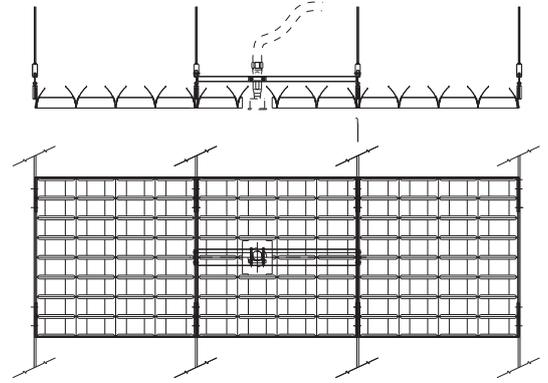
Air grille conditioning
Specular aluminium
CL1/0305/34



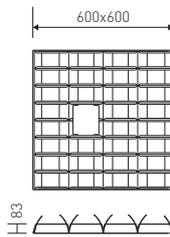
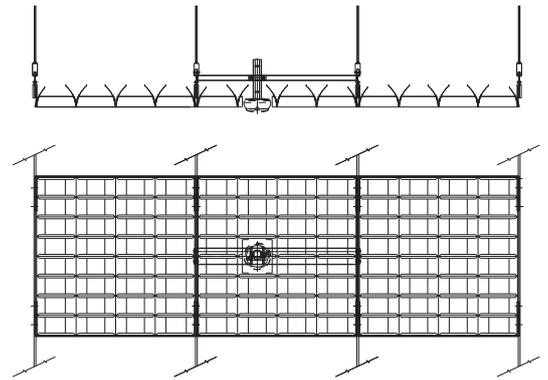
Smoke and Sprinkler detectors modules



Sprinkler
not included
CL1/0401/04

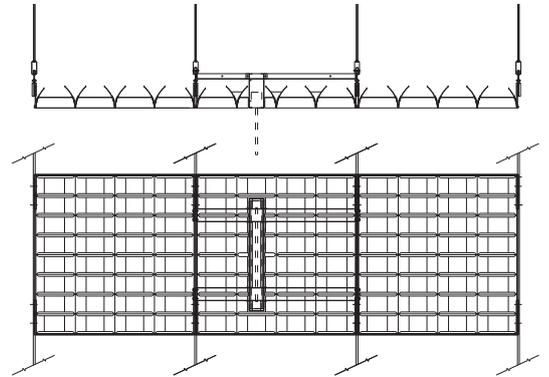
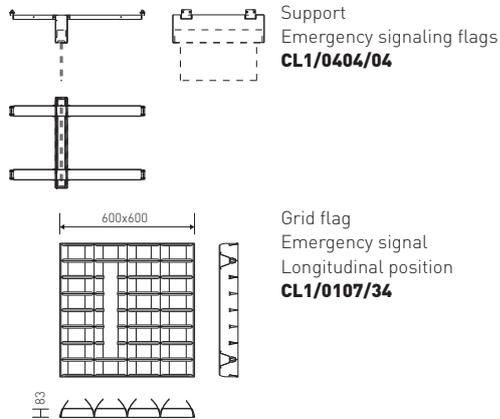


Smoke detectors
not included
CL1/0402/04

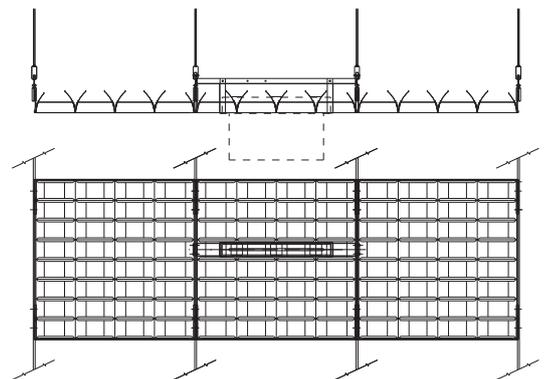
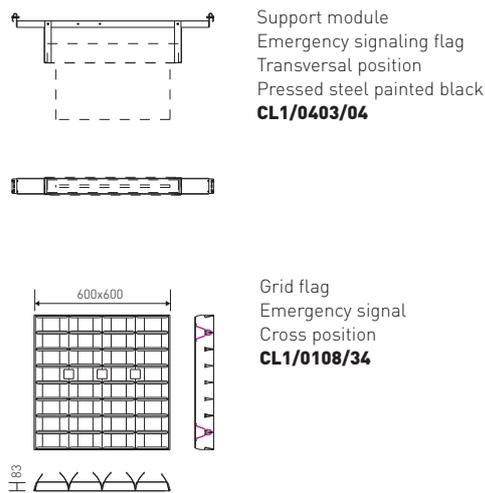


Sprinkler grille and
smoke detector
CL1/0104/34

Emergency lighting modules (longitudinally)



Emergency lighting modules (transversally)



PARALUM module side panel cladding

- CL1/0209/04** STRAIGHT End cap 300 mm
- CL1/0206/04** STRAIGHT End cap 600 mm
- CL1/0210/04** STRAIGHT End cap 1200 mm

- CL1/0217/04** End cap 300 mm EXTERIOR MITRE JOINT
- CL1/0207/04** End cap 600 mm EXTERIOR MITRE JOINT

- CL1/0215/04** End cap 300 mm INTERIOR MITRE JOINT
- CL1/0214/04** End cap 600 mm INTERIOR MITRE JOINT

- CL1/0211/04** End cap 300 mm DOUBLE INTERIOR + EXTERIOR MITRE JOINT
- CL1/0212/04** End cap 600 mm DOUBLE INTERIOR + EXTERIOR MITRE JOINT

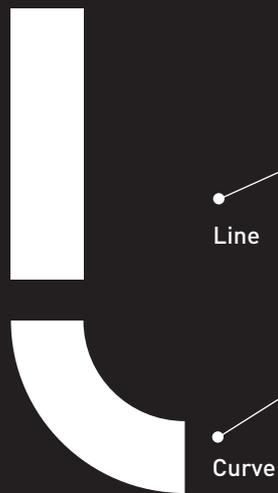
- CL1/0218/04** End cap 300 mm DOUBLE INTERIOR MITRE JOINT
- CL1/0208/04** End cap 600 mm DOUBLE INTERIOR MITRE JOINT

- CL1/0216/04** End cap 300 mm DOUBLE EXTERIOR MITRE JOINT
- CL1/0213/04** End cap 600 mm DOUBLE EXTERIOR MITRE JOINT





Architectural and stylistic concept to create light patterns on modular ceilings that allow to escape of monotony, Mosaic offers a good system for general light that combines functionality of lighting and a unique aesthetic due to the possibility of using colour diffusers or LED.





Designed system for modular ceilings based on 2 elements: a curved one and a linear. The combination of these two elements provides unlimited possibilities of lighting layouts inside. The location of the segments can be modified at any time through the specific rotation of the ceiling panels. Due to the possibility of using colour diffusers or RGB LED strips it is possible to obtain some additional colour effects. The LED system can be easily dimmed providing additional energy savings.

**Power**

LED 8W, 13W

Nominal lumen output4000K neutral white - CRI \geq 80**Nominal lumen output**

Line 8W - 1300 lm, 13W - 2200 lm

Curve 8W - 1100 lm, 13W - 1800 lm

Control gear

Not included. See accessories

IP

IP20 - IK04

Finishes

White

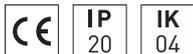
Supply voltage

220... 240V, 50/60Hz

Installation

Recessed on modular ceilings

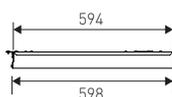
Features



Finishes



LED

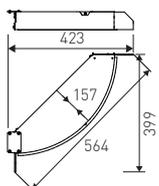


□
8W/13W
control gear EL
1300 lm / 2200 lm
4000K **AG00SMEPL2213APLX**

□
8W/13W
control gear ELDD
1300 lm / 2200 lm
4000K **AG00SMEPL2213APLXD**

LED included

LED



□
8W/13W
control gear EL
1100 lm / 1800 lm
4000K **AG00SMELL1811APLX**

□
8W/13W
control gear ELDD
1300 lm / 1800 lm
4000K **AG00SMELL1811APLXD**

LED included

Accessories

Control gear

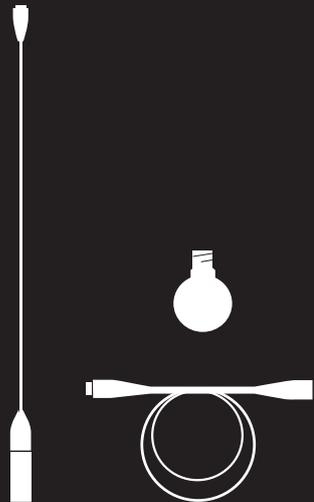
EL 8W
EL 13W
ELDD 8W
ELDD 13W

AG00SME-ZEA1
AG00SME-ZEB1
AG00SME-ZDA1
AG00SME-ZDB1

Cutting templates

Line 8W
Curve 13W

AG00SMPZ300-SZ
AG00SLR300-SZ



Araña is a project born from the collaboration between Jean Nouvel and TROLL. Araña gives total freedom for each client to become the creator of his or her own style.



The idea is to be able to place the lighting system wherever desired, with the final design depending on the creativity of each person.

Araña is an adventurous lighting solution, which challenges the individual's creativity and imagination to create their own style with total freedom... a style of lighting with total freedom.



Atelier Jean Nouvel, France

Power

E27 max.70W - incandescent or LED

Control gear

Electronic (EL)

IP

IP20

Finishes

White (33)

Black (04)

Supply voltage

220... 230V, 50/60Hz

Installation

Ceiling

Accessories

Fixing

Box

Connection element, easily-installed on the ceiling and allowing up to 10 luminaires to be simultaneously connected depending on lighting and aesthetic requirements.

Elements of box connection

The necessary connection elements are not supplied with the connection box, as these will depend on the number of luminaires to be used. Therefore, the box should be prepared prior to installation with the necessary connection elements (reference 23/5200).

- Once the box is prepared, it is mounted on the ceiling by means of fixing points.

**Luminaires**

Suspended luminaires by cables joined to the connection box which allow the point of light to be placed at the desired position, height and intensity.

- The system has several types of luminaires: simple; with dimmer feature; with height regulator.
- Also available are fixing elements and expandable which make the system more flexible.
- E27 LED lamps with different shapes.

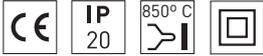
**Accessories**

Fixing points to suspend and place the luminaire where desired.

- Elements which allow for luminaire to be extended to area to be lit. Cable length 1.5 metres.
- Finish: White, black



Features

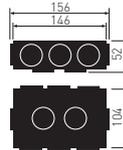


Finish



To complete the product reference, add finish

Box



10 covers per box are included
20/5200

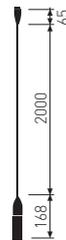
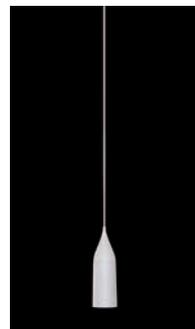
Connector
23/5200

Surface base for single Araña installation. (connector included)
23/5200B



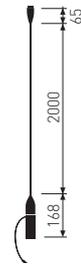
Luiminaires

LED E27



Suspended luminaire
E27 max.70W
5200

Suspended dimmer luminaire
E27 max.70W
5200D

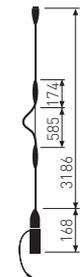


LED E27

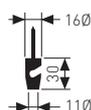


Suspended luminaire with height regulation
E27 max.70
5200/P

Suspended dimmer luminaire with height regulation
E27 max.70W
5200D/P

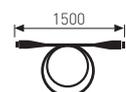


Accessories



Fixing point
21/5200
Each unit comprises 5 pieces

Extension element
22/5200



Lamps E27 (dimmable)

LED



6W
2700K **LM/G8006922/D**



8W
2700K **LM/G12508922/D**



8W
2700K **LM/ST5808922/D**

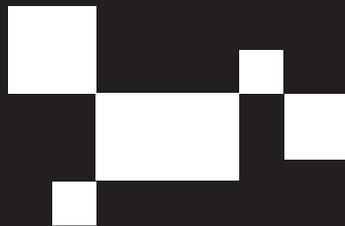


Nu Clinic, Spain





Flying Surface is project that arose as a result of the design collaboration between Jean Nouvel and TROLL. The point that architecture and design have in common is that both exist to fulfil a need, and this is what differentiates them from other forms of Art.





Flying Surface arises from the idea of creating light surfaces to simulate the feeling they are floating in the space. The final result is spectacular. Flying Surface provides a high degree of uniformity of light to create a unique aesthetic for the illuminated area and allows the light visually to play with its forms and its architectural purity.

Features

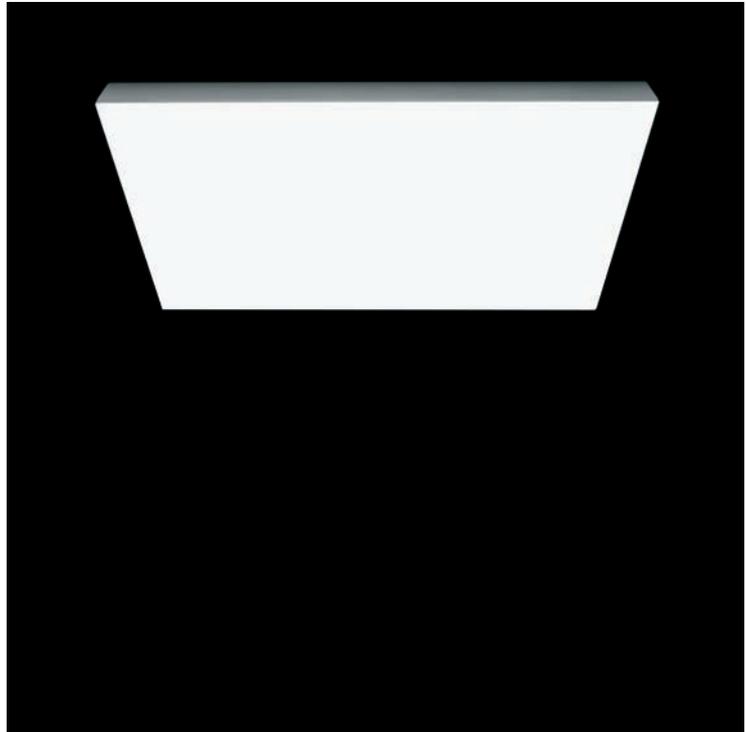
Steel sheet chassis painted in a white colour. Internal high-pressure laminate treatment. White textile outer diffuser with polymer base.

Fitting

Surface installation, directly to ceiling or wall.

May be installed on exposed tee ceilings using accessory 47/02/33.

Suspended installation via height-adjustable steel cable using accessory 47/01/33.



Fendi Foundation Rome
Picture from Filippo Francescangeli

Power

LED 9,9W, 54W, 216W, 327W

Beam

106°

Colour temperature

3000K warm white - CRI \geq 80

4000K neutral white - CRI \geq 80

Nominal lumen output

9,9W - 880 lm, 54W - 5040 lm, 216W - 20160 lm, 327W - 30240 lm

Control gear

Electronic Dimmer DALI (ELDD)

IP

IP20

Finishes

White (33)

Supply voltage

220... 240V, 50/60Hz

Installation

Wall, Ceiling

Accessories

Suspension set

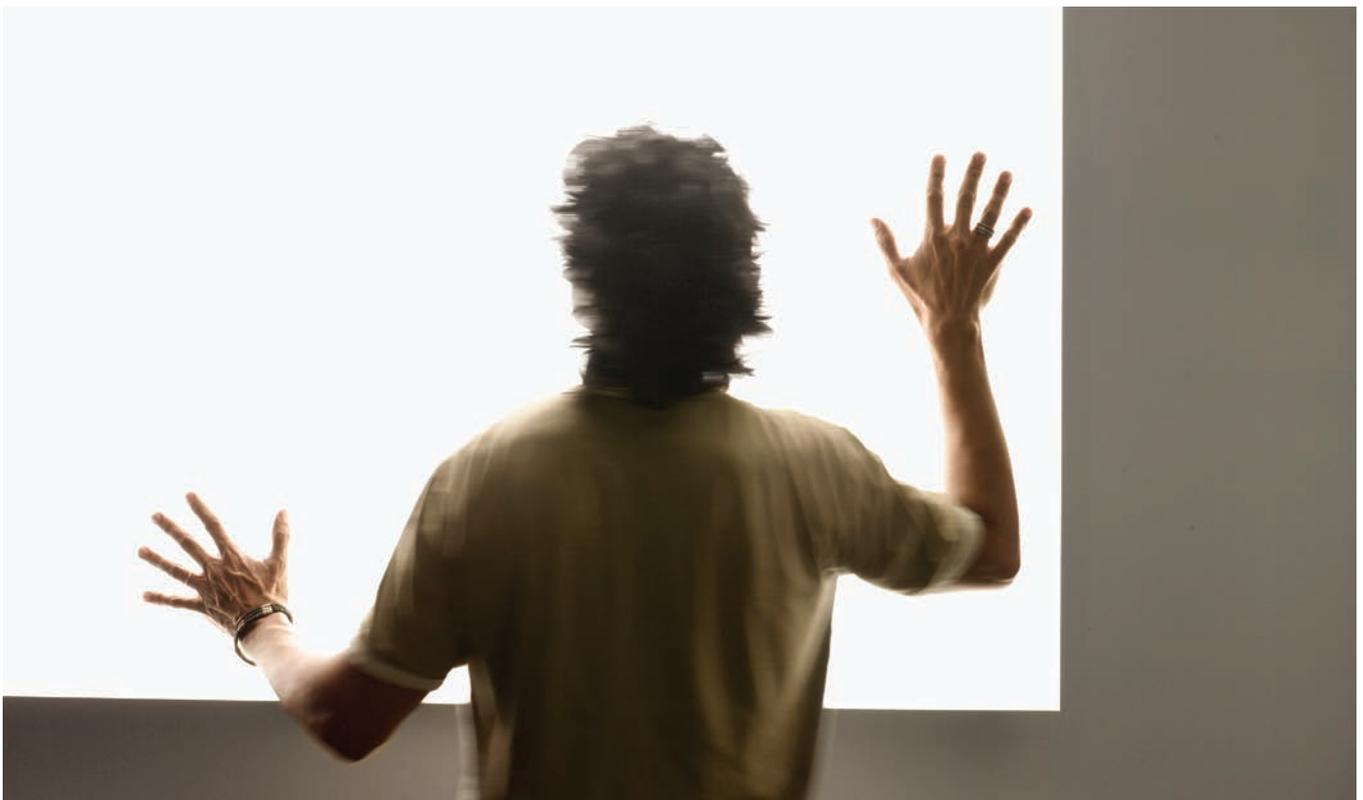
Alignment tracks to attach to modular ceilings

Flying Surface is a new project that basically deals with the essence of light. A new concept that highlights a plane of light near the plane of the wall. The size of the surface, or the geometry, makes the light become highly indeterminate, uncertain of where it ends and never revealing its true shape.

Made from a stretched fabric which becomes a floating surface radiating light when lit. When there is no light, it is a white fabric, as abstract as an artist's canvas waiting for the paint.

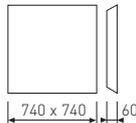
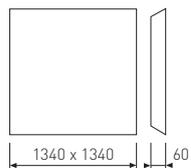
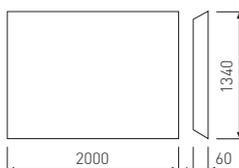


“ The most important thing is the nature of the item, its essence” *Jean Nouvel*



Features

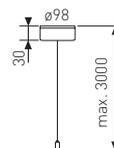


<p>LED</p> <p>106°</p> <p>LED and control gear included</p>		 <p>370 x 370</p>	<p>□</p> <p>9.9W 106° control-gear ELDD 880 lm 3000K 47/L0383DD/33 4000K 47/L0384DD/33</p>
<p>106°</p> <p>LED and control gear included</p>		 <p>740 x 740</p>	<p>□</p> <p>54W 106° control-gear ELDD 5040 lm 3000K 47/L0783DD/33 4000K 47/L0784DD/33</p>
<p>106°</p> <p>LED and control gear included</p>		 <p>1340 x 1340</p>	<p>□</p> <p>216W 106° control-gear ELDD 20160 lm 3000K 47/L1383DD/33 4000K 47/L1384DD/33</p>
<p>106°</p> <p>LED and control gear included</p>		 <p>2000</p> <p>1340</p>	<p>□</p> <p>327W 106° control-gear ELDD 30240 lm 3000K 47/L2083DD/33 4000K 47/L2084DD/33</p>

Suspension set



Suspension cable (max. 3 metres).
Height regulating pieces in stainless steel and white fleuron.
(4 units)
47/01/33



Alignment tracks to attach to modular ceilings.
(4 units)
47/02/33

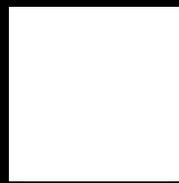


Fendi Foundation Rome - Picture from Filippo Francescangeli





With the goal of evoking natural light, TROLL and Jean Nouvel present Palmera. Watching it, you feel as though you are under the very same palm tree, feeling absolute calm and a gentle breeze. It is poetry, just as light is in nature. According to Jean Nouvel, "it's an ideal lamp for taking a nap."





Palmera functions by rotating an inner cylinder, which projects various shapes on the walls, reminiscent of natural light breaking through the leaves of palm trees moved by a gentle breeze. The French architect discusses functional light, which can be transformed to transmit emotions.



Power

LED QT14 - G9 3,5W

Colour temperature

3000K warm white - CRI \geq 80

Nominal lumen output

350 lm

IP

IP20

Finishes

Black (04)

White (33)

Cooper (85)

Gold (92)

Supply voltage

220... 230V, 50/60Hz

Installation

Table

Features

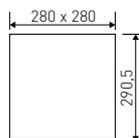


Finishes



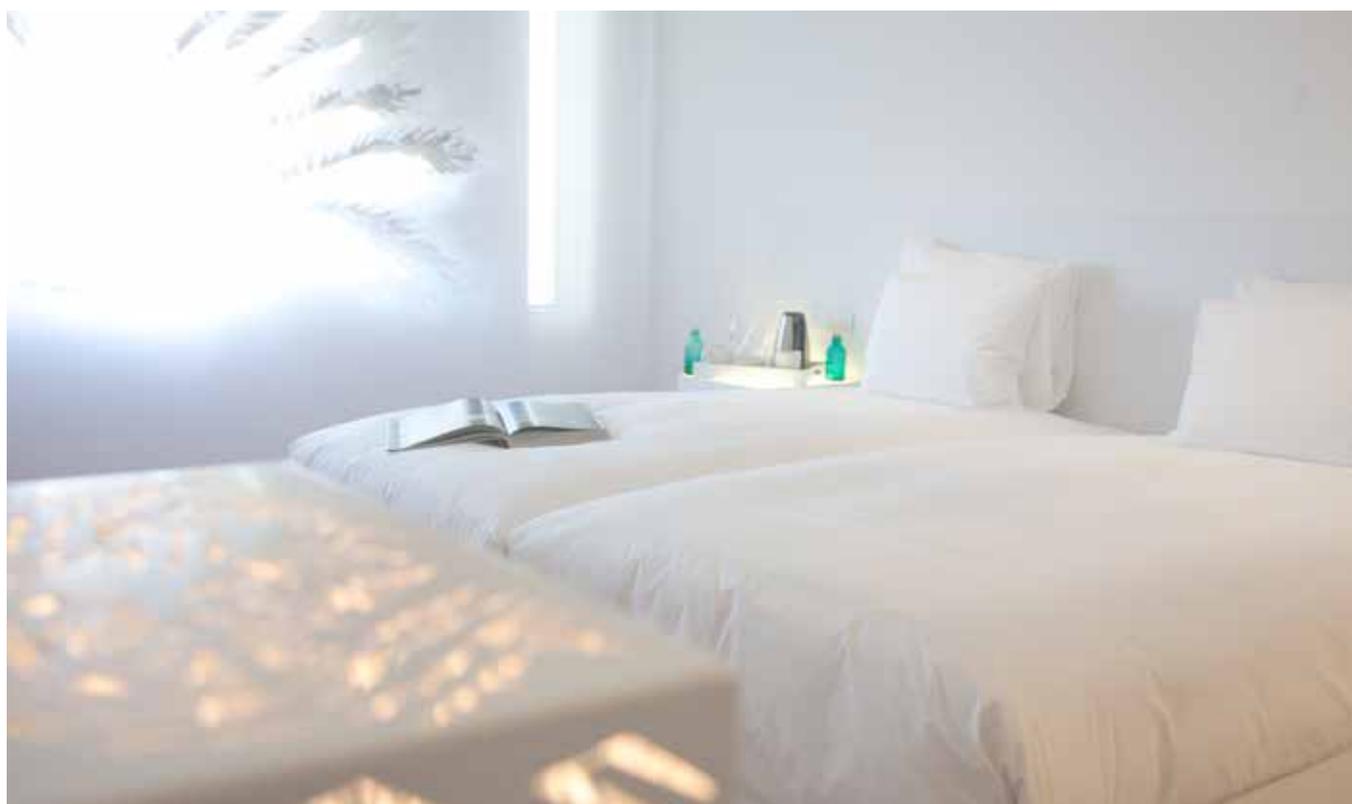
To complete the product reference, add finish

QT14 - G9



3,5W
350 lm
3000K **11.4694.0001.**

Lamp included



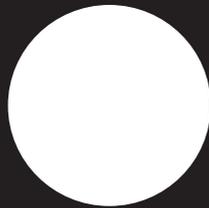
Renaissance Barcelona Fira Hotel, Spain





•

Luminaires designed to create spaces with character by using high quality and architectural lighting. "Patos Line" is perfect to give an actual and modern touch to museums, galleries, offices, clubs, restaurants and hotels.





informacja

<< Poradnia Genetyczna
<< Pracownia Mammografii

Large format luminaires for plaster ceiling installation. Its pure shape makes it integrate well in all kinds of environments. Ideal for lighting large spaces like hotel lobbies or hospitals, theatres halls, stations or airports and shopping centres.

Features

Body made of aluminium and prismatic diffuser with an excellent coefficient of light transmission. LED and electronic driver integrated in the luminaire.

**Power**

LED from 60W to 90W

Beam

115°

Colour temperature

4000K neutral white - CRI \geq 80

Nominal lumen output

60W - 8400 lm, 70W - 9800 lm,
90W - 12600 lm, 140W - 19600 lm

Control gear

Electronic (EL)

IP

IP20

Finishes

White

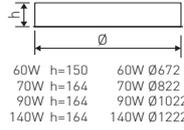
Supply voltage

220...230V, 50/60Hz

Installation

Recessed ceiling

Features



LED and control gear included

□
60W
8400 lm
drill Ø676
4000K **AG0A1POFLEDAPLX21**

□
70W
9800 lm
drill Ø826
4000K **AG0A1POGLEDAPLX21**

□
90W
12600 lm
drill Ø1026
4000K **AG0A1POHLEDAPLX21**

□
140W
19600 lm
drill Ø1226
4000K **AG0A1POILEDAPLX21**



IN

ARCHITECTURAL p. 14

TRACKLIGHTS p. 64

RECESSED DOWNLIGHTS p. 100

RECESSED LUMINAIRES p. 158

RECESSED LINEARS p. 172

SURFACE DOWNLIGHTS p. 178

SURFACE LUMINAIRES p. 192

SURFACE LINEARS p. 204

WALL SCONCES p. 224

INDUSTRIAL p. 234

LINEALED p. 246

HEALTH & CARE p. 262

1

TRACKLIGHTS



Lumbo
p. 66



Lightpod
p. 70



Vector
p. 72



Luxcan C
p. 76



Luxcan R
p. 78



mini Luxcan
p. 80



T-Tris Line
p. 82



T-Tris Box
p. 84



T-Tris L/T
p. 86



Spoty
p. 88



SDIV
p. 92



Easy
p. 94



Tracks
p. 96

Architecture is like music, a visual symphony based on the cadence and order among its elements that lead to scenic rhythm and spatial harmony. In this scenario, light represents the pentagram where the melody of the architecture flows, and Lumbo is one of the notes of this musical composition, in balance and consonance with the architectural space in which it flows as a visual music integrated into the whole with natural simplicity.

Nothing is casual in the conception of Lumbo. The design has been thought-out to illuminate without becoming preeminent, but integrating into the environment without its invasion, rather being part of it. Lumbo is a discreet design without concessions to frivolity, a concept where the inevitable clash between function and form leads to discover the essential.





Spherical format spotlight conceived for projects where visual density is an important factor to keep in mind. Lumbo has been especially designed to live in colonies without contributing to the architectural visual saturation. Lumbo fulfils the primary function of lighting the space, providing order and harmony to the architectural whole, avoiding the spatial arrhythmia generated by the standard spotlight orientation. Lumbo is an avant-garde design setting the latest advances in technology:

- Gear integrated in the track adaptor.
- Premium White LEDs (PW) with high colour rendering that makes it ideal for lighting retail spaces, exhibition areas, hotels...
- The "Total Orientation System" is simple and intuitive allowing to be adjusted with one hand to rotate 355 ° and tilt 90 °.

Features

Spherical monobloc projector made of Die-cast aluminium with high quality finishes and optical system based on high efficiency reflectors. The whole body works like heat-sink improving the working efficiency of the LED to optimize energy consumption. Gear is integrated within the three-phase adapter.



LED personalisation

Option to incorporate new light sources designed to offer excellent colour reproduction to create products for very specific segments. On request.



Power

LED 12W, 29W

Beam

15°, 25°, 40°

Colour temperature

PW 3000K warm white - CRI ≥ 90

PW 4000K neutral white - CRI ≥ 90

Nominal lumen output

12W - 1920 lm, 29W - 3870 lm

Control gear

Electronic (EL)

IP

IP20

Finishes

Black (04)

White (63)

Supply Voltage

220...240V, 50/60Hz

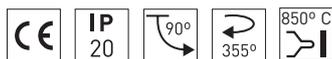
Installation

Three-phase track

Accessories

Honeycomb mesh

Features



Finishes



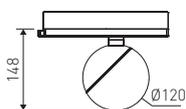
Versions:

Special LED versions on request

To complete the productreference, add finish
Standard finishes are white (.63) and black (.04), other finishes on demand



LED and control gear included



<input type="checkbox"/> <input type="checkbox"/> 12W 15° track 3 1750 lm 3000K PW 11.1426.1311 4000K PW 11.1426.1411	<input type="checkbox"/> <input type="checkbox"/> 12W 25° track 3 1750 lm 3000K PW 11.1426.1321 4000K PW 11.1426.1421	<input type="checkbox"/> <input type="checkbox"/> 12W 40° track 3 1750 lm 3000K PW 11.1426.1341 4000K PW 11.1426.1441
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<input type="checkbox"/> <input type="checkbox"/> 28W 15° track 3 3500 lm 3000K PW 11.1426.3311 4000K PW 11.1426.3411	<input type="checkbox"/> <input type="checkbox"/> 28W 25° track 3 3500 lm 3000K PW 11.1426.3321 4000K PW 11.1426.3421	<input type="checkbox"/> <input type="checkbox"/> 28W 40° track 3 3500 lm 3000K PW 11.1426.3341 4000K PW 11.1426.3441
---	---	---

Accessories

Honeycomb mesh
11.1426.0001.04



Reference options

11.1426.1411.63



11.1426.



1- 12W
3- 29W



0- Fashion
1- Vegetables
2- 2700K
3- 3000K PW
4- 4000K PW
5- 5000K
6- Meat
7- Sausages
8- Fish
9- Bakery



11- 15°
21- 25°
41- 40°



04- Black
22- Anthracite
27- Grey
63- White
85- Copper
92- Gold

Lightpod is especially designed for a specialised public that needs elements that favour the experience of purchasing and enhance the firm's brand image.

**LED personalisation**

Option to incorporate new light sources designed to offer excellent colour reproduction to create products for very specific segments. On request.

**Power**

LED 13W, 25W, 37W

Beam

LED 14°, 24°, 34°

Colour temperature3000K warm white - CRI \geq 904000K neutral white - CRI \geq 90**Nominal lumen output**

LED 13W - 1700 lm, 25W - 3000 lm, 37W - 4400 lm

Control gear

Electronic (EL)

IP

IP20

Finishes

White (33)

Black (04)

Grey (21)

Supply Voltage

220... 230V, 50/60Hz

Installation

Three-phase track, base

Accessories

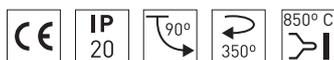
Base

Lightpod LED includes an optical system with a faceted specular reflector, with different light distributions: intensive, medium or extensive, and a high level of chromatic generation (CRI ≥ 90).

Housings made of high-pressure injected aluminium and polycarbonate. With high-purity aluminium reflectors. The ball-joints adjust the tilt to 90° and rotation to 350°. The control gears are integrated in the fixture. Includes adapter.



Features



Finishes



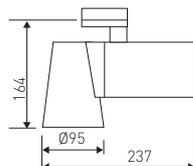
To complete the product reference, add finish

Versions:

Special LED versions on request
DIMMER versions on request
2700K and 5000K versions on request



LED and control gear included



13W 14° track ³ /track ^{3e} 1700 lm 3000K 898/29310 4000K 898/29410	13W 24° track ³ /track ^{3e} 1700 lm 3000K 898/29320 4000K 898/29420	13W 34° track ³ /track ^{3e} 1700 lm 3000K 898/29340 4000K 898/29440

25W 14° track ³ /track ^{3e} 3000 lm 3000K 898/39310 4000K 898/39410	25W 24° track ³ /track ^{3e} 3000 lm 3000K 898/39320 4000K 898/39420	25W 34° track ³ /track ^{3e} 3000 lm 3000K 898/39340 4000K 898/39440

Accessories



Surface base for spotlights with tree-phase adapter
2427

37W 14° track ³ /track ^{3e} 4400 lm 3000K 898/49310 4000K 898/49410	37W 24° track ³ /track ^{3e} 4400 lm 3000K 898/49320 4000K 898/49420	37W 34° track ³ /track ^{3e} 4400 lm 3000K 898/49340 4000K 898/49440

Reference options

898/20020/33



898/ /

2- 13W 3- 25W 4- 37W	00- Fashion 01- Vegetables 02- 2700K 03- 3000K 04- 4000K 05- 5000K 06- Meat 07- Sausages 08- Fish 09- Bakery	10- 14° 20- 24° 40- 34°	04- Black 21- Grey 33- White
----------------------------	---	-------------------------------	------------------------------------

Reference options for control gear

898/ D/
D= Dim 1-10V

898/ DD/
DD= DALI

Vector is a projector born from the pure essence of technology. Vector solves the need to control the light in a precise way with a simple and efficient concept. Ideal for application in museums, jewellery, hotels, retail fashion...

Features

Single-piece cylindrical projector built in extruded aluminium. The whole body of the luminaire functions as a heat sink, which allows for the integration of the system in its interior. A single-axis guidance system allows for a 355 and 90-degree inclination turn. Optical system composed by individual LEDs with collimating lens, and asymmetrical or elliptical technical diffusers. The elliptical version allows for a 90-degree turn of the diffusers, which enables guidance of the projected LED ellipse and incorporated system.



Mykita, Spain

Power

LED 10W, 13W, 24W

Beam

spot 7°, elliptical 50° + 20°, asymmetric 15°^a

Colour temperature

3000K warm white - CRI ≥ 90

4000K neutral white - CRI ≥ 90

Nominal lumen output

10W - 1400 lm, 13W - 1800 lm, 24W - 2100 lm

Control gear

Electronic (EL)

IP

IP20

Finishes

Black (04)

White (63)

Supply Voltage

220...240V, 50/60Hz

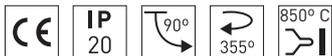
Installation

Three-phase track

Accessories

Base

Features



Finishes

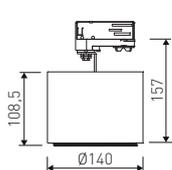


To complete the product reference, add finish

Versions:

2700K and 5000K versions on request
DIMMER versions on request

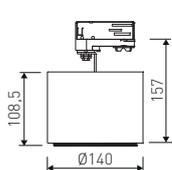
LED



10W
spot 7°
track ³
1400 lm
3000K **11.1536.0031**
4000K **11.1536.0041**

LED and control gear included

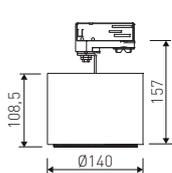
LED



13W
elliptical 50° + 20°
track ³
1800 lm
3000K **11.1536.0032**
4000K **11.1536.0042**

LED and control gear included

LED



24W
asymmetric 15°
track ³
2100 lm
3000K **11.1536.0033**
4000K **11.1536.0043**

LED and control gear included

Accessories



Surface base for spotlights with
three-phase adapter
2427



Cylindrical LED projector for high quality luminous projection. Timeless design with full integration of the equipment into the projector without auxiliary gear box. A high degree of integration of various architectural spaces is achieved with no detrimental effect on their aesthetics. Ideal for accent applications in commercial spaces, window dressing and numerous indoor spaces.



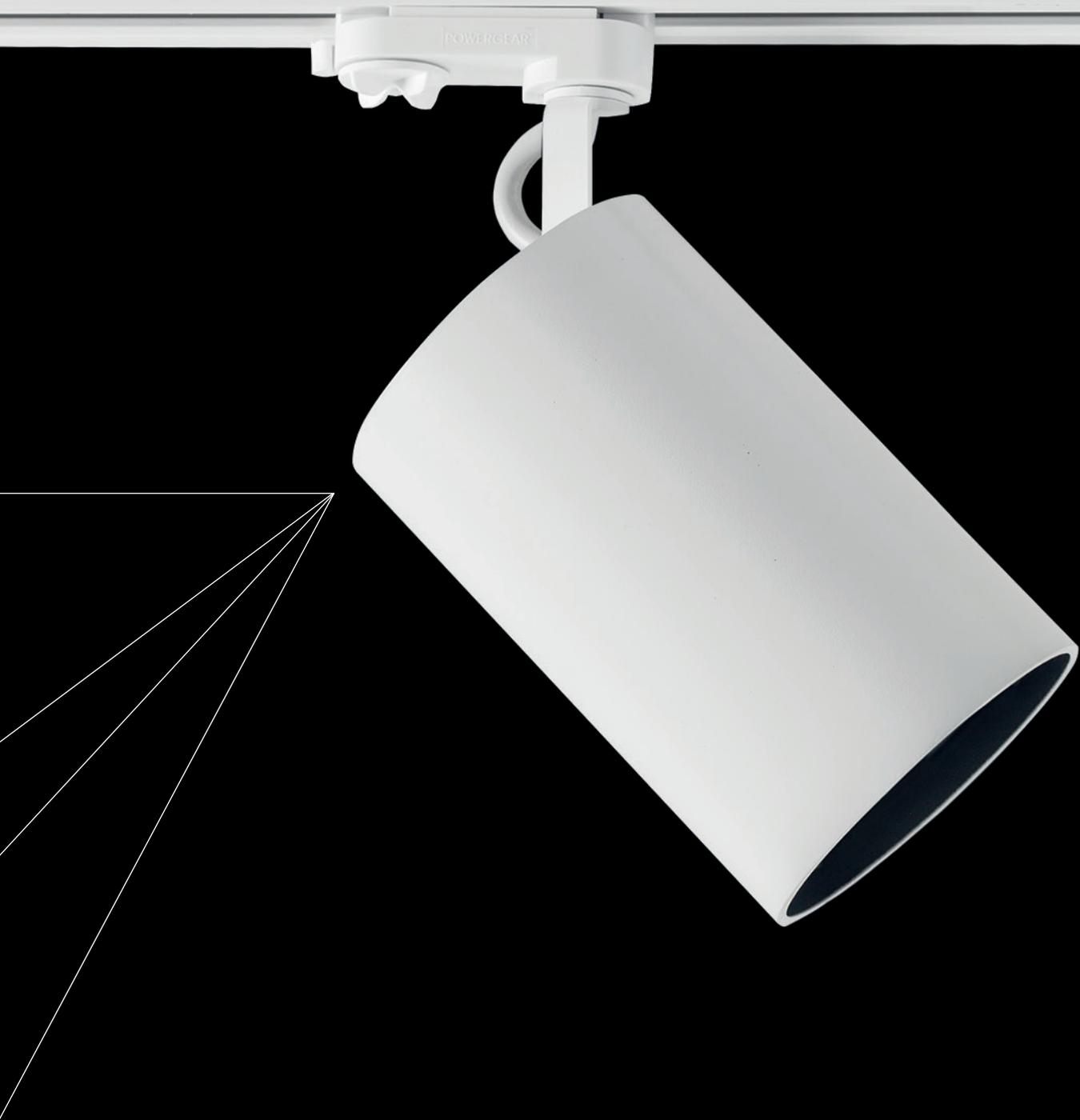
Luxcan C



Luxcan R



Luxcan MINI



A range of projectors that are simple to use, dependable, minimalist in size and of a timeless design. They can be easily integrated into a diverse range of architectural spaces without interfering with the existing aesthetics.

Luxcan C has a universal appearance and integrates the most sophisticated LED light sources with a variety of lenses suited for projection applications in commercial spaces, window dressing or large interior spaces.

Features

Made from aluminium, it incorporates a single-axis orientation system that allows vertical tilting of 90° and horizontal rotation of 355°.

Auxiliary equipment is integrated into the adapter and hidden in the rail. This helps to reduce the amount of space occupied by the projector while taking advantage of the concept of a "Vision Free System". The LED technology employed, together with the separation of the driver from the LED, provides a long service life, facilitates maintenance of the luminous flux and ensures a constant rate of chromatic reproduction throughout the life of the product. Available in semi-intensive and extensive versions that integrate faceted reflectors made from high purity aluminium.



LED personalisation

Option to incorporate new light sources designed to offer excellent colour reproduction to create products for very specific segments. On request.



Power

LED 12W, 28W

Beam

15°, 25°, 40°

Color temperature

3000K warm white - CRI ≥ 90

4000K neutral white - CRI ≥ 90

Nominal lumen output

12W - 1800 lm, 28W - 3600 lm

Control gear

Electronic (EL)

IP

IP20

Finishes

Black (04)

Grey antracite (22)

Grey silver(27)

White (63)

Cobre (85)

Gold (92)

Supply voltage

220... 240V, 50/60Hz

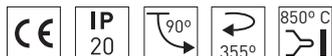
Installation

Three-phase electric track and bus

Accessories

Honeycomb mesh

Features



Finishes

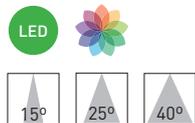


Versions:

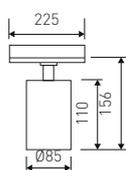
Special LED versions on request
2700K and 5000K versions on request

To complete the product reference, add finish
Standard finishes are white (.63) and black (.04), other finishes on demand

Luxcan C



LED and control gear included



Finish	Power	Beam Angle	Track	Light Output	Color Temp	Product Code
Black (.04)	12W	15°	track ³	1800 lm	3000K	11.1710.1311
Black (.04)	12W	25°	track ³	1800 lm	4000K	11.1710.1411
Black (.04)	12W	40°	track ³	1800 lm	3000K	11.1710.1341
Black (.04)	12W	40°	track ³	1800 lm	4000K	11.1710.1441
Black (.04)	28W	15°	track ³	3600 lm	3000K	11.1710.2311
Black (.04)	28W	25°	track ³	3600 lm	4000K	11.1710.2411
Black (.04)	28W	40°	track ³	3600 lm	3000K	11.1710.2321
Black (.04)	28W	40°	track ³	3600 lm	4000K	11.1710.2421
Black (.04)	28W	40°	track ³	3600 lm	3000K	11.1710.2341
Black (.04)	28W	40°	track ³	3600 lm	4000K	11.1710.2441

Accessories

11.1710.0004.04
Honeycomb mesh



Single-piece cylindrical projector built in extruded aluminium. Different high quality Axalta paint finishes are available. The whole body of the luminaire functions as a heat sink, which allows for the integration of the system in its interior. A single-axis guidance system allows for a 355 and 90-degree inclination turn. The optical system is composed of a polycarbonate lens which casts a perfect beam without halos. LED and equipment incorporated.

Features

Monobloc projector integrated by a cylindrical body of extruded aluminium with finishes of high quality Axalta paint. The whole body of the luminaire performs the function of heat-sink, allowing set gear inside. Orientation system is based on a single axis, which allows the rotation of 355° and tilting 90°. Optical system based on high reflectors efficiency. LED and gear built-in.



LED personalisation

Option to incorporate new light sources designed to offer excellent colour reproduction to create products for very specific segments. On request.



Power

LED 13W, 25W

Beam

12°, 24°, 36°

Colour temperature

3000K warm white - CRI ≥ 80

4000K neutral white - CRI ≥ 80

Nominal lumen output

13W - 2000 lm, 25W - 3500 lm

Control gear

Electronic (EL)

IP

IP20

Finishes

Black (04)

Anthracite (22)

Grey (27)

White (63)

Copper (85)

Gold (92)

Supply Voltage

220...240V, 50/60Hz

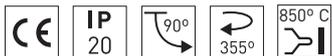
Installation

Three-phase track

Accessories

Base, honeycomb mesh

Features



Finishes

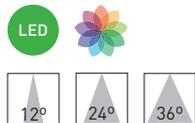


To complete the product reference, add finish
Standard finishes are white (.63) and black (.04), other finishes on demand

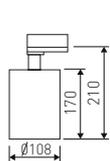
Versions:

Special LED versions on request
DIMMER versions on request
2700K and 5000K versions on request
Versions for vertical track on request

Luxcan R



LED and control gear included



13W
12°
track 3
2000 lm
3000K **11.1523.8362**
4000K **11.1523.8462**



13W
24°
track 3
2000 lm
3000K **11.1523.8364**
4000K **11.1523.8464**



13W
36°
track 3
2000 lm
3000K **11.1523.8366**
4000K **11.1523.8466**

25W
12°
track 3
3500 lm
3000K **11.1523.8312**
4000K **11.1523.8412**

25W
24°
track 3
3500 lm
3000K **11.1523.8324**
4000K **11.1523.8424**

25W
36°
track 3
3500 lm
3000K **11.1523.8336**
4000K **11.1523.8436**

Accessories



Surface base for spotlights with
tree-phase adapter
2427



Honeycomb mesh
11.1523.0002.04



Reference options

11.1523.8312.85



11.1523.



8- On/Off
2- Dim 1-10V
3- DALI



0- Fashion
1- Vegetables
2- 2700K
3- 3000K
4- 4000K
5- 5000K
6- Meat
7- Sausages
8- Fish
9- Bakery



62- 12° -13W
64- 24° -13W
66- 36° -13W
12- 12° -25W
24- 24° -25W
36- 36° -25W



04- Black
22- Anthracite
27- Grey
63- White
85- Copper
92- Gold

Cylindrical-spotlight family designed with great formal simplicity. Mini Luxcan integrates the most sophisticated LED light sources and a variety of suitable optics for accent applications in hotels, private residences, bars, restaurants, cafeterias, and any space requiring small format projection elements.

Features

Built in aluminium, it incorporates a single-axel orientation system that allows tilting 90° and rotates 355°. Gear is integrated into the adapter becoming hidden into the track. This reduces to the minimum the busy volume by the projector in the space maximizing the "Vision Free System" concept. Optical system based on polycarbonate lenses that allows define a perfect beam, without halos. LED and gear integrated.



Power

LED 14W

Beam

15°, 32°, 50°

Colour temperature

2700K warm white - CRI ≥ 90

3000K warm white - CRI ≥ 90

4000K neutral white - CRI ≥ 90

Nominal lumen output

14W - 1600 lm

Control gear

Electronic (EL)

IP

IP20

Finishes

Black (04)

Anthracite (22)

Grey (27)

White (63)

Copper (85)

Gold (92)

Supply Voltage

220...240V, 50/60Hz

Installation

Three-phase track

Features



Finishes

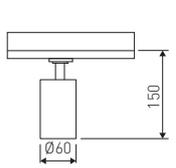


To complete the product reference, add finish
Standard finishes are white (.63) and black (.04), other finishes on demand

Luxcan Mini

LED

LED and control gear included



Finish	Power	Beam Angle	Track	Length	Color Temp	Product Code
Black (.04)	14W	15°	track 3	1600 lm	2700K	11.1839.1921
Black (.04)	14W	32°	track 3	1600 lm	2700K	11.1839.1923
Black (.04)	14W	50°	track 3	1600 lm	2700K	11.1839.1925
Black (.04)	14W	15°	track 3	1600 lm	3000K	11.1839.1931
Black (.04)	14W	32°	track 3	1600 lm	3000K	11.1839.1933
Black (.04)	14W	50°	track 3	1600 lm	3000K	11.1839.1935
Black (.04)	14W	15°	track 3	1600 lm	4000K	11.1839.1941
Black (.04)	14W	32°	track 3	1600 lm	4000K	11.1839.1943
Black (.04)	14W	50°	track 3	1600 lm	4000K	11.1839.1945



T-Tris Line concept is based on minimalism and versatility of its design to achieve total integration in the space. Luminaires designed for LED light sources, taking advantage of its small dimensions to achieve a compact and reduced aesthetic.

Features

Extruded aluminum profile. High purity, specular aluminum reflector recovers the flux of light for greater performance.
Translucent methacrylate diffuser (PMMA) or high-purity aluminium reflector with polycarbonate diffuser.

Fitting

Recessed ceiling.
Fitted as an independent module and forming continuous lines.



Power

15W, 19,5W, 20W, 24W, 27W, 29W, 34W and 40W

Beam

75°

Colour temperature

3000K warm white - CRI ≥ 80
4000K neutral white - CRI ≥ 80

Nominal lumen output

2250 lm, 2700 lm, 3100 lm, 3600 lm, 4050 lm, 4670 lm

Control gear

Electronic (EL)
Electronic Dimmer DALI (ELDD)

IP

IP40

Finishes

Black (04)
White (33)
Grey (21)

Supply voltage

220... 240V, 50/60Hz

Installation

Three-phase track

Features



Translucent polycarbonate diffuser (PMMA)

Finishes



To complete the product reference, add finish

T-Tris Line



LED and control gear included



15W -20W L = 885
19,5W - 27W L = 1120
24W - 34W L = 1400
29W - 40W L = 1685

15W
75°
control gear EL
2258 lm
3000K **11.1671.3101**
4000K **11.1671.3102**

15W
75°
control gear ELDD
2258 lm
3000K **11.1671.3105**
4000K **11.1671.3106**

20W
75°
control gear EL
3100 lm
3000K **11.1671.3103**
4000K **11.1671.3104**

20W
75°
control gear ELDD
3100 lm
3000K **11.1671.3107**
4000K **11.1671.3108**

19,5W
75°
control gear EL
2700 lm
3000K **11.1671.3201**
4000K **11.1671.3202**

19,5W
75°
control gear ELDD
2700 lm
3000K **11.1671.3205**
4000K **11.1671.3206**

27W
75°
control gear EL
3600 lm
3000K **11.1671.3203**
4000K **11.1671.3204**

27W
75°
control gear ELDD
3600 lm
3000K **11.1671.3207**
4000K **11.1671.3208**

24W
75°
control gear EL
3150 lm
3000K **11.1671.3301**
4000K **11.1671.3302**

24W
75°
control gear ELDD
3150 lm
3000K **11.1671.3305**
4000K **11.1671.3306**

34W
75°
control gear EL
4050 lm
3000K **11.1671.3303**
4000K **11.1671.3304**

34W
75°
control gear ELDD
4050 lm
3000K **11.1671.3307**
4000K **11.1671.3308**

29W
75°
control gear EL
3600 lm
3000K **11.1671.3401**
4000K **11.1671.3402**

29W
75°
control gear ELDD
3600 lm
3000K **11.1671.3405**
4000K **11.1671.3406**

40W
75°
control gear EL
4670 lm
3000K **11.1671.3403**
4000K **11.1671.3404**

40W
75°
control gear ELDD
4670 lm
3000K **11.1671.3407**
4000K **11.1671.3408**

T-Tris Box opens a new way for lighting commercial spaces. T-Tris Box offers flexibility and integration in the electrified track simplifying the lighting solution of Retail space. The range of formats and powers, together with the wide variety of available optics, make T-Tris Box the ideal solution for the general lighting of commercial spaces.

T-Tris Box adds ambience to your store, introduce contrast and help the easy identify the different areas of a commercial space. T-Tris Box is easy to install and can be easily adaptable to the changing needs of a commercial space, being able to highlight in the most adequate way each of the products exposed in the commercial area, especially combined with the other T-Tris lighting system elements (T-Tris line, T-Tris L, Brick...)

It is much more efficient than the traditional continuous lines of light since it allows to place discrete points of light where light is necessary and adapt the consumption to the real needs of each space of the store.

Features

Body built in steel sheet paint finish with lenses made og polimetyl metacrilate.



Power

LED 19W, 28,8W, 38,4W, 57,6W, 77W

Beam

30°, 60°, 90°, 111°, double asymmetric, asymmetric L, asymmetric R, diffuse

Colour temperature

4000K neutral white - CRI > 80

Nominal lumen output

19W – 3228 lm, 28,8W – 4842 lm, - 38,4W – 6456 lm, 57,6W – 9684 lm, 77W – 12942 lm

Control gear

Electronic (EL)

Electronic dimmable (ELD) on request

IP

IP44

Finishes

Black (04)

Grey (21)

White (63)

Supply Voltage

220...240V, 50/60Hz

Installation

Three-phase track

Features



Finishes

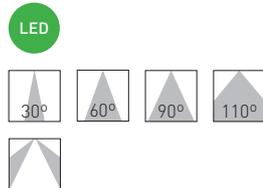


To complete the product reference, add finish

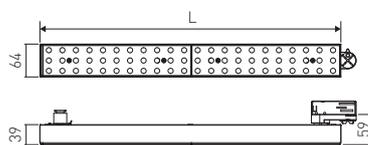
Versions:

Special LED versions on request
DIMMER versions on request
2700K, 3000K and 5000K on request

T-Tris Box



LED and control gear included



19W L=578
28,8W L=864
38,4W L=1150



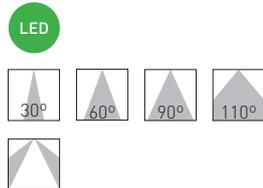
19W
3228 lm
4000K
64 x 578
Track³
30° **11.1670.1411**
60° **11.1670.1421**
90° **11.1670.1431**
110° **11.1670.1441**
Double asym. **11.1670.1451**
Asym.R **11.1670.1461**
Asym.L **11.1670.1471**
Diffuse **11.1670.1481**



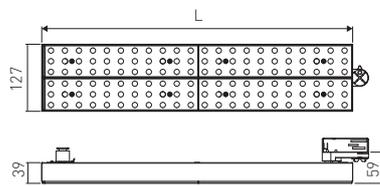
28,8W
4842 lm
4000K
64 x 864
Track³
30° **11.1670.2411**
60° **11.1670.2421**
90° **11.1670.2431**
110° **11.1670.2441**
Double asym. **11.1670.2451**
Asym.R **11.1670.2461**
Asym.L **11.1670.2471**
Diffuse **11.1670.2481**



38,4W
6456 lm
4000K
64 x 1150
Track³
30° **11.1670.3411**
60° **11.1670.3421**
90° **11.1670.3431**
110° **11.1670.3441**
Double asym. **11.1670.3451**
Asym.R **11.1670.3461**
Asym.L **11.1670.3471**
Diffuse **11.1670.3481**



LED and control gear included



38,4W L=578
57,6W L=864
77W L=1150



38,4W
6456 lm
4000K
127 x 578
Track³
30° **11.1670.4411**
60° **11.1670.4421**
90° **11.1670.4431**
110° **11.1670.4441**
Double asym. **11.1670.4451**
Asym.R **11.1670.4461**
Asym.L **11.1670.4471**
Diffuse **11.1670.4481**



57,6W
9684 lm
4000K
127 x 864
Track³
30° **11.1670.5411**
60° **11.1670.5421**
90° **11.1670.5431**
110° **11.1670.5441**
Double asym. **11.1670.5451**
Asym.R **11.1670.5461**
Asym.L **11.1670.5471**
Diffuse **11.1670.5481**



77W
12912 lm
4000K
127 x 1150
Track³
30° **11.1670.6411**
60° **11.1670.6421**
90° **11.1670.6431**
110° **11.1670.6441**
Double asym. **11.1670.6451**
Asym.R **11.1670.6461**
Asym.L **11.1670.6471**
Diffuse **11.1670.6481**



T-Tris L is a powerful unidirectional wallwasher ideal for lighting vertical planes uniformly, smoothly and effectively in any environment.

T-Tris T is a powerful bidirectional wallwasher ideal for lighting both lateral vertical planes in corridors in a uniform, smooth and effective way.

Indirect light minimizes glare, creating a bright environment where light and attention are completely concentrated on the displayed products.

Features

Body made of steel sheet with surface powder-painted. Orientation system allows rotation 355°. Driver integrated in the projector. It sets high efficiency LED and high quality aluminium reflector with asymmetrical light projection.



LED personalisation

Option to incorporate new light sources designed to offer excellent colour reproduction to create products for very specific segments. On request.

Power

LED 17W - 31,5W

Beam

Asymmetric

Colour temperature

3000K warm white - CRI ≥ 90

4000K neutral white - CRI ≥ 90

Nominal lumen output

17W - 2730 lm, 31,5W - 4500 lm

Control gear

Electronic (EL)

IP

IP20

Finishes

Black (04)

White (63)

Supply Voltage

220...240V, 50/60Hz

Installation

Three-phase track

Features



Finishes



To complete the product reference, add finish
Standard finishes are white (.63) and black (.04), other finishes on demand

Versions:
Special LED versions on request
DIMMER versions on request
2700K and 5000K versions on request

T-Tris L

LED and control gear included



■ □
17W
asymmetric
track ³ / track ^{3e}
2730 lm
3000K **11.1833.1311**
4000K **11.1833.1411**

■ □
31,5W
asymmetric
track ³ / track ^{3e}
4500 lm
3000K **11.1833.2311**
4000K **11.1833.2411**

T-Tris T

LED and control gear included



■ □
2 x 17W
2 x asymmetric
track ³ / track ^{3e}
2 x 2730 lm
3000K **11.1833.3311**
4000K **11.1833.3411**

■ □
2 x 31,5W
2 x asymmetric
track ³ / track ^{3e}
2 x 4500 lm
3000K **11.1833.4311**
4000K **11.1833.4411**

Reference options

11.1833.2323.04



11.1833.



- 1 - L 17W
- 2 - L 31,5W
- 3 - T 2x17W
- 4 - T 2x31,5W



- 0- Fashion
- 1- Vegetables
- 2- 2700K
- 3- 3000K
- 4- 4000K
- 5- 5000K
- 6- Meat
- 7- Sausages
- 8- Fish
- 9- Bakery



- 1- Asymmetric



- 1- On/Off
- 2- Dim 1-10V
- 3- DALI



- 04- Black
- 63- White

Family of cylindrical projectors and big formal simplicity that thank to a timeless design allows a high degree of integration in many architectural spaces without interfere in their aesthetics.

Under a universal appearance, Spoty, integrates the most sophisticated LED light sources and different perspective accent that makes a more suitable application in commercial spaces, window displays or large indoor spaces.

Features

Constructed of aluminum. It incorporates a system of orientation by fork allowing a vertical turn of 90° and a 360° horizontal rotation.

The applied LED technology gives them a long service life, a luminous flow maintenance and a color rendering index over the life of the product.

Available in both semi-intensive and extensive that integrate faceted reflectors in high purity aluminum. LED auxiliary equipment are integrated into the body of the luminaire.



LED personalisation

Option to incorporate new light sources designed to offer excellent colour reproduction to create products for very specific segments. On request.



Power

LED 13W, 25W, 37W

Beam

13W - 12°, 24°, 36°

25W - 12°, 24°, 36°

37W - 20°, 40°

25W, 37W - Wall washer

Color temperature

3000K warm white - CRI ≥ 80

4000K neutral white - CRI ≥ 80

Nominal lumen output

13W - 2000 lm, 25W - 3500 lm, 37W - 5100 lm

Control gear

Electronic (EL)

Electronic Dimmer (ELD)

Electronic Dimmer DALI (ELDD)

IP

IP20

Finishes

White (63)

Grey (21)

Black (04)

Supply voltage

220... 240V, 50/60Hz

Installation

Three-phase electric track and bus

Accessories

Base

Features



Finishes



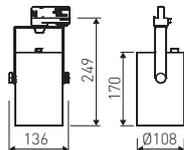
To complete the product reference, add finish

Versions:

Special LED versions on request
 DIMMER versions on request
 2700K and 5000K versions on request

LED

LED and control gear included



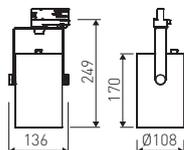
■ ■ ■	■ ■ ■	■ ■ ■
13W 12° control-gear EL track ³ /track ^{3e} 2000 lm 3000K 11.1823.8362 4000K 11.1823.8462	13W 12° control-gear ELD track ³ /track ^{3e} 2000 lm 3000K 11.1823.2362 4000K 11.1823.2462	13W 12° control-gear ELDD track ³ /track ^{3e} 2000 lm 3000K 11.1823.3362 4000K 11.1823.3462

13W 24° control-gear EL track ³ /track ^{3e} 2000 lm 3000K 11.1823.8364 4000K 11.1823.8464	13W 24° control-gear ELD track ³ /track ^{3e} 2000 lm 3000K 11.1823.2364 4000K 11.1823.2464	13W 24° control-gear ELDD track ³ /track ^{3e} 2000 lm 3000K 11.1823.3364 4000K 11.1823.3464
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13W 36° control-gear EL track ³ /track ^{3e} 2000 lm 3000K 11.1823.8366 4000K 11.1823.8466	13W 36° control-gear ELD track ³ /track ^{3e} 2000 lm 3000K 11.1823.2366 4000K 11.1823.2466	13W 36° control-gear ELDD track ³ /track ^{3e} 2000 lm 3000K 11.1823.3366 4000K 11.1823.3466
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LED

LED and control gear included



■ ■ ■	■ ■ ■	■ ■ ■
25W 12° control-gear EL track ³ /track ^{3e} 3500 lm 3000K 11.1823.8312 4000K 11.1823.8412	25W 12° control-gear ELD track ³ /track ^{3e} 3500 lm 3000K 11.1823.2312 4000K 11.1823.2412	25W 12° control-gear ELDD track ³ /track ^{3e} 3500 lm 3000K 11.1823.3312 4000K 11.1823.3412

25W 24° control-gear EL track ³ /track ^{3e} 3500 lm 3000K 11.1823.8324 4000K 11.1823.8424	25W 24° control-gear ELD track ³ /track ^{3e} 3500 lm 3000K 11.1823.2324 4000K 11.1823.2424	25W 24° control-gear ELDD track ³ /track ^{3e} 3500 lm 3000K 11.1823.3324 4000K 11.1823.3424
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25W 36° control-gear EL track ³ /track ^{3e} 3500 lm 3000K 11.1823.8336 4000K 11.1823.8436	25W 36° control-gear ELD track ³ /track ^{3e} 3500 lm 3000K 11.1823.2336 4000K 11.1823.2436	25W 36° control-gear ELDD track ³ /track ^{3e} 3500 lm 3000K 11.1823.3336 4000K 11.1823.3436
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Reference options

11.1823.8312.63

11.1823.



- 8- On/Off
- 2- Dim 1-10V
- 3- DALI



- 0- Fashion
- 1- Vegetables
- 2- 2700K
- 3- 3000K
- 4- 4000K



- 5- 5000K
- 6- Meat
- 7- Sausages
- 8- Fish
- 9- Bakery

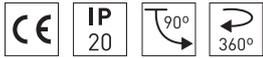


- 62- 12° -13W
- 64- 24° -13W
- 66- 36° -13W
- 12- 12° -25W
- 24- 24° -25W
- 36- 36° -25W



- 04- Black
- 22- Grey
- 63- White

Features



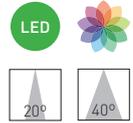
Finishes



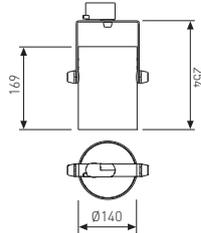
To complete the product reference, add finish

Versions:

Special LED versions on request
DIMMER versions on request
2700K and 5000K versions on request



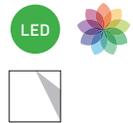
LED and control gear included



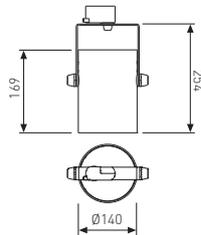
37W
20°
track³ /track^{3e}
5100 lm
3000K **799L/M8320**
4000K **799L/M8420**



37W
40°
track³ /track^{3e}
5100 lm
3000K **799L/M8340**
4000K **799L/M8440**



LED and control gear included



25W
wall washer 15°
track³ /track^{3e}
3500 lm
3000K **799L/M8315**
4000K **799L/M8415**

37W
wall washer 15°
track³ /track^{3e}
5100 lm
3000K **799L/M8315**
4000K **799L/M8415**



Surface base for spotlights with
tree-phase adapter
2427

Reference options

799L/M8220/33



79 L/M /

8- 25W*
9- 37W

00- Fashion
01- Vegetables
82- 2700K
83- 3000K
84- 4000K
85- 5000K
06- Meat
07- Sausages
08- Fish
09- Bakery

15- Wall washer 15°
20- 20°
40- 40°

04- Black
21- Grey
33- White

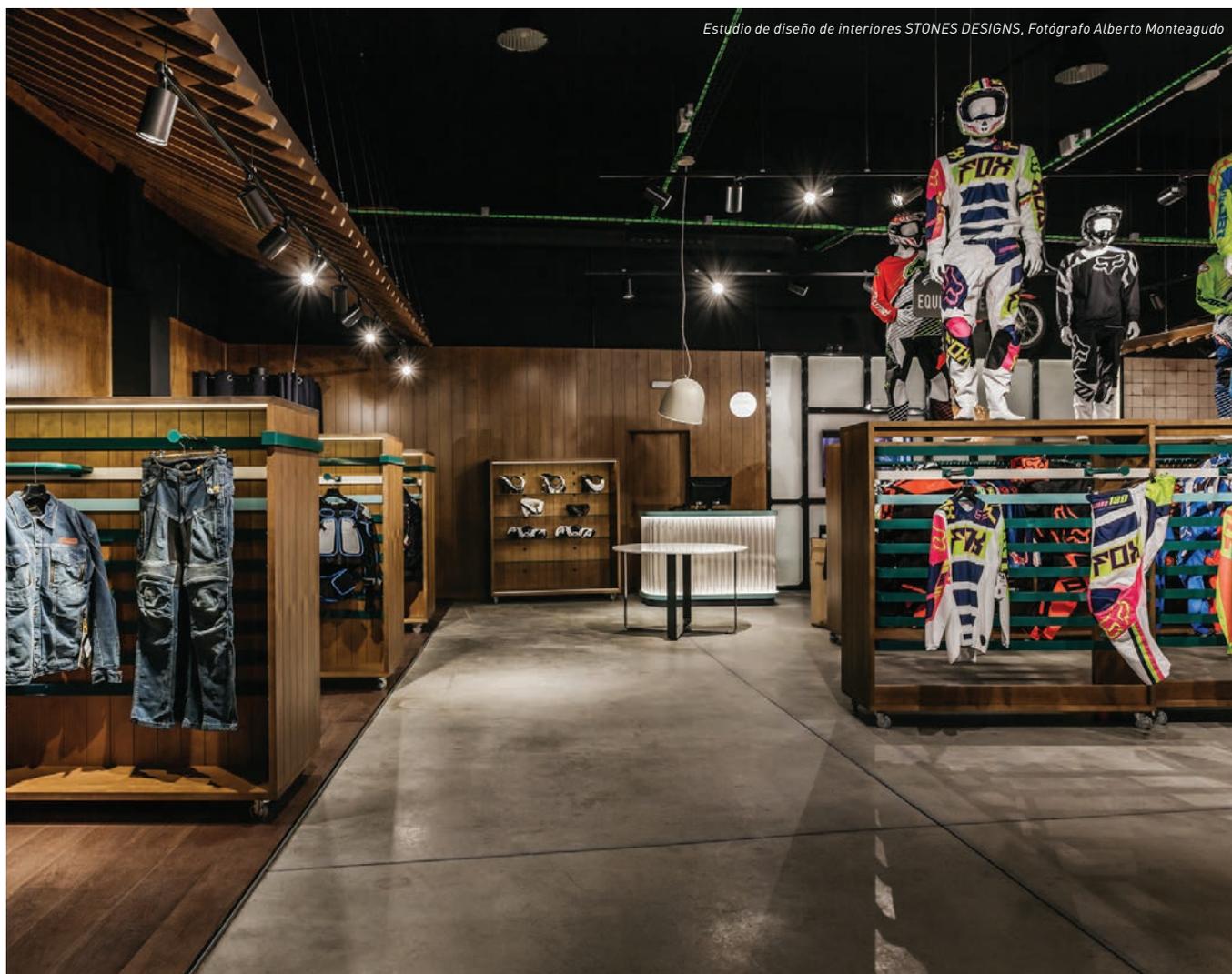
Reference options for control gear

79L/M D/

79L/M DD/

DD= DALI

*this power can be combined with wallwasher 15° reflector



Estudio de diseño de interiores STONES DESIGNS, Fotógrafo Alberto Monteagudo

As its name implies, SDIV (or Vertical Illumination System) is a range of spotlights LED specially designed to light vertical planes. Useful for temporary installations, such as stands at trade fairs, exhibitions, publicity displays...or permanent installations, such as shop shelving, library shelves, art galleries, wherever local accent lighting is required.

Features

Housing made of injected aluminium. High-purity matt aluminium reflectors. Tempered protective glass. Various fitting positions have been designed, with horizontal and vertical anchors, fixed or mobile. Support socket for 3 different positions of 30° each. In addition to the 45° head orientation.



Loft, Spain

Power

LED 12W

Beam

85/70

Colour temperature

3000K warm white - CRI \geq 85

Nominal lumen output

12W - 1200 lm

IP

IP20

Finishes

White (33)

Grey (21)

Black (04)

Supply voltage

220...240V, 50/60Hz

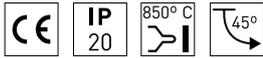
Installation

Three-phase electric track and base

Accessories

Mounting clamps

Features



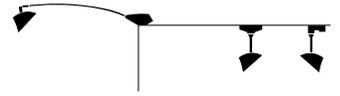
Protective Glass
Control gear not required

Finishes



To complete the product reference, add finish

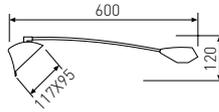
Finishes accessories



LED

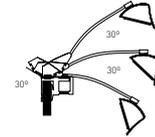
Fastening accessories also required

LED included



12W
85° / 70°
support socket
1200 lm
3000K **747L/83**

3-position support socket in fireproof fibre-glass reinforced polyamide. Switch included.



Accessories

Cables - Connectors

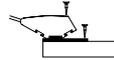


Connecting cable
L : 3 m. 3x0.75 mm²
With 2P + TT lateral pin
248/S/04

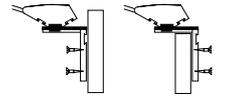
Mounts



Straight mount for HORIZONTAL surfaces
245

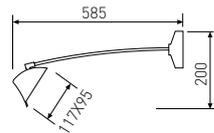


Straight mount for VERTICAL surfaces
246



LED

LED included

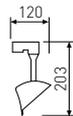


12W
85° / 70°
base to wall mounting
1200 lm
3000K **747L/BP83**

LED



LED included

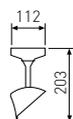


12W
85° / 70°
track³ / track^{3e}
1200 lm
3000K **747L/E83**

LED



LED included



12W
85° / 70°
base
1200 lm
3000K **747L/B83**

A spotlight of simple design suitable for temporary or permanent exhibitions, for commercial or home use.

Features

Stamped steel housing. Injected polycarbonate joint and trim. Adjustment system for the lamp-holder position, allowing light to pass correctly between the housing and the lamp. Joint rotates up to 360° and tilts to 90°. Accessories can be added.



Power

QPAR-CB - 50W - halogen or LED
E27 - max.120W - incandescent or LED

IP

IP20

Finishes

White (33)
Grey (21)
Black (04)

Supply voltage

220...230V, 50/60 Hz

Installation

Three-phase electric track and base

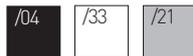
Accessories

Reflectors

Features



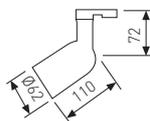
Finishes



To complete the product reference, add finish

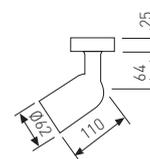
 **GZ-10 QPAR-CB**

For LED lamp



■ ■ ■
max.50W
track³/track^{3e}
765E

■ ■ ■
max.50W
base
765/B



 E27 **R63** máx.60W

 E27 **R80** máx.100W

 E27 **R90** máx.60W

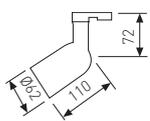
 E27 **PAR 20** máx.50W

 E27 **PAR 30** máx.100W

 E27 **PAR 38** máx.120W

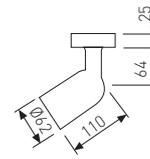
 E27 **R50** máx.60W

For LED lamp



■ ■ ■
max.120W
track³/track^{3e}
766E

■ ■ ■
max.120W
base
766/B



Accessories

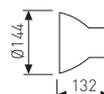
Reflector

 E27 **R63** (máx. 60W)

For LED lamp

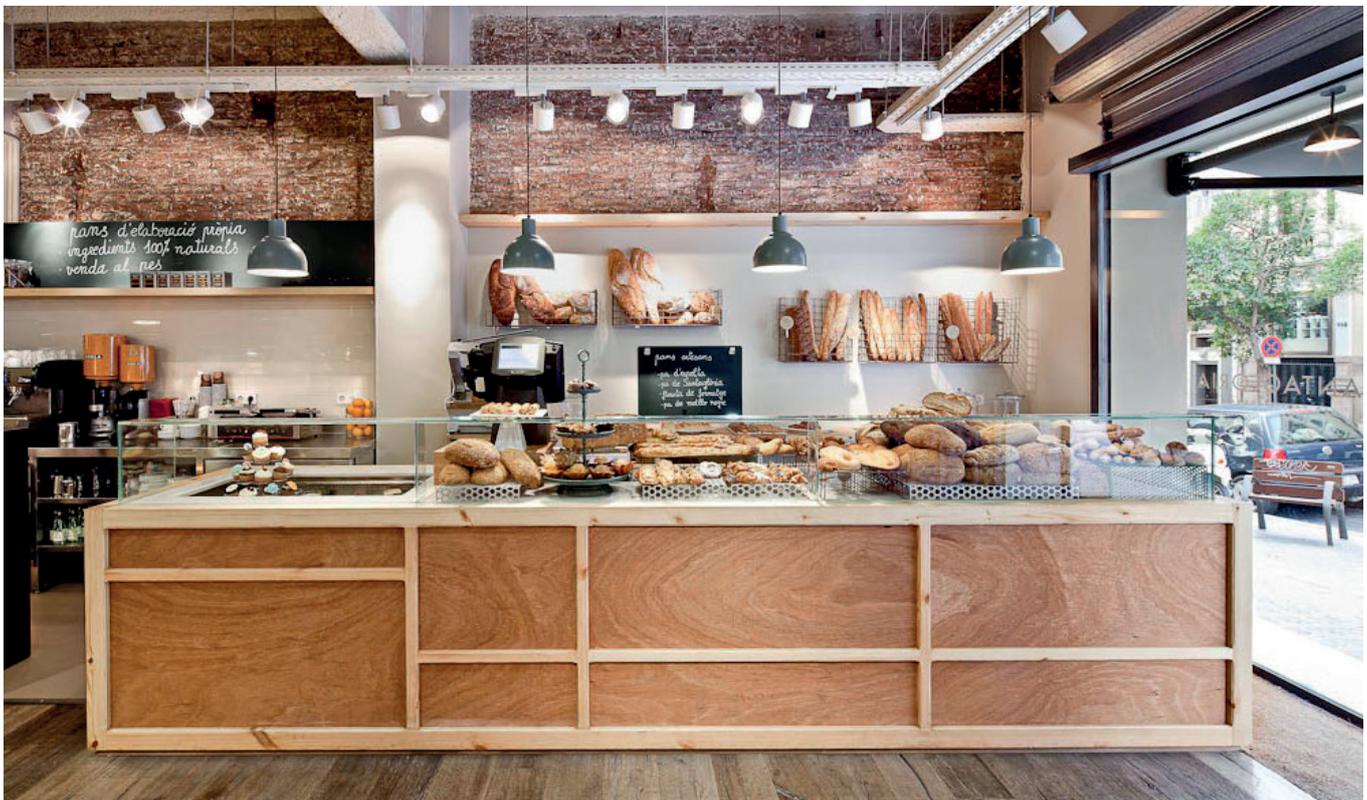


■ ■ ■
Extra reflector (for ref. 766), only for the following lamps: R63
39



The electric tracks patented by Troll were the start and springboard for the growth of our brand. Nowadays, the tracks are still the most flexible option to increase, reduce or move light points on premises without having to call in a professional electrician.

The range includes systems with 3 switches for attaching, hanging or recessing, with a complete range of accessories designed for easy mounting and, of course, to provide flexibility.



Santa Gloria, Spain

Features



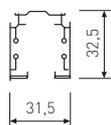
Finishes



To complete the product reference, add finish

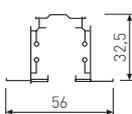
Track DALI

Three-phase surface track
L1+L2+LB+N+TT 16A/400V



- L= 1000 mm
2420D/100
- L= 2000 mm.
2420D/200
- L= 3000 mm
2420D/300
- L= 4000 mm
2420D/400

Three-phase recessed track
L1+L2+LB+N+TT 16A/400V



- □ □
L= 1000 mm.
2421D/100
- □ □
L= 2000 mm.
2421D/200
- □ □
L= 3000 mm
2421D/300
- □ □
L= 4000 mm.
2421D/400

Connection systems DALI



■ □
2400D
End cover



■ □
2401D/01
Left



■ □
2401D/02
Right



■ □
2402D
Flexible connector



■ □
2403D/10
Continuity connector
with connection



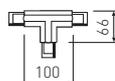
■ □
2403D
Continuity
connector



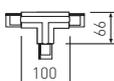
■ □
2408D/02
RIGHT "L" connector, option
of connection



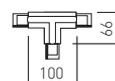
■ □
2408D/01
LEFT "L" connector, option
of connection



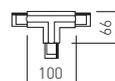
■ □
2407D/02
RIGHT "T" connector, option of
connection



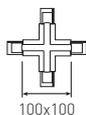
■ □
2407D/01
LEFT "T" connector, option of
connection



■ □
2407D/04
LEFT "T"
connector, option of connection



■ □
2407D/03
RIGHT "T" connector, option
of connection



■ □
2409D
"X" connector, option of
connection

Adaptors DALI



■ □
2417D
Adaptor with cable
L=3m

Features

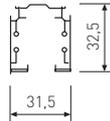


Finishes



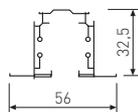
To complete the product reference, add finish

Three-phase surface track
L1+L2+LB+N+TT 16A/400V



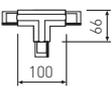
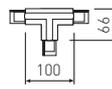
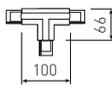
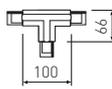
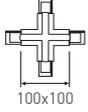
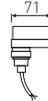
■ □ □	■ □ □	■ □ □	■ □ □
L= 1000 mm 2420/100	L= 2000 mm. 2420/200	L= 3000 mm 2420/300	L= 4000 mm 2420/400

Three-phase recessed track
L1+L2+LB+N+TT 16A/400V



□	□	□	□
L= 1000 mm. 2421/100	L= 2000 mm. 2421/200	L= 3000 mm 2421/300	L= 4000 mm. 2421/400

Connection systems

  ■ □ 2400 End cover	  ■ □ 2401/01 Left	  ■ □ 2401/02 Right	  ■ □ 2402 Flexible connector	
  ■ □ 2403/10 Continuity connector with connection	  ■ □ 2403 Continuity connector	  ■ □ 2408/02 RIGHT "L" connector, option of connection	  ■ □ 2408/01 LEFT "L" connector, option of connection	
  ■ □ 2407/02 RIGHT "T" connector, option of connection	  ■ □ 2407/01 LEFT "T" connector, option of connection	  ■ □ 2407/04 LEFT "T" connector, option of connection	  ■ □ 2407/03 RIGHT "T" connector, option of connection	
  ■ □ 2409 "+" connector, option of connection	<p>Adaptors</p>  ■ □ □ 2427 Surface base for spotlights with tree-phase adaptor			  ■ □ 2417 Adaptor with cable L=3m

Features



Finishes

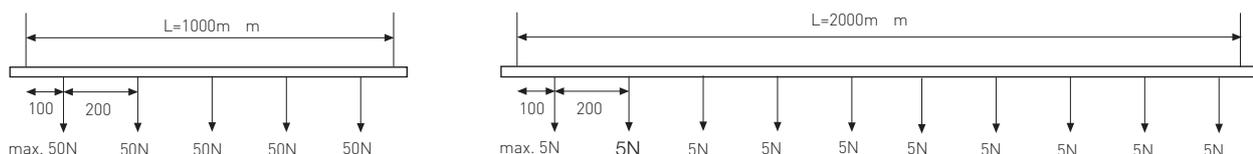


To complete the product reference, add finish

Suspension systems

<p>2413/00 Fastening directly to the ceiling</p>	<p>2431/00 Suspension clamp</p>	<p>2440/00 Cable suspension L=1.500 mm</p>	<p>2435/00 M6 Threaded stem L=2.000 mm</p>
<p>2434 Ceiling rose fastening</p>	<p>2432/00 Reinforced suspension clamp</p>	<p>2438/00 M6 Nut</p>	<p>2439/00 M6 Adjustment sleeve</p>
<p>2442/33 Linear accessories cover for recessed track</p>	<p>2441/00 Bending tool</p>	<p>2418/33 Support hook</p>	

The recommended distance between fastenings is 1m. [see load diagram]. The tracks are pre-drilled at the back, for fastening directly to the ceiling. Nevertheless, there is a wide range of optional fastenings.



Cutting electric tracks: 242 tracks are supplied in standard lengths which can be easily cut to the required length with a metal saw or circular saw. After cutting, the conduits must be bent to a 90° angle using piece 2441. The conduits must be measured and adjusted with the plastic calibrator at one end of piece 2441. The conduit elbows are at the correct distance from the end of the track when the plastic calibrator does not jut out, but is flush with the track end.



Fastening accessories

Tracks 2420 and 2421 have a rib at the bottom which determines the position of the adaptor. In order to maintain continuity, some of the coupling elements between tracks, such as "L" and "T", and connectors, must be selected bearing this in mind.

The charts below, along with the attached table of example structures, provide help with selection.

	<p>2420</p>	<p>2421</p>
--	--------------------	--------------------

IN

ARCHITECTURAL p. 14

TRACKLIGHTS p. 64

RECESSED DOWNLIGHTS p. 100

RECESSED LUMINAIRES p. 158

RECESSED LINEARS p. 172

SURFACE DOWNLIGHTS p. 178

SURFACE LUMINAIRES p. 192

SURFACE LINEARS p. 204

WALL SCONCES p. 224

INDUSTRIAL p. 234

LINEALED p. 246

HEALTH & CARE p. 262

2

RECESSED DOWNLIGHTS



Brim
p. 102



Contract
p. 118



Microlinear
p. 130



Focus
p. 132



mini ZAS Cardan
p. 134



ZAS Cardan
p. 136



ZAS Cube
p. 138



ZAS Wall
p. 139



Optics Comfort
p. 140



Optics Elite
p. 142



Pinhole
p. 144



Angle
p. 148



Beryl
p. 150



Ecoled
p. 152



Downled
p. 154

• **Brim downlights system, developed in collaboration with Artec, born from a brilliant study of proportions, both the essence of the product itself and its relation to the space in which it is integrated.**

Depending on your environment and needs, Brim allows a formal and functional customization to adapt to any space, retail, hospitality and even domestic projects.

By combining the key elements of the system, we define a suitable architectural solution space with various installation possibilities, from maximum integration with the ceiling versions “trimless” until all the possibilities offered by the various rings and cones.

Innovative “cutted” Rings allow the formation of downlights groups, combinations of beauty and harmony that invite formal creativity, customizable solutions to end defining unique designs.

The colour range of all elements of the system allows multiple finishes to match interior space .

A careful optical design with faceted reflectors allows us to project super-spot, medium and wide beams with a high efficiency and excellent light control .





The Brim downlight is configured by combining the four light engines and the different configuration elements and finishes available.



Brim range

T1

Small fixed LED downlight.



T2

Oriented 30°/350° LED downlight.



T2 cone

Fixed LED cone downlight with high visual comfort.



Configuration Items

Light Engine

The light engine is composed by the drivers and light sources. Light engines are dimensioned with the appropriate heat sink in order to dissipate the different powers allowing a perfect light performance.

Reflectors

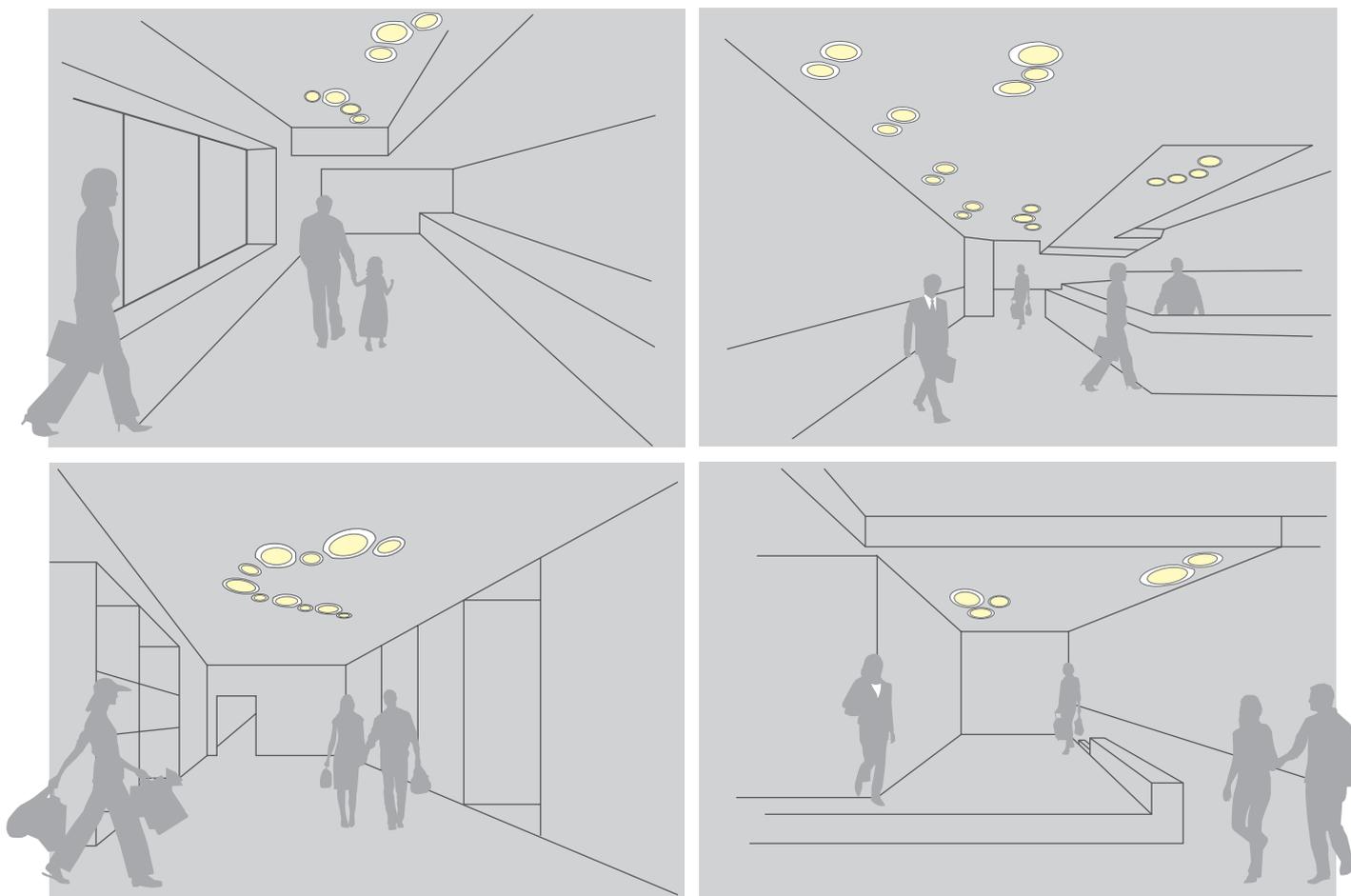
Beam patterns selection of 10°, 25° and 50° depending on the photometric requirements. High performance faceted reflectors made in high quality aluminium. Designed to minimize visual halos and maximize comfort.

Secondary reflector

The secondary reflectors offer various finishes and can be combined with rings. The colour combination options provide a highly customizable downlight.

Groups of light

The special design of the rings and the option to combine them in size and shape allows the formation of groups of light that enhance and streamline the architectural environment.



Ring

The rings are essential and differential part of this family of downlights. Rings are made in die cast aluminium and offer us the possibility of individual installation or grouped in an infinite variety of combinations and formats.



Basic



Symmetric



Eccentric



Lateral



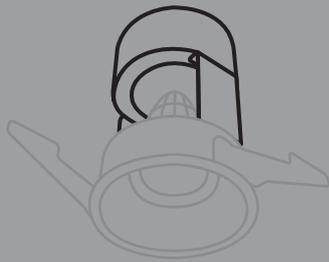
Angular



Parallel

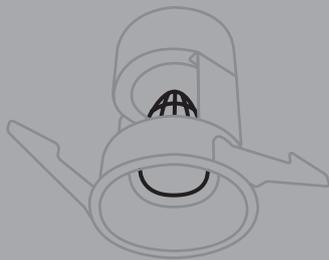


Trim less



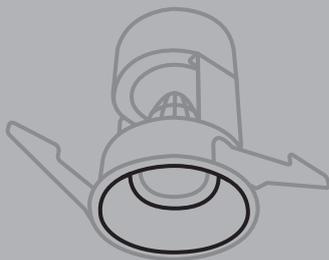
Light engine

LED light engine in passive cooling.
Incorporates control gear.



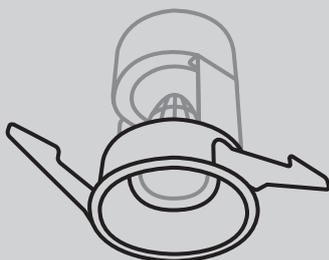
Reflectors

Faceted reflectors made in high purity aluminium. Easily interchangeable and available in 10 °, 25 ° and 50 ° beam angle.



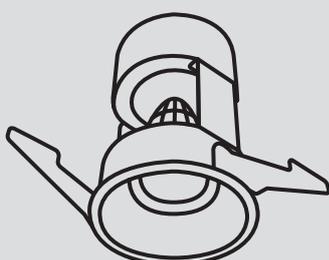
Secondary reflector

Made of polycarbonate and available in specular finish, gold, white, black and grey. Installed by manual clipping.



Rings

Built in aluminium die cast define the desired setup type versions symmetric, eccentric or combined in groups of luminaries "trimless". Available in black, grey, white and gold.





- 1120** = LED 7W - 2700K - gear box EL
- 1100** = LED 7W - 3000K - gear box EL
- 1101** = LED 7W - 4000K - gear box EL
- 1121** = LED 15W - 2700K - gear box EL
- 1110** = LED 15W - 3000K - gear box EL
- 1111** = LED 15W - 4000K - gear box EL

11. **XXXXX** . **XXXX** . **XX**



10 = Beam 10°
SPOT



25 = Beam 25°
MEDIUM



50 = Beam 50°
WIDE

11. **XXXX** **XXXX** . **XXXX** . **XX**



0 = Without secondary reflector for versions with symmetric and eccentric ring.

- 1** = Secondary reflector grey colour
- 2** = Secondary reflector gold colour
- 3** = Secondary reflector white colour
- 4** = Secondary reflector black colour
- 7** = Secondary reflector specular colour

11. **XXXX** . **XXXX** **XXXX** . **XX**



- 1.02** = Basic gold colour
- 1.04** = Basic black colour
- 1.21** = Basic grey colour
- 1.33** = Basic white colour



- 4.02** = Eccentric gold colour
- 4.04** = Eccentric black colour
- 4.21** = Eccentric grey colour
- 4.33** = Eccentric white colour

11. **XXXX** . **XXXX** **XXXX** . **XX**



- 3.02** = Symmetric gold colour
- 3.04** = Symmetric black colour
- 3.21** = Symmetric grey colour
- 3.33** = Symmetric white colour



- 2.33** = Trimless white colour

Accessory references

11.1200.0001.00 (protection glass)



11.1200.0003.00 (anti glare honeycomb)

11. **XXXX** . **XXXX** **XXXX** . **XX**

The reference consists of twelve digits and is created while the elements are chosen and placing the partial codes in the places indicated with a cross.

Features



Product definition

Full downlight is set by selecting the different elements available.
The product is ready for installation.

Description

LED Light Engine with driver included.
Built in aluminium and stamped steel.
Facetted reflector made of high purity aluminium.
Secondary ring made of injected polycarbonate.
Basic ring made of die cast aluminium and installation springs made of stainless steel.
Accessory rings made of polycarbonate.
Active heat sink.

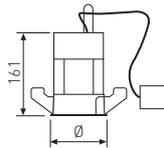
LED features

- Real wattage: 7W / 15W
- Colour temperature: 2700K / 3000K / 4000K
- Beam angle: 10° / 25° / 50°
- Life time: 50.000h
- LED luminous flux: 800 lm / 1365 lm
- CRI: 85

Installation

Recessed installation on roof from 1mm to 20 mm
Hole diameter of installation Ø 78-80 mm
Hole diameter of installation for trim less version: Ø 90 mm

T1



7W
2700K **11.1120**
3000K **11.1100**
4000K **11.1101**

15W
2700K **11.1121**
3000K **11.1110**
4000K **11.1111**

LED and control gear included





+



+





Oriented light engine

Available in versions for LED light sources.



Reflectors

Facetted reflectors made in high purity aluminium. Easily interchangeable and available in 10 °, 25 ° and 50 ° beam angle.



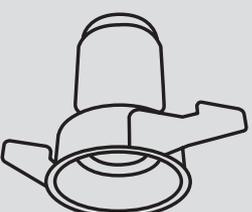
Secondary reflector

Made of polycarbonate and available in specular finish, gold, white, black and grey. Installed by manual clipping.



Rings

Built in aluminium die cast define the desired setup type versions symmetric, eccentric or combined in groups of luminaries "trimless". Available in black, grey, white and gold.





- 1216 = LED 21W - 2700K - gear box EL
- 1220 = LED 21W - 3000K - gear box EL
- 1224 = LED 21W - 4000K - gear box EL
- 1222 = LED 21W - 3000K - gear box ELDD (DALI)
- 1226 = LED 21W - 4000K - gear box ELDD (DALI)
- 1217 = LED 31W - 2700K - gear box EL
- 1221 = LED 31W - 3000K - gear box EL
- 1225 = LED 31W - 4000K - gear box EL
- 1223 = LED 31W - 3000K - gear box ELDD (DALI)
- 1227 = LED 31W - 4000K - gear box ELDD (DALI)

11. .



10 = Beam 10°
SPOT



25 = Beam 25°
MEDIUM



50 = Beam 50°
WIDE

11.

- 1 = Secondary reflector grey colour
- 2 = Secondary reflector gold colour
- 3 = Secondary reflector white colour
- 4 = Secondary reflector black colour
- 7 = Secondary reflector specular colour

11.



- 1.02 = Basic gold colour
- 1.04 = Basic black colour
- 1.21 = Basic grey colour
- 1.33 = Basic white colour



- 5.02 = Lateral gold colour
- 5.04 = Lateral black colour
- 5.21 = Lateral grey colour
- 5.33 = Lateral white colour



- 3.02 = Symmetric gold colour
- 3.04 = Symmetric black colour
- 3.21 = Symmetric grey colour
- 3.33 = Symmetric white colour



- 6.02 = Parallel gold colour
- 6.04 = Parallel black colour
- 6.21 = Parallel grey colour
- 6.33 = Parallel white colour



- 4.02 = Eccentric gold colour
- 4.04 = Eccentric black colour
- 4.21 = Eccentric grey colour
- 4.33 = Eccentric white colour



- 7.02 = Angular gold colour
- 7.04 = Angular black colour
- 7.21 = Angular grey colour
- 7.33 = Angular white colour



- 2.33 = Trimless white colour

11.

Accessory references

11.1200.0001.00 (protection glass)



11.1200.0003.00 (anti glare honeycomb)

11.

The reference consists of twelve digits and is created while the elements are chosen and placing the partial codes in the places indicated with a cross.

Features



Product definition

Full downlight is set by selecting the different elements available.
The product is ready for installation.

Description

Oriented light engine.
Incorporates LED basic product structure and gear box.
Built in aluminium and stamped steel.
Faceted reflector made of high purity aluminium.
Secondary reflector made of injected polycarbonate.
Basic ring made of die cast aluminium and installation springs made of stainless steel or galvanized sheet in trim less version.
Active heat sink.

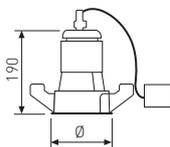
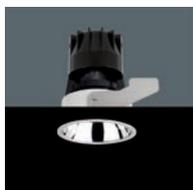
LED features

- Real wattage: 21W / 31W
- Colour temperature: 2700K / 3000K / 4000K
- Beam angle: 10° / 25° / 50°
- Life time: 50.000h
- LED luminous flux: 21W: 1750 lm
- LED luminous flux: 31W: 2800 lm
- CRI: 85

Installation

Recessed installation on roof from 1mm to 20 mm
Hole diameter of installation Ø 104-106 mm
Hole diameter of installation for trim less version: Ø118 mm

T2 LED



21W
2700K **11.1216.00**
3000K **11.1220.00**
4000K **11.1224.00**

21W
control gear ELDD
3000K **11.1222.00**
4000K **11.1226.00**

LED and control gear included



Basic

Ø110



Symmetric



Eccentric



Lateral



Angular



Parallel

Ø134

31W
2700K **11.1217.00**
3000K **11.1221.00**
4000K **11.1225.00**

31W
control gear ELDD
3000K **11.1223.00**
4000K **11.1227.00**



+



+



+





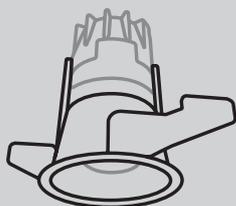
Light engine

Available in versions for LED light sources.



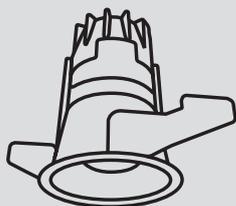
Reflector

Facetted reflectors made in high purity aluminium. Easily interchangeable and available in 10 °, 25 ° and 50 ° beam angle.



Cone

Conical element ensures high visual comfort.





- 1218 = LED 21W - 2700K - gear box EL
- 1220 = LED 21W - 3000K - gear box EL
- 1224 = LED 21W - 4000K - gear box EL
- 1222 = LED 21W - 3000K - gear box ELDD (DALI)
- 1226 = LED 21W - 4000K - gear box ELDD (DALI)
- 1219 = LED 31W - 2700K - gear box EL
- 1221 = LED 31W - 3000K - gear box EL
- 1225 = LED 31W - 4000K - gear box EL
- 1223 = LED 31W - 3000K - gear box ELDD (DALI)
- 1227 = LED 31W - 4000K - gear box ELDD (DALI)

11. XXXXX . □□□□ . □□



10 = Beam 10°
SPOT



25 = Beam 25°
MEDIUM



50 = Beam 50°
WIDE

11. ■■■■ . XX□□ . □□



- 00.02 = Gold cone
- 00.04 = Black cone
- 00.21 = Grey cone
- 00.33 = White cone

11. ■■■■ . ■■XX . XX

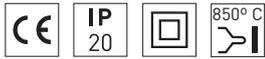
Accessory references
11.1200.0001.00 (protection glass)

IP
44

11. ■■■■ . ■■■■ . ■■

The reference consists of twelve digits and is created while the elements are chosen and placing the partial codes in the places indicated with a cross.

Features



Product definition

Full downlight is set by selecting the different elements available. The product is ready for installation.

Description

Incorporates LED, basic product structure and gear box.
Built in aluminum and stamped steel.
Faceted reflector made of high purity aluminium.
Active heat sink

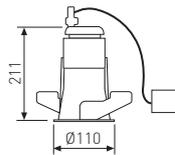
LED features

- Real wattage: 21W / 31W
- Colour temperature: 2700 / 3000K / 4000K
- Beam angle: 10° / 25° / 50°
- Life time: 50.000h
- Luminous flux LED 21W: 1750 lm
- Luminous flux LED 31W: 2800 lm
- CRI: 85

Installation

Recessed installation on roof from 1mm to 20 mm
Hole diameter of installation Ø 104-106 mm

T2 cono LED



21W
2700K **11.1218.00**
3000K **11.1220.00**
4000K **11.1224.00**

21W
control gear ELDD
3000K **11.1222**
4000K **11.1226**

LED and control gear included

31W
2700K **11.1219.00**
3000K **11.1221.00**
4000K **11.1225.00**

31W
control gear ELDD
3000K **11.1223**
4000K **11.1227**



+



+



Full LED downlights programme designed to meet multiple lighting requirements, scenarios and minimal energy consumption.



Contract FIXED



Contract ORIENTABLE



Contract WALL WASHER



Contract FIXED

Downlight built with a die-cast aluminium body, injected aluminium diffuser. High quality aluminium primary reflector, with polycarbonate secondary reflector. Latest-generation LED and driver included. 1-10V and DALI dimmable versions available. Accessories: Honeycomb mesh and reflector.

Contract ORIENTABLE

Downlight built with a die-cast aluminium body, injected aluminium diffuser. It incorporates a turning system that enables 355-degree rotation and 30-degree inclination. High-quality aluminium reflectors. Latest-generation LED and driver included. 1-10V and DALI dimmable versions available. Accessories: Honeycomb mesh and reflector.

Contract WALL WASHER

Downlight built with a die-cast aluminium body, injected aluminium diffuser. High-quality aluminium reflectors with a diffuser that casts an excellent asymmetrical beam. Latest-generation LED and driver included. 1-10V and DALI dimmable versions available.



 **LED personalisation**

Option to incorporate new light sources designed to offer excellent colour reproduction to create products for very specific segments. On request.



Contract FIXED



Contract ORIENTABLE



Contract WALL WASHER

Power	LED 7W, 13W, 18W, 25W, 32W
Beam	LED 7W - 20°, 30°, 60° LED 13W - 15°, 24°, 36°, 60° LED 18W - 15°, 24°, 36°, 60° LED 25W - 15°, 24°, 36°, 60° LED 32W - 15°, 24°, 36°, 60°
Colour temperature	3000K warm white - CRI ≥ 80 4000K neutral white - CRI ≥ 80
Nominal lumen output	7W - 900 lm, 13W - 1700 lm, 18W - 2400 lm, 25W - 3200 lm, 32W - 4300 lm
Control gear	Electronic (EL) Electronic Dimmer (ELD) Electronic Dimmer DALI (ELDD)
IP	IP20 / 44
Finishes	White (33)
Supply voltage	220... 240V, 50/60Hz
Installation	Recessed installation on roof
Accessories	Honeycomb mesh and reflector

Features



Finishes



Finishes accessories



To complete the product reference, add finish.

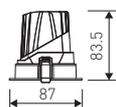
Versions:

Special LED versions on request
2700K and 5000K versions on request

Contract FIXED



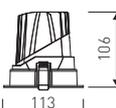
LED and control gear included



□	□	□
7W 20° drill-hole Ø 75 control-gear EL 900 lm 3000 K 11.1602.1832.33 4000 K 11.1602.1842.33	7W 30° drill-hole Ø 75 control-gear EL 900 lm 3000 K 11.1602.1834.33 4000 K 11.1602.1844.33	7W 60° drill-hole Ø 75 control-gear EL 900 lm 3000 K 11.1602.1836.33 4000 K 11.1602.1846.33
□	□	□
7W 20° drill-hole Ø 75 control-gear ELD 900 lm 3000 K 11.1602.1032.33 4000 K 11.1602.1042.33	7W 30° drill-hole Ø 75 control-gear ELD 900 lm 3000 K 11.1602.1034.33 4000 K 11.1602.1044.33	7W 60° drill-hole Ø 75 control-gear ELD 900 lm 3000 K 11.1602.1036.33 4000 K 11.1602.1046.33
□	□	□
7W 20° drill-hole Ø 75 control-gear ELDD 900 lm 3000 K 11.1602.1132.33 4000 K 11.1602.1142.33	7W 30° drill-hole Ø 75 control-gear ELDD 900 lm 3000 K 11.1602.1134.33 4000 K 11.1602.1144.33	7W 60° drill-hole Ø 75 control-gear ELDD 900 lm 3000 K 11.1602.1136.33 4000 K 11.1602.1146.33

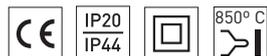


LED and control gear included



□	□	□	□
13W 15° drill-hole Ø 100 control-gear EL 1700 lm 3000 K 11.1602.2831.33 4000 K 11.1602.2841.33	13W 24° drill-hole Ø 100 control-gear EL 1700 lm 3000 K 11.1602.2833.33 4000 K 11.1602.2843.33	13W 36° drill-hole Ø 100 control-gear EL 1700 lm 3000 K 11.1602.2835.33 4000 K 11.1602.2845.33	13W 60° drill-hole Ø 100 control-gear EL 1700 lm 3000 K 11.1602.2836.33 4000 K 11.1602.2846.33
□	□	□	□
13W 15° drill-hole Ø 100 control-gear ELD 1700 lm 3000 K 11.1602.2031.33 4000 K 11.1602.2041.33	13W 24° drill-hole Ø 100 control-gear ELD 1700 lm 3000 K 11.1602.2033.33 4000 K 11.1602.2043.33	13W 36° drill-hole Ø 100 control-gear ELD 1700 lm 3000 K 11.1602.2035.33 4000 K 11.1602.2045.33	13W 60° drill-hole Ø 100 control-gear ELD 1700 lm 3000 K 11.1602.2036.33 4000 K 11.1602.2046.33
□	□	□	□
13W 15° drill-hole Ø 100 control-gear ELDD 1700 lm 3000 K 11.1602.2131.33 4000 K 11.1602.2141.33	13W 24° drill-hole Ø 100 control-gear ELDD 1700 lm 3000 K 11.1602.2133.33 4000 K 11.1602.2143.33	13W 36° drill-hole Ø 100 control-gear ELDD 1700 lm 3000 K 11.1602.2135.33 4000 K 11.1602.2145.33	13W 60° drill-hole Ø 100 control-gear ELDD 1700 lm 3000 K 11.1602.2136.33 4000 K 11.1602.2146.33

Features



Finishes



Finishes accessories

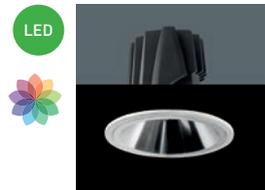


To complete the product reference, add finish.

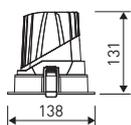
Versions:

Special LED versions on request
2700K and 5000K versions on request

Contract FIXED



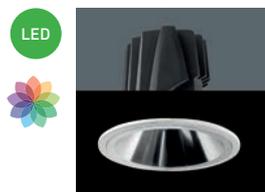
LED and control gear included



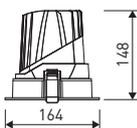
□	□	□	□
18W 15° drill-hole Ø 125 control-gear EL 2400 lm 3000 K 11.1602.3831.33 4000 K 11.1602.3841.33	18W 24° drill-hole Ø 125 control-gear EL 2400 lm 3000 K 11.1602.3833.33 4000 K 11.1602.3843.33	18W 36° drill-hole Ø 125 control-gear EL 2400 lm 3000 K 11.1602.3835.33 4000 K 11.1602.3845.33	18W 60° drill-hole Ø 125 control-gear EL 2400 lm 3000 K 11.1602.3836.33 4000 K 11.1602.3846.33

18W 15° drill-hole Ø 125 control-gear ELDD 2400 lm 3000 K 11.1602.3031.33 4000 K 11.1602.3041.33	18W 24° drill-hole Ø 125 control-gear ELDD 2400 lm 3000 K 11.1602.3033.33 4000 K 11.1602.3043.33	18W 36° drill-hole Ø 125 control-gear ELDD 2400 lm 3000 K 11.1602.3035.33 4000 K 11.1602.3045.33	18W 60° drill-hole Ø 125 control-gear ELDD 2400 lm 3000 K 11.1602.3036.33 4000 K 11.1602.3046.33
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18W 15° drill-hole Ø 125 control-gear ELDD 2400 lm 3000 K 11.1602.3131.33 4000 K 11.1602.3141.33	18W 24° drill-hole Ø 125 control-gear ELDD 2400 lm 3000 K 11.1602.3133.33 4000 K 11.1602.3143.33	18W 36° drill-hole Ø 125 control-gear ELDD 2400 lm 3000 K 11.1602.3135.33 4000 K 11.1602.3145.33	18W 60° drill-hole Ø 125 control-gear ELDD 2400 lm 3000 K 11.1602.3136.33 4000 K 11.1602.3146.33
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LED and control gear included

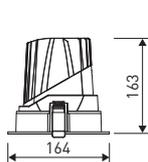
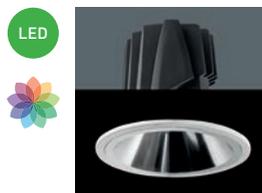


□	□	□	□
25W 15° drill-hole Ø 150 control-gear EL 3200 lm 3000 K 11.1602.4831.33 4000 K 11.1602.4841.33	25W 24° drill-hole Ø 150 control-gear EL 3200 lm 3000 K 11.1602.4833.33 4000 K 11.1602.4843.33	25W 36° drill-hole Ø 150 control-gear EL 3200 lm 3000 K 11.1602.4835.33 4000 K 11.1602.4845.33	25W 60° drill-hole Ø 150 control-gear EL 3200 lm 3000 K 11.1602.4836.33 4000 K 11.1602.4846.33

25W 15° drill-hole Ø 150 control-gear ELDD 3200 lm 3000 K 11.1602.4031.33 4000 K 11.1602.4041.33	25W 24° drill-hole Ø 150 control-gear ELDD 3200 lm 3000 K 11.1602.4033.33 4000 K 11.1602.4043.33	25W 36° drill-hole Ø 150 control-gear ELDD 3200 lm 3000 K 11.1602.4035.33 4000 K 11.1602.4045.33	25W 60° drill-hole Ø 150 control-gear ELDD 3200 lm 3000 K 11.1602.4036.33 4000 K 11.1602.4046.33
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25W 15° drill-hole Ø 150 control-gear ELDD 3200 lm 3000 K 11.1602.4131.33 4000 K 11.1602.4141.33	25W 24° drill-hole Ø 150 control-gear ELDD 3200 lm 3000 K 11.1602.4133.33 4000 K 11.1602.4143.33	25W 36° drill-hole Ø 150 control-gear ELDD 3200 lm 3000 K 11.1602.4135.33 4000 K 11.1602.4145.33	25W 60° drill-hole Ø 150 control-gear ELDD 3200 lm 3000 K 11.1602.4136.33 4000 K 11.1602.4146.33
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Contract FIXED



□	□	□	□
32W 15° drill-hole Ø 150 control-gear EL 4300 lm 3000 K 11.1602.5831.33 4000 K 11.1602.5841.33	32W 24° drill-hole Ø 150 control-gear EL 4300 lm 3000 K 11.1602.5833.33 4000 K 11.1602.5843.33	32W 36° drill-hole Ø 150 control-gear EL 4300 lm 3000 K 11.1602.5835.33 4000 K 11.1602.5845.33	32W 60° drill-hole Ø 150 control-gear EL 4300 lm 3000 K 11.1602.5836.33 4000 K 11.1602.5846.33



LED and control gear included

32W 15° drill-hole Ø 150 control-gear ELD 4300 lm 3000 K 11.1602.5031.33 4000 K 11.1602.5041.33	32W 24° drill-hole Ø 150 control-gear ELD 4300 lm 3000 K 11.1602.5033.33 4000 K 11.1602.5043.33	32W 36° drill-hole Ø 150 control-gear ELD 4300 lm 3000 K 11.1602.5035.33 4000 K 11.1602.5045.33	32W 60° drill-hole Ø 150 control-gear ELD 4300 lm 3000 K 11.1602.5036.33 4000 K 11.1602.5046.33
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32W 15° drill-hole Ø 150 control-gear ELDD 4300 lm 3000 K 11.1602.5131.33 4000 K 11.1602.5141.33	32W 24° drill-hole Ø 150 control-gear ELDD 4300 lm 3000 K 11.1602.5133.33 4000 K 11.1602.5143.33	32W 36° drill-hole Ø 150 control-gear ELDD 4300 lm 3000 K 11.1602.5135.33 4000 K 11.1602.5145.33	32W 60° drill-hole Ø 150 control-gear ELDD 4300 lm 3000 K 11.1602.5136.33 4000 K 11.1602.5146.33
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Accessories

Reflector
Contract fixed

■ □ Reflector for 7W 11.1603.0011	■ □ Reflector for 13W 11.1603.0021	■ □ Reflector for 18W 11.1603.0031	■ □ Reflector for 24-32W 11.1603.0041
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Honeycomb mesh

■ Honeycomb mesh for 7W 11.1603.0012.04	■ Honeycomb mesh for 13W 11.1603.0022.04	■ Honeycomb mesh for 18W 11.1603.0032.04	■ Honeycomb mesh for 24 - 32W 11.1603.0042.04
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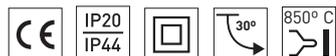
Reference options

11.1602.2163.33



11.1602.	□	□	□	□	.33
	1- 7W	8- On/Off	0- Fashion	1- 15°	
	2- 13W	0- Dim 1-10V	1- Vegetables	2- 20° (version 7W)	
	3- 18W	1- DALI	2- 2700K	3- 24°	
	4- 25W		3- 3000K	4- 30° (version 7W)	
	5- 32W		4- 4000K	5- 36°	
			5- 5000K	6- 60°	
			6- Meat		
			7- Sausages		
			8- Fish		
			9- Bakery		

Features



Finishes



Finishes accessories

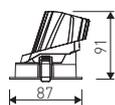


To complete the product reference, add finish.

Versions:

Special LED versions on request
2700K and 5000K versions on request

Contract ORIENTABLE

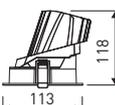


LED and control gear included

□	□	□
7W 20° drill-hole Ø 75 control-gear EL 900 lm 3000 K 11.1601.1832.33 4000 K 11.1601.1842.33	7W 30° drill-hole Ø 75 control-gear EL 900 lm 3000 K 11.1601.1834.33 4000 K 11.1601.1844.33	7W 60° drill-hole Ø 75 control-gear EL 900 lm 3000 K 11.1601.1836.33 4000 K 11.1601.1846.33

□	□	□
7W 20° drill-hole Ø 75 control-gear ELDD 900 lm 3000 K 11.1601.1032.33 4000 K 11.1601.1042.33	7W 30° drill-hole Ø 75 control-gear ELDD 900 lm 3000 K 11.1601.1034.33 4000 K 11.1601.1044.33	7W 60° drill-hole Ø 75 control-gear ELDD 900 lm 3000 K 11.1601.1036.33 4000 K 11.1601.1046.33

□	□	□
7W 20° drill-hole Ø 75 control-gear ELDD 900 lm 3000 K 11.1601.1132.33 4000 K 11.1601.1142.33	7W 30° drill-hole Ø 75 control-gear ELDD 900 lm 3000 K 11.1601.1134.33 4000 K 11.1601.1144.33	7W 60° drill-hole Ø 75 control-gear ELDD 900 lm 3000 K 11.1601.1136.33 4000 K 11.1601.1146.33



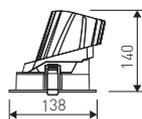
LED and control gear included

□	□	□	□
13W 15° drill-hole Ø 100 control-gear EL 1700 lm 3000 K 11.1601.2831.33 4000 K 11.1601.2841.33	13W 24° drill-hole Ø 100 control-gear EL 1700 lm 3000 K 11.1601.2833.33 4000 K 11.1601.2843.33	13W 36° drill-hole Ø 100 control-gear EL 1700 lm 3000 K 11.1601.2835.33 4000 K 11.1601.2845.33	13W 60° drill-hole Ø 100 control-gear EL 1700 lm 3000 K 11.1601.2836.33 4000 K 11.1601.2846.33

□	□	□	□
13W 15° drill-hole Ø 100 control-gear ELDD 1700 lm 3000 K 11.1601.2031.33 4000 K 11.1601.2041.33	13W 24° drill-hole Ø 100 control-gear ELDD 1700 lm 3000 K 11.1601.2033.33 4000 K 11.1601.2043.33	13W 36° drill-hole Ø 100 control-gear ELDD 1700 lm 3000 K 11.1601.2035.33 4000 K 11.1601.2045.33	13W 60° drill-hole Ø 100 control-gear ELDD 1700 lm 3000 K 11.1601.2036.33 4000 K 11.1601.2046.33

□	□	□	□
13W 15° drill-hole Ø 100 control-gear ELDD 1700 lm 3000 K 11.1601.2131.33 4000 K 11.1601.2141.33	13W 24° drill-hole Ø 100 control-gear ELDD 1700 lm 3000 K 11.1601.2133.33 4000 K 11.1601.2143.33	13W 36° drill-hole Ø 100 control-gear ELDD 1700 lm 3000 K 11.1601.2135.33 4000 K 11.1601.2145.33	13W 60° drill-hole Ø 100 control-gear ELDD 1700 lm 3000 K 11.1601.2136.33 4000 K 11.1601.2146.33

Contract ORIENTABLE



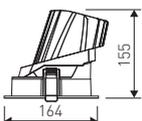
□	□	□	□
18W 15° drill-hole Ø 125 control-gear EL 2400 lm 3000 K 11.1601.3831.33 4000 K 11.1601.3841.33	18W 24° drill-hole Ø 125 control-gear EL 2400 lm 3000 K 11.1601.3833.33 4000 K 11.1601.3843.33	18W 36° drill-hole Ø 125 control-gear EL 2400 lm 3000 K 11.1601.3835.33 4000 K 11.1601.3845.33	18W 60° drill-hole Ø 125 control-gear EL 2400 lm 3000 K 11.1601.3836.33 4000 K 11.1601.3846.33



LED and control gear included

18W 15° drill-hole Ø 125 control-gear ELD 2400 lm 3000 K 11.1601.3031.33 4000 K 11.1601.3041.33	18W 24° drill-hole Ø 125 control-gear ELD 2400 lm 3000 K 11.1601.3033.33 4000 K 11.1601.3043.33	18W 36° drill-hole Ø 125 control-gear ELD 2400 lm 3000 K 11.1601.3035.33 4000 K 11.1601.3045.33	18W 60° drill-hole Ø 125 control-gear ELD 2400 lm 3000 K 11.1601.3036.33 4000 K 11.1601.3046.33
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18W 15° drill-hole Ø 125 control-gear ELDD 2400 lm 3000 K 11.1601.3131.33 4000 K 11.1601.3141.33	18W 24° drill-hole Ø 125 control-gear ELDD 2400 lm 3000 K 11.1601.3133.33 4000 K 11.1601.3143.33	18W 36° drill-hole Ø 125 control-gear ELDD 2400 lm 3000 K 11.1601.3135.33 4000 K 11.1601.3145.33	18W 60° drill-hole Ø 125 control-gear ELDD 2400 lm 3000 K 11.1601.3136.33 4000 K 11.1601.3146.33
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□	□	□	□
25W 15° drill-hole Ø 150 control-gear EL 3200 lm 3000 K 11.1601.4831.33 4000 K 11.1601.4841.33	25W 24° drill-hole Ø 150 control-gear EL 3200 lm 3000 K 11.1601.4833.33 4000 K 11.1601.4843.33	25W 36° drill-hole Ø 150 control-gear EL 3200 lm 3000 K 11.1601.4835.33 4000 K 11.1601.4845.33	25W 60° drill-hole Ø 150 control-gear EL 3200 lm 3000 K 11.1601.4836.33 4000 K 11.1601.4846.33

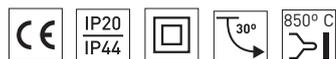


LED and control gear included

25W 15° drill-hole Ø 150 control-gear ELD 3200 lm 3000 K 11.1601.4031.33 4000 K 11.1601.4041.33	25W 24° drill-hole Ø 150 control-gear ELD 3200 lm 3000 K 11.1601.4033.33 4000 K 11.1601.4043.33	25W 36° drill-hole Ø 150 control-gear ELD 3200 lm 3000 K 11.1601.4035.33 4000 K 11.1601.4045.33	25W 60° drill-hole Ø 150 control-gear ELD 3200 lm 3000 K 11.1601.4036.33 4000 K 11.1601.4046.33
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25W 15° drill-hole Ø 150 control-gear ELDD 3200 lm 3000 K 11.1601.4131.33 4000 K 11.1601.4141.33	25W 24° drill-hole Ø 150 control-gear ELDD 3200 lm 3000 K 11.1601.4133.33 4000 K 11.1601.4143.33	25W 36° drill-hole Ø 150 control-gear ELDD 3200 lm 3000 K 11.1601.4135.33 4000 K 11.1601.4145.33	25W 60° drill-hole Ø 150 control-gear ELDD 3200 lm 3000 K 11.1601.4136.33 4000 K 11.1601.4146.33
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Features



Finishes



Finishes accessories

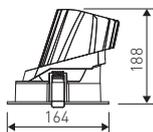


To complete the product reference, add finish.

Versions:

Special LED versions on request
2700K and 5000K versions on request

Contract ORIENTABLE



LED and control gear included

□	□	□	□
32W 15° drill-hole Ø 150 control-gear EL 4300 lm 3000 K 11.1601.5831.33 4000 K 11.1601.5841.33	32W 24° drill-hole Ø 150 control-gear EL 4300 lm 3000 K 11.1601.5833.33 4000 K 11.1601.5843.33	32W 36° drill-hole Ø 150 control-gear EL 4300 lm 3000 K 11.1601.5835.33 4000 K 11.1601.5845.33	32W 60° drill-hole Ø 150 control-gear EL 4300 lm 3000 K 11.1601.5836.33 4000 K 11.1601.5846.33
□	□	□	□
32W 15° drill-hole Ø 150 control-gear ELD 4300 lm 3000 K 11.1601.5031.33 4000 K 11.1601.5041.33	32W 24° drill-hole Ø 150 control-gear ELD 4300 lm 3000 K 11.1601.5033.33 4000 K 11.1601.5043.33	32W 36° drill-hole Ø 150 control-gear ELD 4300 lm 3000 K 11.1601.5035.33 4000 K 11.1601.5045.33	32W 60° drill-hole Ø 150 control-gear ELD 4300 lm 3000 K 11.1601.5036.33 4000 K 11.1601.5046.33
□	□	□	□
32W 15° drill-hole Ø 150 control-gear ELDD 4300 lm 3000 K 11.1601.5131.33 4000 K 11.1601.5141.33	32W 24° drill-hole Ø 150 control-gear ELDD 4300 lm 3000 K 11.1601.5133.33 4000 K 11.1601.5143.33	32W 36° drill-hole Ø 150 control-gear ELDD 4300 lm 3000 K 11.1601.5135.33 4000 K 11.1601.5145.33	32W 60° drill-hole Ø 150 control-gear ELDD 4300 lm 3000 K 11.1601.5136.33 4000 K 11.1601.5146.33

Accessories

Reflector
Contract orientable

■ □	■ □	■ □	■ □
Reflector for 7W 11.1603.0111	Reflector for 13W 11.1603.0121	Reflector for 18W 11.1603.0131	Reflector for 24-32W 11.1603.0141

Honeycomb mesh

■	■	■	■
Honeycomb mesh for 7W 11.1603.0012.04	Honeycomb mesh for 13W 11.1603.0022.04	Honeycomb mesh for 18W 11.1603.0032.04	Honeycomb mesh for 24 - 32W 11.1603.0042.04

Reference options

11.1601.5351.33



11.1601. □ □ □ □ .33

- | | | | |
|--------|--------------|---------------|---------------------|
| 1- 7W | 8- On/Off | 0- Fashion | 1- 15° |
| 2- 13W | 0- Dim 1-10V | 1- Vegetables | 2- 20° (version 7W) |
| 3- 18W | 1- DALI | 2- 2700K | 3- 24° |
| 4- 25W | | 3- 3000K | 4- 30° (version 7W) |
| 5- 32W | | 4- 4000K | 5- 36° |
| | | 5- 5000K | 6- 60° |
| | | 6- Meat | |
| | | 7- Sausages | |
| | | 8- Fish | |
| | | 9- Bakery | |



Contract Fixed

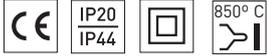


Contract Orientable



Contract Wall washer

Features



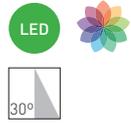
Finishes



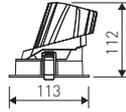
Versions:

Special LED versions on request
2700K and 5000K versions on request

Contract WALL WASHER



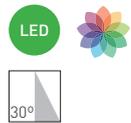
LED and control gear included



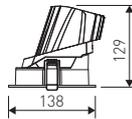
□
13W
30°
drill-hole Ø 100
control-gear EL
1700 lm
3000 K **11.1603.2830.33**
4000 K **11.1603.2840.33**

13W
30°
drill-hole Ø 100
control-gear ELD
1700 lm
3000 K **11.1603.2030.33**
4000 K **11.1603.2040.33**

13W
30°
drill-hole Ø 100
control-gear ELDD
1700 lm
3000 K **11.1603.2130.33**
4000 K **11.1603.2140.33**



LED and control gear included

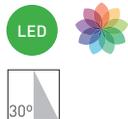


□
18W
30°
drill-hole Ø 125
control-gear EL
2400 lm
3000 K **11.1603.3830.33**
4000 K **11.1603.3840.33**

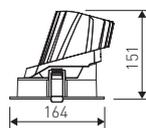
18W
30°
drill-hole Ø 125
control-gear ELD
2400 lm
3000 K **11.1603.3030.33**
4000 K **11.1603.3040.33**

18W
30°
drill-hole Ø 125
control-gear ELDD
2400 lm
3000 K **11.1603.3130.33**
4000 K **11.1603.3140.33**

Contract WALL WASHER



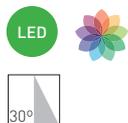
LED and control gear included



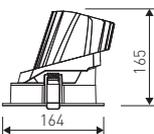
□
25W
30°
drill-hole Ø 150
control-gear EL
3200 lm
3000 K **11.1603.4830.33**
4000 K **11.1603.4840.33**

25W
30°
drill-hole Ø 150
control-gear ELD
3200 lm
3000 K **11.1603.4030.33**
4000 K **11.1603.4040.33**

25W
30°
drill-hole Ø 150
control-gear ELDD
3200 lm
3000 K **11.1603.4130.33**
4000 K **11.1603.4140.33**



LED and control gear included



□
32W
30°
drill-hole Ø 150
control-gear EL
4300 lm
3000 K **11.1603.5830.33**
4000 K **11.1603.5840.33**

32W
30°
drill-hole Ø 150
control-gear ELD
4300 lm
3000 K **11.1603.5030.33**
4000 K **11.1603.5040.33**

32W
30°
drill-hole Ø 150
control-gear ELDD
4300 lm
3000 K **11.1603.5130.33**
4000 K **11.1603.5140.33**

Reference options

11.1603.4830.33



11.1603.



- 2- 13W
- 3- 18W
- 4- 25W
- 5- 32W



- 8- On/Off
- 0- Dim 1-10V
- 1- DALI



- 0- Fashion
- 1- Vegetables
- 2- 2700K
- 3- 3000K
- 4- 4000K
- 5- 5000K
- 6- Meat
- 7- Sausages
- 8- Fish
- 9- Bakery

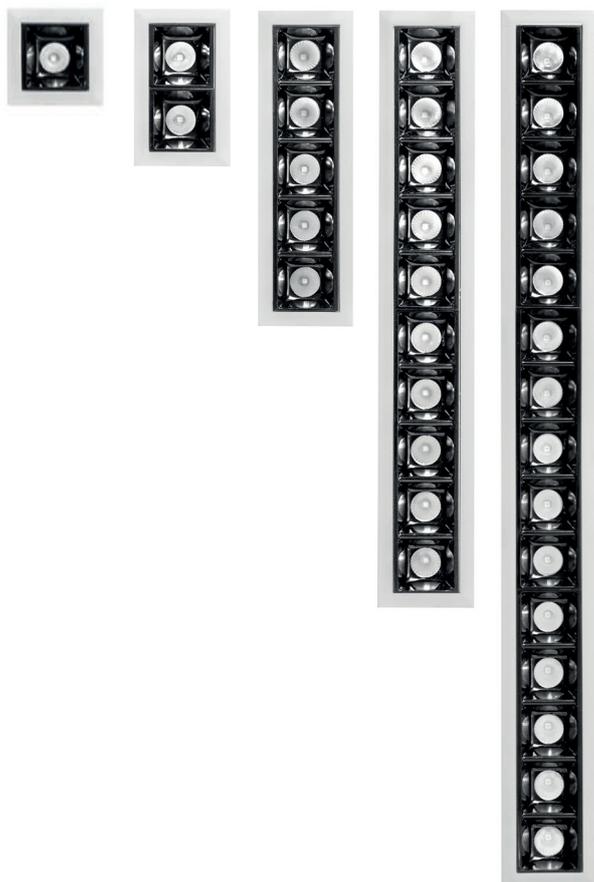
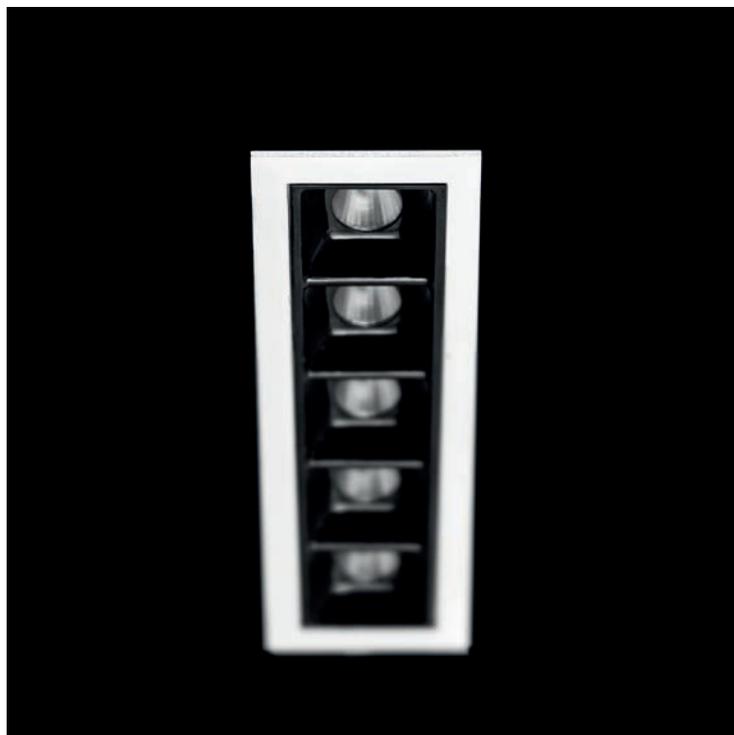
0.33

Simplicity and flexibility to integrate a minimalist architecture, that invites us to look at from another point of view to find solutions that break with the rigidity of the established canons.

Ideal for Hospitality sector facilities, such as hotels, bars, cafes, residential and office sector.

Features

LED recessed luminaire designed with a minimalist rectangular shape. Housing built in die-cast aluminum with black buffer made of polycarbonate. Optical system designed to provide diffused light distribution, based on high efficiency reflectors and transparent PMMA micro-prismatic diffuser with optimized geometry texture. The special acrylic material-film combined with the light distribution of the reflector ensures a comfortable level of lighting. Electronic power supply connected to the luminaire included.



Power

LED 2W, 4W, 10W, 20W, 30W

Beam

18°, 25°, 45°

Colour temperature

2700K warm white - CRI \geq 90

3000K warm white - CRI \geq 90

Nominal lumen output

2W - 220 lm, 4W - 440 lm, 10W - 1100 lm, 20W - 2200 lm, 30W - 3300 lm

Control gear

Electronic (EL)

IP

IP 44

Finishes

Black (04)

White (63)

Supply voltage

220... 240V, 50/60Hz

Installation

Installation fixed in ceiling

Features



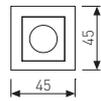
Finishes



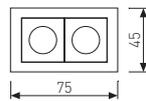
To complete the product reference, add finish

Versions:

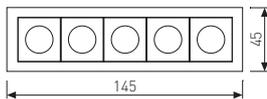
Dimables versions on request



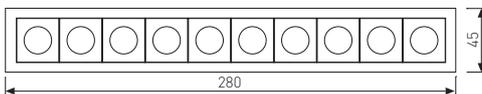
Color	Color	Color
2W 18° drill-hole 35 x 35 control gear EL 220 lm 2700K 11.1701.1211 3000K 11.1701.1311	2W 25° drill-hole 35 x 35 control gear EL 220 lm 2700K 11.1701.1221 3000K 11.1701.1321	2W 45° drill-hole 35 x 35 control gear EL 220 lm 2700K 11.1701.1241 3000K 11.1701.1341



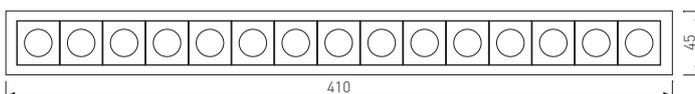
Color	Color	Color
4W 18° drill-hole 35 x 65 control gear EL 440 lm 2700K 11.1701.2311 3000K 11.1701.2311	4W 25° drill-hole 35 x 65 control gear EL 440 lm 2700K 11.1701.2321 3000K 11.1701.2321	4W 45° drill-hole 35 x 65 control gear EL 440 lm 2700K 11.1701.2241 3000K 11.1701.2341



Color	Color	Color
10W 18° drill-hole 35 x 135 control gear EL 1100 lm 2700K 11.1701.3211 3000K 11.1701.3311	10W 25° drill-hole 35 x 135 control gear EL 1100 lm 2700K 11.1701.3221 3000K 11.1701.3321	10W 45° drill-hole 35 x 135 control gear EL 1100 lm 2700K 11.1701.3241 3000K 11.1701.3341



Color	Color	Color
20W 18° drill-hole 35 x 270 control gear EL 2200 lm 2700K 11.1701.4211 3000K 11.1701.4311	20W 25° drill-hole 35 x 270 control gear EL 2200 lm 2700K 11.1701.4221 3000K 11.1701.4321	20W 45° drill-hole 35 x 270 control gear EL 2200 lm 2700K 11.1701.4241 3000K 11.1701.4341



Color	Color	Color
30W 18° drill-hole 35 x 400 control gear EL 3300 lm 2700K 11.1701.5211 3000K 11.1701.5311	30W 25° drill-hole 35 x 400 control gear EL 3300 lm 2700K 11.1701.5221 3000K 11.1701.5321	30W 45° drill-hole 35 x 400 control gear EL 3300 lm 2700K 11.1701.5241 3000K 11.1701.5341

Recessed and minimalist downlight designed for easy integration in the architecture, to create ambient and functional light at once. Focus is aimed to these professional projects where differential features are important for the space design.

Suitable for the retail, offices, hotels and restaurants projects, as well as for residential applications where differential features, such as integration, energy saving efficiency and durability are the base of the space design

Features

Optical system set a lens-reflector. Reflector and heat-sink built in aluminium. Installation clamps integrated in the secondary reflector that acts also as installation trim.

Installation

Ceiling recessed installation.



Power

LED 5W, 10W, 15W

Beam

15°, 24°, 38°

Colour temperature

2700K warm white - CRI \geq 90

3000K warm white - CRI \geq 90

Nominal lumen output

5W - 400 lm, 10W - 800 lm, 15W - 1200 lm

Control gear

Electronic (EL)

Electronic Dimmer (ELD) under demand

IP

IP 20/44

Finishes

White (63)

Black (04)

Cooper (85)

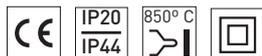
Supply voltage

220... 240V, 50/60Hz

Installation

Recessed ceiling

Features



Finishes



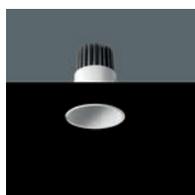
To complete the product reference, add finish

Versions:

Dimables versions on request

LED

LED and control gear included



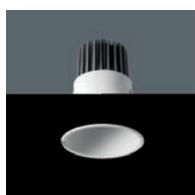
5W
15°
drill-hole Ø45
control gear EL
400 lm
2700K **11.1704.1121**
3000K **11.1704.1131**



5W
24°
drill-hole Ø45
control gear EL
400 lm
2700K **11.1704.1122**
3000K **11.1704.1132**



5W
38°
drill-hole Ø45
control gear EL
400 lm
2700K **11.1704.1123**
3000K **11.1704.1133**



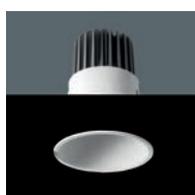
10W
15°
drill-hole Ø70
control gear EL
800 lm
2700K **11.1704.2121**
3000K **11.1704.2131**



10W
24°
drill-hole Ø70
control gear EL
800 lm
2700K **11.1704.2122**
3000K **11.1704.2132**



10W
38°
drill-hole Ø70
control gear EL
800 lm
2700K **11.1704.2123**
3000K **11.1704.2133**



15W
15°
drill-hole Ø85
control gear EL
1200 lm
2700K **11.1704.3121**
3000K **11.1704.3131**



15W
24°
drill-hole Ø85
control gear EL
1200 lm
2700K **11.1704.3122**
3000K **11.1704.3132**



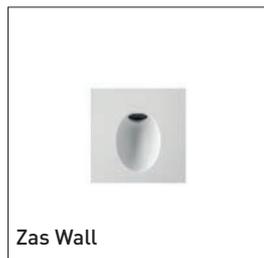
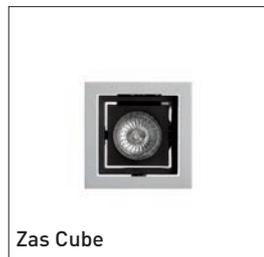
15W
38°
drill-hole Ø85
control gear EL
1200 lm
2700K **11.1704.3123**
3000K **11.1704.3133**



Recessed small downlight LED with a square frame and with Cardan system. Great energy savings in general lighting applications. Guidance system that provides multiple options commercial and residential spaces lighting.

 **LED personalisation**

Option to incorporate new light sources designed to offer excellent colour reproduction to create products for very specific segments. On request.



Power
LED 2W, 13W, 25W GU10 max. 50W G53 max.100W
Beam
2W - asymmetric 13W - 25°, 40° 25W - 25°, 40°
Colour temperature
3000K warm white - CRI ≥ 80 4000K neutral white - CRI ≥ 80 2700K - 5000K tuneable white on demand
Nominal lumen output
2W - 150 lm, 13W - 2000 lm, 25W - 3500 lm
Control gear
Electronic (EL) Electronic Dimmer (ELD) Electronic Dimmer DALI (ELDD)
IP
IP20, IP20/44
Finishes
White (33) - (53) Black (04) Grey (21)
Supply voltage
220... 240V, 50/60Hz
Installation
Recessed installation on roof

mini Zas Cardan

Built in coated sheet steel and composed of two concentric injected aluminium rings, linked by their axes with individual lens tilting systems.

Wire channel for cable derivation and connection terminal blocks included. Installation using sliding sheet steel parts to fix the luminaire to the ceiling hole.

Its reduced size format makes it ideal for applications in the Hospitality segment (hotels, bars, cafes) as well as in retail fashion or in the residential.



Features



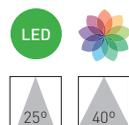
Finishes



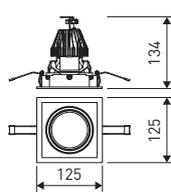
To complete the product reference, add finish.

Versions:

Special LED versions on request
 DIMMER (ELD) versions on request
 DIMMER DALI (ELDD) versions on request
 2700K and 5000K versions on request
 Tuneable white versions from 2700K to 5000K on request



LED and control gear included

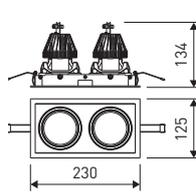


■ ■ ■
 13W
 25°
 drill-hole 110 x 110
 control-gear EL
 2000 lm
 3000K **11.1518.1831**
 4000K **11.1518.1841**

■ ■ ■
 13W
 40°
 drill-hole 110 x 110
 control-gear EL
 2000 lm
 3000K **11.1518.1832**
 4000K **11.1518.1842**

■ ■ ■
 25W
 25°
 drill-hole 110 x 110
 control-gear EL
 3500 lm
 3000K **11.1518.2831**
 4000K **11.1518.2841**

■ ■ ■
 25W
 40°
 drill-hole 110 x 110
 control-gear EL
 3500 lm
 3000K **11.1518.2832**
 4000K **11.1518.2842**



■ ■ ■
 2x13W
 25°
 drill-hole 110 x 215
 control-gear EL
 2x2000 lm
 3000K **11.1518.3831**
 4000K **11.1518.3841**

■ ■ ■
 2x13W
 40°
 drill-hole 110 x 215
 control-gear EL
 2x2000 lm
 3000K **11.1518.3832**
 4000K **11.1518.3842**

■ ■ ■
 2x25W
 25°
 drill-hole 110 x 215
 control-gear EL
 2x3500 lm
 3000K **11.1518.4831**
 4000K **11.1518.4841**

■ ■ ■
 2x25W
 40°
 drill-hole 110 x 215
 control-gear EL
 2x3500 lm
 3000K **11.1518.4832**
 4000K **11.1518.4842**

Features



Finishes

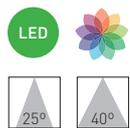


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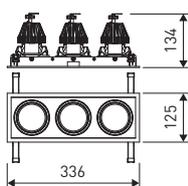
Versions:

- Special LED versions on request
- DIMMER (ELD) versions on request
- DIMMER DALI (ELDD) versions on request
- 2700K and 5000K versions on request
- Tunable white versions from 2700K to 5000K on request

mini Zas Cardan



LED and control gear included



3x13W
25°
drill-hole 110 x 321
control-gear EL
3x2000 lm
3000K **11.1518.5831**
4000K **11.1518.5841**

3x13W
40°
drill-hole 110 x 321
control-gear EL
3x2000 lm
3000K **11.1518.5832**
4000K **11.1518.5842**

3x25W
25°
drill-hole 110 x 321
control-gear EL
3x3500 lm
3000K **11.1518.6831**
4000K **11.1518.6841**

3x25W
40°
drill-hole 110 x 321
control-gear EL
3x3500 lm
3000K **11.1518.6832**
4000K **11.1518.6842**

Reference options

11.1518.3851.33



11.1518.



- 1- 13W
- 2- 25W
- 3- 2x13W
- 4- 2x25W
- 5- 3x13W
- 6- 3x25W



- 0- On/Off
(for special LEDs)
- 8- On/Off
(CRI80 for 2700K,4000K, 5000K)
- 2- Dim 1-10V
- 3- DALI
- 9- 2700K - 5000K TW



- 0- Fashion
- 1- Vegetables
- 2- 2700 K
- 3- 3000K
- 4- 4000K
- 5- 5000 K
- 6- Meat
- 7- Sausages
- 8- Fish
- 9- Bakery



- 1- 25°
- 2- 40°



- 04- black
- 21- grey
- 33- white

Features



Finishes

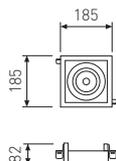


To complete the product reference, add finish

Zas Cardan

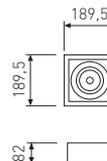
LED G53 QR 111

For LED lamp



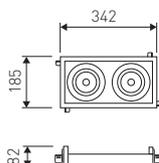
WITH frame

■ ■ ■
 máx.100W
 drill-hole 170 x 170
11.0453.0001

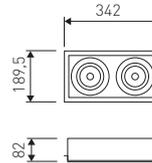


WITHOUT frame

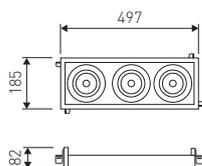
■ ■ ■
 máx. 100W
 drill-hole 165 x 165
11.0553.0001



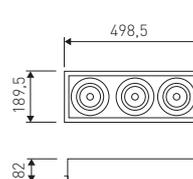
■ ■ ■
 2 x máx.100W
 drill-hole 170 x 325
11.0453.0002



■ ■ ■
 2 x máx.100W
 drill-hole 165 x 320
11.0553.0002



■ ■ ■
 3 x máx.100W
 drill-hole 170 x 480
11.0453.0003



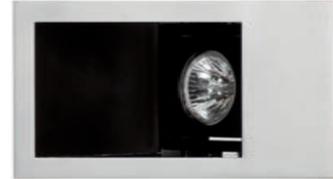
■ ■ ■
 3 x máx.100W
 drill-hole 165 x 472
11.0453.0003

Zas Cube

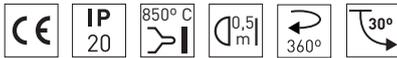
Black or white lacquered steel plate housing according to version and square tilt rings in die-cast aluminium.

External square frame. Finishes of the outer frame: white or grey.

Stainless steel spring clips. Wire channel for derivation, and connection terminal blocks are included.



Features



Control gear required

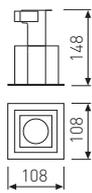
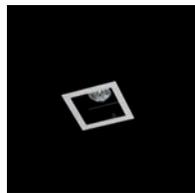
Finishes



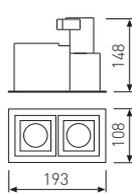
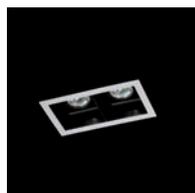
To complete the product reference, add finish

LED GU10

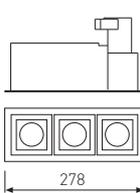
For LED lamp



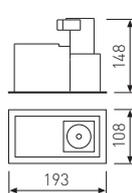
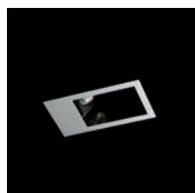
max 50W
drill 94 x 94
11.0452.0001



2 x max 50W
drill 94 x 175
11.0452.0002



3 x max 50W
drill 94 x 265
11.0452.0003



max 50W
drill 94 x 175
11.0452.0004

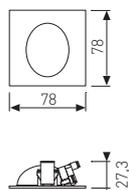
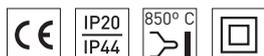
Wallwasher beam

Zas Wall

Small size recessed wall fixtures built in injected aluminium. Body designed to provide asymmetric beams, ideal for Beaconing installed at low height in all kinds of facilities: Hotels, residential, commercial, theatres, cinemas, auditoriums, airports.... LED and driver integrated.

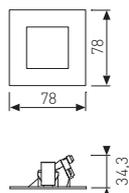


Features



□
2W
asymmetric
drill -hole Ø65
control-gear EL
150 lm
3000K **11.1605.0031.33**
4000K **11.1605.0041.33**

LED and control gear included

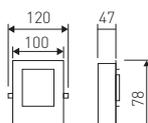


□
2W
asymmetric
drill -hole Ø65
control-gear EL
150 lm
3000K **11.1605.0032.33**
4000K **11.1605.0042.33**

LED and control gear included

Accessories Zas Wall

Housing
11.1605.1901.00



Optics downlights are ideal luminaires for applications in general lighting. They are an innovative solution for its excellent construction, simple but strong and efficient. Optics range set latest LED generation, high quality electronic drivers and high efficient reflectors. Optics are especially designed to accomplish with regulations that guarantee excellent visual comfort and minimize the energy consumption. Remark its long service life due to its robust and enduring design.



Optics Comfort



Optics ELITE
large spaces heights

Power

12W, 20,4W, 31,5W, 54W

Beam

LED 25°, 50°, 80°

Colour temperature

3000K warm white - CRI ≥ 80

4000K neutral white - CRI ≥ 80

2700K - 5000K tuneable white

Nominal lumen output

12W - 2000 lm, 20,4W - 3300 lm, 31,5W - 4600 lm, 54W - 8000 lm

Control gear

Electronic (EL)

Electronic Dimmer (ELD)

Electronic Dimmer DALI (ELDD)

Emergency

IP

IP20

Finishes

White

Supply voltage

220...230V, 50/60Hz

Installation

Recessed ceiling

Optics Comfort

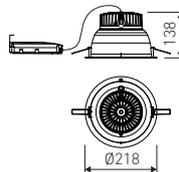
Optics Comfort is synonymous of efficiency and comfort. Optics Comfort set an efficient and highly comfy reflector that limits eye fatigue and look with favour on the people well-being to those users of lighted spaces with the TROLL range Optics Comfort. The range is specially designed for lighting working and studying

spaces, such as offices, classrooms, libraries meeting rooms. Also for the general lighting of spaces where glare is an important factor to keep in mind as bookstores, day-care centres, waiting rooms, hospital rooms...

Features



LED and control gear included

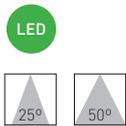
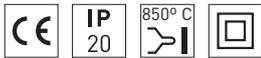


UGR <19	□	12W 80° cut-hole Ø200 control gear EL 2000 lm 3000K 11.1703.1301.33 4000K 11.1703.1401.33	□	12W 80° cut-hole Ø200 control gear ELD 2000 lm 3000K 11.1703.1302.33 4000K 11.1703.1402.33	□	12W 80° cut-hole Ø200 control gear ELDD 2000 lm 3000K 11.1703.1303.33 4000K 11.1703.1403.33	□	12W 80° cut-hole Ø200 control gear EL+ EM 2000 lm 3000K 11.1703.1304.33 4000K 11.1703.1404.33
	□	20,4W 80° cut-hole Ø200 control gear EL 3300 lm 3000K 11.1703.2301.33 4000K 11.1703.2401.33	□	20,4W 80° cut-hole Ø200 control gear ELD 3300 lm 3000K 11.1703.2302.33 4000K 11.1703.2402.33	□	20,4W 80° cut-hole Ø200 control gear ELDD 3300 lm 3000K 11.1703.2303.33 4000K 11.1703.2403.33	□	20,4W 80° cut-hole Ø200 control gear EL+ EM 3300 lm 3000K 11.1703.2304.33 4000K 11.1703.2404.33
	□	31,5W 80° cut-hole Ø200 control gear EL 4600 lm 3000K 11.1703.3301.33 4000K 11.1703.3401.33	□	31,5W 80° cut-hole Ø200 control gear ELD 4600 lm 3000K 11.1703.3302.33 4000K 11.1703.3402.33	□	31,5W 80° cut-hole Ø200 control gear ELDD 4600 lm 3000K 11.1703.3303.33 4000K 11.1703.3403.33	□	31,5W 80° cut-hole Ø200 control gear EL+ EM 4600 lm 3000K 11.1703.3304.33 4000K 11.1703.3404.33
	□	12W 80° cut-hole Ø200 control gear TW 2000 lm 2700K-5000K 11.1703.1009.33	□	21W 80° cut-hole Ø200 control gear TW 3000 lm 2700K- 5000K 11.1703.2009.33				

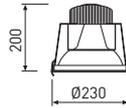
Optics Elite large spaces heights

Special version designed for large spaces heights up to 6m.
Includes a high performance next-generation CoB LED with passive dissipation, anodised aluminium reflector and white-painted secondary reflector.

Features



LED and control gear included



□
54W
25°
cut-hole Ø218
control gear EL
8000 lm
3000K **0585L/I6083/33**
4000K **0585L/I6084/33**

□
54W
50°
cut-hole Ø218
control gear EL
8000 lm
3000K **0585L/E6083/33**
4000K **0585L/E6084/33**

54W
25°
cut-hole Ø218
control gear ELD
8000 lm
3000K **0585L/I6083D/33**
4000K **0585L/I6084D/33**

54W
50°
cut-hole Ø218
control gear ELD
8000 lm
3000K **0585L/E6083D/33**
4000K **0585L/E6084D/33**

54W
25°
cut-hole Ø218
control gear ELDD
8000 lm
3000K **0585L/I6083DD/33**
4000K **0585L/I6084DD/33**

54W
50°
cut-hole Ø218
control gear ELDD
8000 lm
3000K **0585L/E6083DD/33**
4000K **0585L/E6084DD/33**



Barcelona Airport T1, Spain

Recessed small downlight LED aimed at a professional public that requires quality lighting and the maximum energetic saving. Specially designed to meet the lighting requirements of hotels, commercial buildings and other commercial spaces that require small luminaires.

Features

Downlight built with a plastic body and aluminium heat sink. Fixed and adjustable versions. High-quality aluminium reflectors. The front elements, available as accessories, are held by magnets, which can easily replace such items and makes installation easier. Latest-generation LED and driver included.



Power

LED 10W, 15W

Beam

LED 10W 15°, 24°, 40°

LED 15W 15°, 24°, 40°

Colour temperature

3000K warm white - CRI ≥ 80

4000K neutral white - CRI ≥ 80

Nominal lumen output

10W - 700 lm, 15W - 1300 lm

Control gear

Electronic (EL)

IP

IP20 / 44

Finishes

White (33)

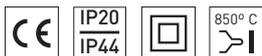
Supply voltage

220... 240V, 50/60Hz

Installation

Recessed ceiling

Features



Versions:

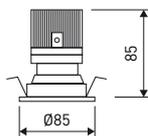
Electronic Dimmer (ELD) on request
Electronic Dimmer DALI (ELDD) on request

Pinhole FIXED

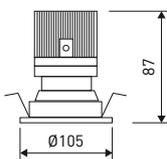
LED

Luminaire to complete with available accessories

LED and control gear included



□	□	□
10W	10W	10W
15°	24°	40°
drill-hole Ø75	drill-hole Ø75	drill-hole Ø75
control gear EL	control gear EL	control gear EL
700 lm	700 lm	700 lm
3000K 11.1547.0301.33	3000K 11.1547.0302.33	3000K 11.1547.0304.33
4000K 11.1547.0401.33	4000K 11.1547.0402.33	4000K 11.1547.0404.33



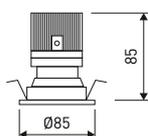
15W	15W	15W
15°	24°	40°
drill-hole Ø95	drill-hole Ø95	drill-hole Ø95
control gear EL	control gear EL	control gear EL
1300 lm	1300 lm	1300 lm
3000K 11.1547.5301.33	3000K 11.1547.5302.33	3000K 11.1547.5304.33
4000K 11.1547.5401.33	4000K 11.1547.5402.33	4000K 11.1547.5404.33

Pinhole ORIENTABLE

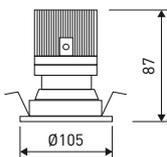
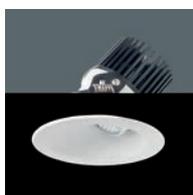
LED

Luminaire to complete with available accessories

LED and control gear included



□	□	□
10W	10W	10W
15°	24°	40°
drill-hole Ø75	drill-hole Ø75	drill-hole Ø75
control gear EL	control gear EL	control gear EL
700 lm	700 lm	700 lm
3000K 11.1547.0311.33	3000K 11.1547.0312.33	3000K 11.1547.0314.33
4000K 11.1547.0411.33	4000K 11.1547.0412.33	4000K 11.1547.0414.33



15W	15W	15W
15°	24°	40°
drill-hole Ø95	drill-hole Ø95	drill-hole Ø95
control gear EL	control gear EL	control gear EL
1300 lm	1300 lm	1300 lm
3000K 11.1547.5311.33	3000K 11.1547.5312.33	3000K 11.1547.5314.33
4000K 11.1547.5411.33	4000K 11.1547.5412.33	4000K 11.1547.5414.33

Finishes



To complete the product reference, add finish

Decorative Trims

Special colours on demand



■ □
10W **11.1547.0001**
15W **11.1547.5001**
Fixed



■ □
10W **11.1547.0002**
15W **11.1547.5002**
Fixed / Orientable



■ □
10W **11.1547.0006**
15W **11.1547.5006**
Fixed / Orientable
SQUARE



■ □
10W **11.1547.0003**
15W **11.1547.5003**
Orientable



■ □
10W **11.1547.0004**
15W **11.1547.5004**
Fixed / Orientable



■ □
10W **11.1547.0007**
15W **11.1547.5007**
Fixed / Orientable
SQUARE



■ □
10W **11.1547.0005**
15W **11.1547.5005**
Fixed / Orientable

Reference options

11.1547.0342.33



11.1547.



0- 10W
5- 15W



3- 3000K
4- 4000K



0- On/Off, Fixed
1- On/Off, Orientable
2- Dim 1-10V, Fixed
3- Dim 1-10V, Orientable
4- DALI, Fixed
5- DALI, Orientable



1- 15°
2- 24°
4- 40°

.33



Parliament Singapur, Singapur

Angle is a range of varying products united by a common feature, tilting reflectors. This allows the downlight reflector to be adjusted, and accent lighting on vertical planes, as required. Especially suitable for commercial establishments.

Features

Injected aluminium housing and exterior trim. High-purity aluminium faceted reflector. Steel spring clips. Tilting system and adjustment for the optic group at any point on semi-sphere.



LED personalisation

Option to incorporate new light sources designed to offer excellent colour reproduction to create products for very specific segments. On request.



Banco de Estado, Chile.
Picture from Contract Workplaces.

Power

LED 25W, 37W

Beam

LED 20°, 40°

Colour temperature

3000K warm white - CRI \geq 80

4000K neutral white - CRI \geq 80

2700K - 5000K tuneable white on demand

Nominal lumen output

LED 25W - 3500 lm, 37W - 5100 lm

Control gear

Electronic (EL)

Electronic Dimmer (ELD)

Electronic Dimmer DALI (ELDD)

IP

IP20 /44

Finishes

White (33)

Supply voltage

220... 240V, 50/60Hz

Installation

Recessed ceiling

Complete downlight programme that ensures efficient lighting with minimum consumption and ensures visual comfort for general lighting applications.

Features

Downlight with die-cast aluminium body, plastic front piece and polycarbonate diffuser. The sink design provides excellent heat dissipation. LEDs and driver included. 1-10V and DALI dimmable versions available.



Banco de Estado, Chile.
Picture from Contract Workplaces.

Power

LED 8W, 12W, 21W, 22W, 30W, 38W

Beam

80°

Colour temperature

3000K warm white - CRI ≥ 80

4000K neutral white - CRI ≥ 80

Nominal lumen output

8W - 1000 lm, 12W - 1500 lm, 21W - 3000 lm, 22W - 3100 lm,

30W - 4500 lm, 38W - 5100 lm

Control gear

Electronic (EL)

Electronic Dimmer (ELD)

Electronic Dimmer DALI (ELDD)

IP

IP20 / 54

Finishes

White (33)

Supply voltage

220... 240V, 50/60Hz

Installation

Recessed ceiling

Features



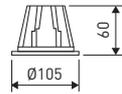
Versions:

Emergency kit on demand
for power 12W, 21W, 22W, 30W and 38W

LED



LED and control gear included



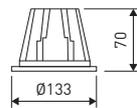
8W
80°
drill-hole Ø 95
control-gear EL
1000 lm
3000K **11.1546.3108.33**
4000K **11.1546.4108.33**



8W
80°
drill-hole Ø 95
control-gear ELD
1000 lm
3000K **11.1546.3100.33**
4000K **11.1546.4100.33**



8W
80°
drill-hole Ø 95
control-gear ELDD
1000 lm
3000K **11.1546.3101.33**
4000K **11.1546.4101.33**



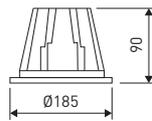
12W
80°
drill-hole Ø 120
control-gear EL
1500 lm
3000K **11.1546.3158.33**
4000K **11.1546.4158.33**



12W
80°
drill-hole Ø 120
control-gear ELD
1500 lm
3000K **11.1546.3150.33**
4000K **11.1546.4150.33**



12W
80°
drill-hole Ø 120
control-gear ELDD
1500 lm
3000K **11.1546.3151.33**
4000K **11.1546.4151.33**



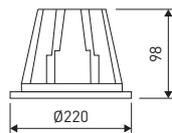
21W
80°
drill-hole Ø 175
control-gear EL
3000 lm
3000K **11.1546.3248.33**
4000K **11.1546.4248.33**



21W
80°
drill-hole Ø 175
control-gear ELD
3000 lm
3000K **11.1546.3240.33**
4000K **11.1546.4240.33**



21W
80°
drill-hole Ø 175
control-gear ELDD
3000 lm
3000K **11.1546.3241.33**
4000K **11.1546.4241.33**



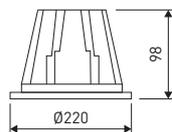
22W
80°
drill-hole Ø 200
control-gear EL
3100 lm
3000K **11.1546.3258.33**
4000K **11.1546.4258.33**



22W
80°
drill-hole Ø 200
control-gear ELD
3100 lm
3000K **11.1546.3250.33**
4000K **11.1546.4250.33**



22W
80°
drill-hole Ø 200
control-gear ELDD
3100 lm
3000K **11.1546.3251.33**
4000K **11.1546.4251.33**



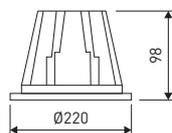
30W
80°
drill-hole Ø 200
control-gear EL
4500 lm
3000K **11.1546.3358.33**
4000K **11.1546.4358.33**



30W
80°
drill-hole Ø 200
control-gear ELD
4500 lm
3000K **11.1546.3350.33**
4000K **11.1546.4350.33**



30W
80°
drill-hole Ø 200
control-gear ELDD
4500 lm
3000K **11.1546.3351.33**
4000K **11.1546.4351.33**



38W
80°
drill-hole Ø 200
control-gear EL
5100 lm
3000K **11.1546.3428.33**
4000K **11.1546.4428.33**



38W
80°
drill-hole Ø 200
control-gear ELD
5100 lm
3000K **11.1546.3420.33**
4000K **11.1546.4420.33**



38W
80°
drill-hole Ø 200
control-gear ELDD
5100 lm
3000K **11.1546.3421.33**
4000K **11.1546.4421.33**

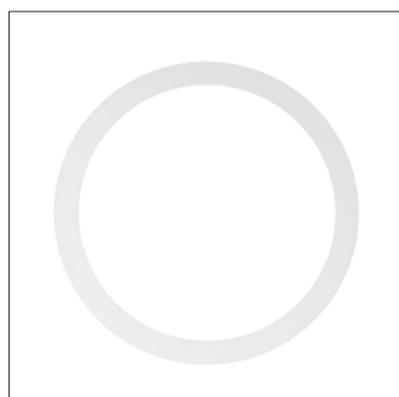
Recessed LED downlight with minimum consumption and low embedment level. An optimal solution for functional applications of general lighting in offices, back rooms, passing areas, stairways ...

Features

Downlights with body made of polycarbonate.
Opal diffuser.

Installation

Recessed ceiling installation.



Power

LED 4,5W, 13W, 20W

Beam

90°, 100°

Colour temperature

4000K neutral white - CRI ≥ 80

Nominal lumen output

4.5W - 500 lm, 13W - 1600 lm, 20W - 2300 lm

Control gear

Electronic (EL)

IP

IP 20

Finishes

White (33)

Supply voltage

220... 230V, 50/60Hz

Installation

Recessed ceiling

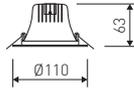
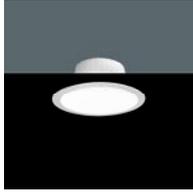
Features



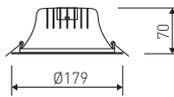
LED



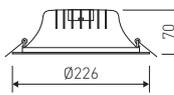
LED and control gear included



□
4,5W
100°
drill-hole Ø90
control gear EL
500 lm
4000K **11.1525.0008.33**



□
13W
100°
drill-hole Ø150
control gear EL
1600 lm
4000K **11.1525.0010.33**



□
20W
90°
drill-hole Ø200
control gear EL
2300 lm
4000K **11.1525.0005.33**



Adjustable recessed LED downlight aimed at a professional audience looking for a degree of differentiation. Suitable for commercial, domestic spaces, or corporate headquarters seeking differential attributes such as energy saving, small size lights, durability and a perfect light beam.

Features

Downlight built with a die-cast aluminium body, injected aluminium diffuser. Cardan rotation system adjustable 30 degrees in two directions
High-quality aluminium reflectors. Latest generation LEDs driver included. 1-10V and DALI dimmable versions available.

 **LED personalisation**

Option to incorporate new light sources designed to offer excellent colour reproduction to create products for very specific segments. On request.



7W - IP20 / 65



7W - IP20 / 44



13W, 18W, 25W, 32W - IP20 / 44

Power

LED 7W, 13W,18W,25W, 32W

Beam

LED 7W 20°, 40°, 50°
LED 13W 15°, 24°, 36°
LED 18W 15°, 24°, 36°
LED 25W 15°, 24°, 36°
LED 32W 15°, 24°, 36°

Colour temperature

3000K warm white - CRI ≥ 80
4000K neutral white - CRI ≥ 80

Nominal lumen output

7W - 650 lm, 13W - 1600 lm,
18W - 2300 lm, 25W - 3100 lm, 32W - 4200 lm

Control gear

Electronic (EL)
Electronic Dimmer (ELD)
Electronic Dimmer DALI (ELDD)

IP

IP 20 / 44 - LED 7W
IP 20 / 65 - LED 7W
IP 20 / 44 - LED 13W, 18W, 25W, 32W

Finishes

White

Supply voltage

220... 230V, 50/60Hz

Installation

Recessed ceiling

Features



Finishes

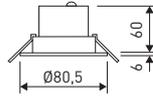


To complete the product reference, add finish

LED



LED and control gear included



□
7W
50°
drill-hole Ø70
control gear EL
650 lm
3000K **11.0147.1311.33**
4000K **11.0147.1411.33**

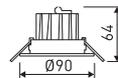
□
7W
50°
drill-hole Ø70
control gear ELD
650 lm
3000K **11.0147.1312.33**
4000K **11.0147.1412.33**

7W
50°
drill-hole Ø70
control gear ELDD
650 lm
3000K **11.0147.1313.33**
4000K **11.0147.1413.33**

LED



LED and control gear included



□
7W
20°
drill-hole Ø76
control gear EL
650 lm
3000K **0147L/8320/33**
4000K **0147L/8420/33**

□
7W
20°
drill-hole Ø76
control gear ELD
650 lm
3000K **0147L/8320D/33**
4000K **0147L/8420D/33**

□
7W
20°
drill-hole Ø76
control gear ELDD
650 lm
3000K **0147L/8320DD/33**
4000K **0147L/8420DD/33**

7W
40°
drill-hole Ø76
control gear EL
650 lm
3000K **0147L/8340/33**
4000K **0147L/8440/33**

7W
40°
drill-hole Ø76
control gear ELD
650 lm
3000K **0147L/8340D/33**
4000K **0147L/8440D/33**

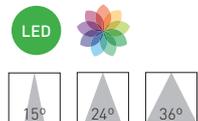
7W
40°
drill-hole Ø76
control gear ELDD
650 lm
3000K **0147L/8340DD/33**
4000K **0147L/8440DD/33**

Features

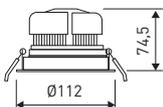


Versions:

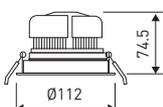
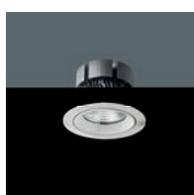
Special LED versions on request
DIMMER versions on request (ELD)
DIMMER DALI versions on request (ELDD)
2700K and 5000K versions on request



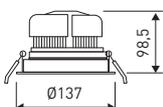
LED and control gear included



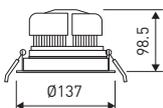
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
13W	13W	13W
15°	24°	36°
drill-hole Ø100	drill-hole Ø100	drill-hole Ø100
control-gear EL	control-gear EL	control-gear EL
1600 lm	1600 lm	1600 lm
3000K 11.1604.2831.33	3000K 11.1604.2833.33	3000K 11.1604.2835.33
4000K 11.1604.2841.33	4000K 11.1604.2843.33	4000K 11.1604.2845.33



<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
18W	18W	18W
15°	24°	36°
drill-hole Ø100	drill-hole Ø100	drill-hole Ø100
control-gear EL	control-gear EL	control-gear EL
2300 lm	2300 lm	2300 lm
3000K 11.1604.3831.33	3000K 11.1604.3833.33	3000K 11.1604.3835.33
4000K 11.1604.3841.33	4000K 11.1604.3843.33	4000K 11.1604.3845.33



<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
25W	25W	25W
15°	24°	36°
drill-hole Ø125	drill-hole Ø125	drill-hole Ø125
control-gear EL	control-gear EL	control-gear EL
3100 lm	3100 lm	3100 lm
3000K 11.1604.4831.33	3000K 11.1604.4833.33	3000K 11.1604.4835.33
4000K 11.1604.4841.33	4000K 11.1604.4843.33	4000K 11.1604.4845.33



<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
32W	32W	32W
15°	24°	36°
drill-hole Ø125	drill-hole Ø125	drill-hole Ø125
control-gear EL	control-gear EL	control-gear EL
4200 lm	4200 lm	4200 lm
3000K 11.1604.5831.33	3000K 11.1604.5833.33	3000K 11.1604.5835.33
4000K 11.1604.5841.33	4000K 11.1604.5843.33	4000K 11.1604.5845.33

Reference options

11.1604.2813.33



11.1604. .33

- | | | | |
|--------|--------------|---------------|--------|
| 2- 13W | 8- On/Off | 0- Fashion | 1- 15° |
| 3- 18W | 2- Dim 1-10V | 1- Vegetables | 3- 24° |
| 4- 25W | 3- DALI | 2- 2700K | 5- 36° |
| 5- 32W | | 3- 3000K | |
| | | 4- 4000K | |
| | | 5- 5000K | |
| | | 6- Meat | |
| | | 7- Sausages | |
| | | 8- Fish | |
| | | 9- Bakery | |



Saam office, Chile.
Picture from Contract Workplaces.

IN

ARCHITECTURAL p. 14

TRACKLIGHTS p. 64

RECESSED DOWNLIGHTS p. 100

RECESSED LUMINAIRES p. 158

RECESSED LINEARS p. 172

SURFACE DOWNLIGHTS p. 178

SURFACE LUMINAIRES p. 192

SURFACE LINEARS p. 204

WALL SCONCES p. 224

INDUSTRIAL p. 234

LINEALED p. 246

HEALTH & CARE p. 262

3

RECESSED LUMINAIRES



Smartpanel
p. 160



Panel
p. 162



Backlite
p. 166



Led Louver
p. 168



Soft Light
p. 170

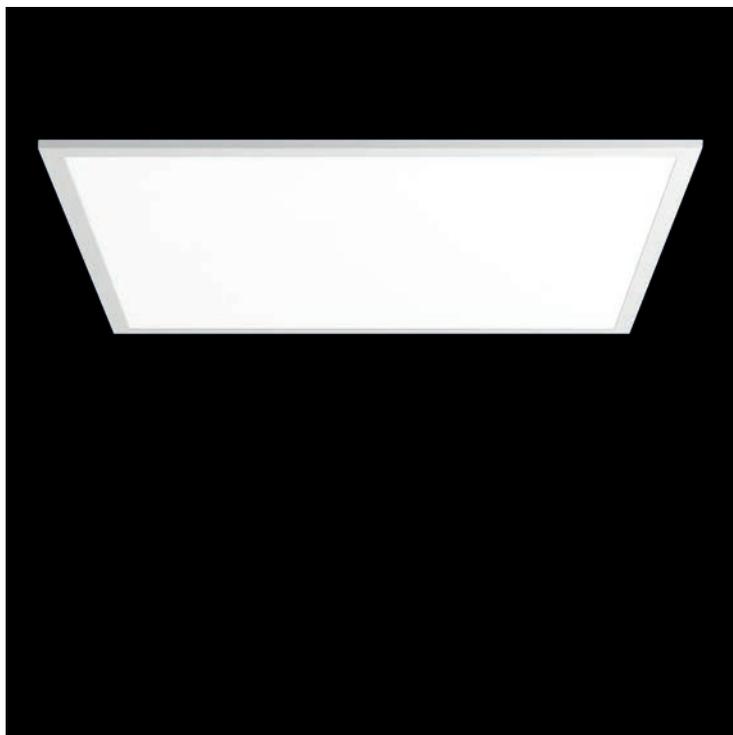
Great installation versatility on different types of ceilings, the range of luminaires for LEDs are characterised by high yields and the possibility of choosing from a variety of models and optical depending on the desired appearance and visual comfort.

Features

Body built in white-painted steel. Minimum body height 57mm. Optical unit consisting of a high purity aluminium reflector prismatic polycarbonate. Several formats: 600x600, 1200x300 and 1200x600.

Installation

They adapt to most conventional roofs, both framed and smooth non-modular ones and thanks to embedment frames (accessories)



Power

LED 31W

Beam

116°

Colour temperature

Tuneable white allows Colour Temperature variation among 2700K and 6500K - CRI ≥ 80

Nominal lumen output

31W - 4800 lm

Control gear

Bluetooth dimmable electronic driver allows flux variation from 10% to 100%

IP

IP44/20

Finishes

White (33)

Supply voltage

220... 230V, 50/60Hz

Installation

Recessed ceiling

Accessories

- Accessory for recessed installation in plaster ceilings
- Accessory for surface ceiling installation
- Accessory for ceiling hanging

Features

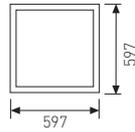
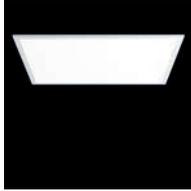


15mm. visible profile
25mm. visible profile

LED

Opal

LED and control gear included



□
31W
116°
profile 600x600
control-gear ELD
4800 lm
2700K-6500K **11.1840.1801.33**

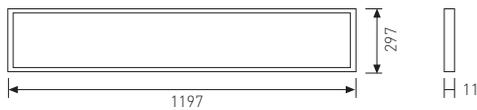
LED

Opal

LED and control gear included

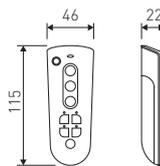


□
31W
116°
profile 300x1200
control-gear ELD
4800 lm
2700K-6500K **11.1840.2801.33**



Accessories

Remote control
11.1840.0001.00

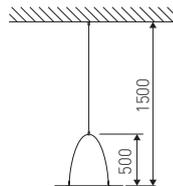


□
accessory for installation on surface
600x600
11.1615.0001.33

□
accessory for installation on surface
300x1200
11.1615.0002.33

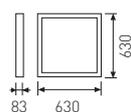
□
Hanging installation 300 x 1200
(with frame)
11.1615.0012.33

□
accessory for installation on suspended
40/L/S/21

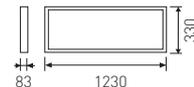


Recessed frame for plaster ceiling installation. It is built in steel sheet white painted with installation clamps included to be fixed into ceiling hole.

Taladro 610 x 610
007/6060



Taladro 1210 x 310
007/12030



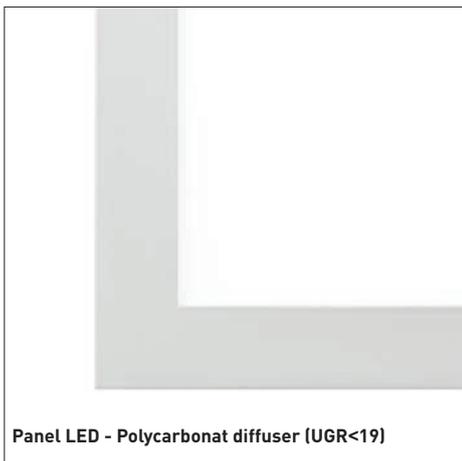
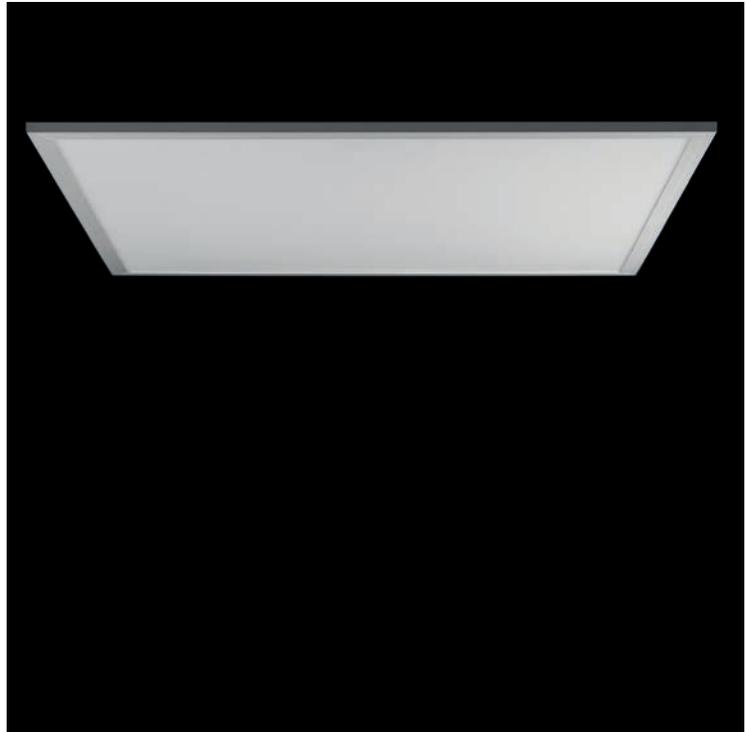
Great installation versatility on different types of ceilings, the range of luminaires for LEDs are characterised by high yields and the possibility of choosing from a variety of models and optical depending on the desired appearance and visual comfort.

Features

Body built in white-painted steel. Minimum body height 57mm. Optical unit consisting of a high purity aluminium reflector prismatic polycarbonate diffuser (UGR < 19). Several formats: 600x600, 1200x300 and 1200x600.

Installation

They adapt to most conventional roofs, both framed and smooth non-modular ones and thanks to embedment frames (accessories).



Power

LED 36W, 62W

Beam

90° (microprismatic), 120° (opal)

Colour temperature

3000K warm white - CRI ≥ 80

4000K neutral white - CRI ≥ 80

Nominal lumen output

36W - 4800 lm, 62W - 7800 lm

Control gear

Electronic (EL)

Electronic Dimmer (ELD)

Electronic Dimmer DALI (ELDD)

Electronic Dimmer DALI (ELDD) + Emergency under demand

IP

IP44/20

Finishes

White (33)

Supply voltage

220... 230V, 50/60Hz

Installation

Recessed ceiling

Accessories

Accessory for recessed installation in plaster ceilings

Accessory for surface ceiling installation

Accessory for ceiling hanging

Features



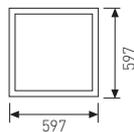
15mm. visible profile
25mm. visible profile

Possibility of doing other versions on request: Emergency



Polycarbonat diffuser

LED and control gear included

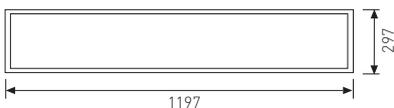


□	□	□
36W 120° profile 600x600 control-gear EL 4800 lm 3000K 11.0040.1311.33 4000K 11.0040.1411.33	36W 120° profile 600x600 control-gear ELD 4800 lm 3000K 11.0040.1312.33 4000K 11.0040.1412.33	36W 120° profile 600x600 control-gear ELDD 4800 lm 3000K 11.0040.1313.33 4000K 11.0040.1413.33



Polycarbonat diffuser

LED and control gear included

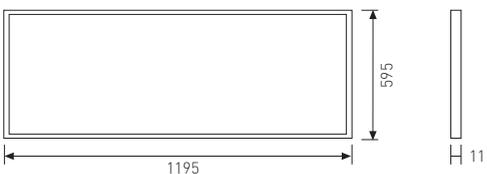


□	□	□
36W 120° profile 300x1200 control-gear EL 4800 lm 3000K 11.0040.2311.33 4000K 11.0040.2411.33	36W 120° profile 300x1200 control-gear ELD 4800 lm 3000K 11.0040.2312.33 4000K 11.0040.2412.33	36W 120° profile 300x1200 control-gear ELDD 4800 lm 3000K 11.0040.2313.33 4000K 11.0040.2413.33



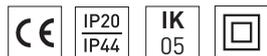
Polycarbonat diffuser

LED and control gear included



□	□	□
62W 120° profile 600x1200 control-gear EL 7800 lm 3000K 11.0040.3311.33 4000K 11.0040.3411.33	62W 120° profile 600x1200 control-gear ELD 7800 lm 3000K 11.0040.3312.33 4000K 11.0040.3412.33	62W 120° profile 600x1200 control-gear ELDD 7800 lm 3000K 11.0040.3313.33 4000K 11.0040.3413.33

Features



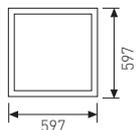
15mm. visible profile
25mm. visible profile

Possibility of doing other versions on request: Emergency



Opal diffuser

LED and control gear included

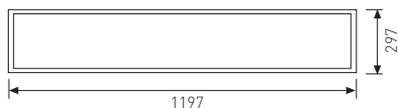


<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
36W 120° profile 600x600 control-gear EL 4800 lm 3000K 11.0040.1301.33 4000K 11.0040.1401.33	36W 120° profile 600x600 control-gear ELD 4800 lm 3000K 11.0040.1302.33 4000K 11.0040.1402.33	36W 120° profile 600x600 control-gear ELDD 4800 lm 3000K 11.0040.1303.33 4000K 11.0040.1403.33



Opal diffuser

LED and control gear included

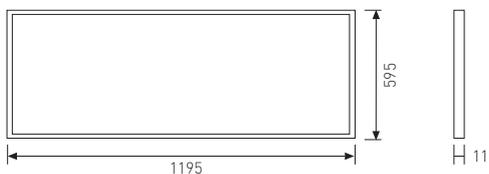


<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
36W 120° profile 300x1200 control-gear EL 4800 lm 3000K 11.0040.2301.33 4000K 11.0040.2401.33	36W 120° profile 300x1200 control-gear ELD 4800 lm 3000K 11.0040.2302.33 4000K 11.0040.2402.33	36W 120° profile 300x1200 control-gear ELDD 4800 lm 3000K 11.0040.1303.33 4000K 11.0040.2403.33



Opal diffuser

LED and control gear included



<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
62W 120° profile 600x1200 control-gear EL 7800 lm 3000K 11.0040.3301.33 4000K 11.0040.3401.33	62W 120° profile 600x1200 control-gear ELD 7800 lm 3000K 11.0040.3302.33 4000K 11.0040.3402.33	62W 120° profile 600x1200 control-gear ELDD 7800 lm 3000K 11.0040.3303.33 4000K 11.0040.3403.33

Accessories



accessory for installation on surface
600x600
11.1615.0001.33



accessory for installation on surface
300x1200
11.1615.0002.33

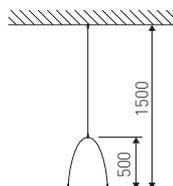


accessory for installation on surface
600x1200
11.1615.0003.33

Installation clamps for plaster ceilings
600x600x50
11.1615.0014.00



accessory for installation on suspended
40/L/S/21



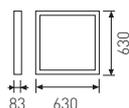
Installation on suspended
300 x 1200 (con marco)
11.1615.0012.33



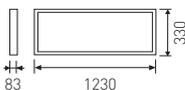
Installation on suspended
600 x 1200 (con marco)
11.1615.0013.33

Recessed frame for plaster ceiling installation. It is built in steel sheet white painted with installation clamps included to be fixed into ceiling hole.

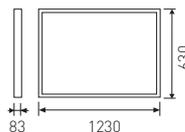
drill 610 x 610
007/6060



drill 1210 x 310
007/12030



drill 1210x610
007/12060



Security wire for recessing installations
11.0040.0001.00

Backlite is a TROLL's proposal for general lighting applications. It is a design with overhead LED light sources and opal diffuser to optimize the light distribution among the space. TROLL's Backlite series offers efficient and functional and long-life solution to illuminate commercial areas and working areas.

Installation

They adapt to most conventional roofs, both framed and smooth non-modular ones and thanks to embedment frames (accessories).

**Power**

LED 35W

Beam

114°

Colour temperature3000K warm white - CRI \geq 80
4000K neutral white - CRI \geq 80**Nominal lumen output**

35W - 4800 lm

Control gear

Electronic (EL)

IP

IP44/20

Finishes

White (33)

Supply voltage

220... 230V, 50/60Hz

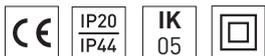
Installation

Recessed ceiling

Accessories

Accessory for recessed installation in plaster ceilings

Features

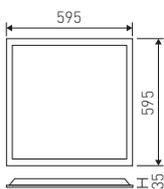
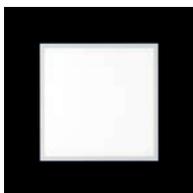


15mm. visible profile
25mm. visible profile



Opal diffuser

LED and control gear included

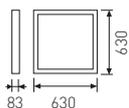


□
35W
114°
profile 600x600
control-gear EL
4800 lm
3000K **11.1847.1301.33**
4000K **11.1847.1401.33**

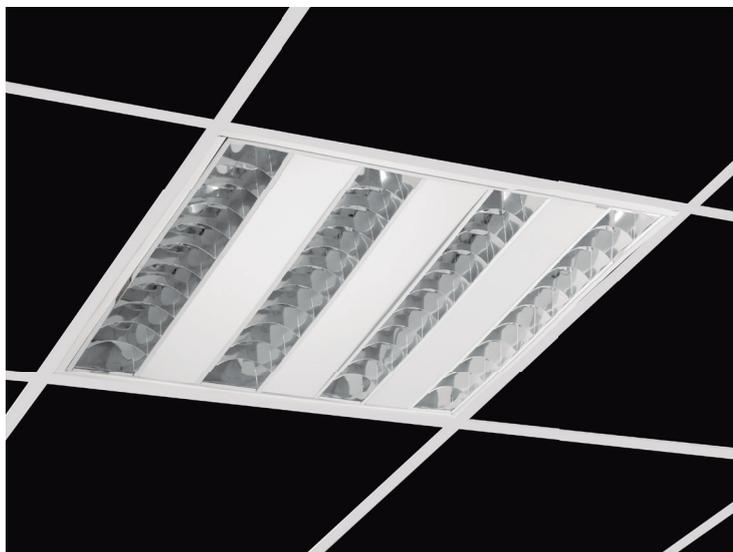
Accessories

Recessed frame for plaster ceiling installation. It is built in steel sheet white painted with installation clamps included to be fixed into ceiling hole.

Drill 610 x 610
007/6060



Gran versatilidad de instalación en diferentes tipos de techos, la gama de luminarias se caracterizan por rendimientos elevados y por la posibilidad de escoger entre una variedad de modelos y ópticas en función de la apariencia y confort visual deseado.



Potencias

LED 36W, 72W

Ópticas lama plana

72° Polivalente - Perfilera

T° Color

3000K blanco cálido - CRI \geq 80

4000K blanco neutro - CRI \geq 80

Flujo nominal

36W - 5280 lm, 72W - 10000 lm

Equipos

Electrónico (EL)

Electrónico regulable (ELD)

Electrónico regulable DALI (ELDD)

IP

IP20

Acabados

Blanco (33)

Alimentación

220... 240V, 50/60Hz

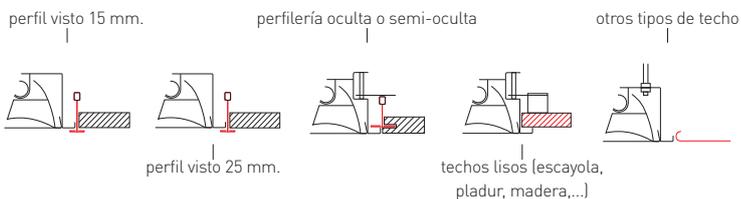
Instalación

Empotrada en techos

Accesorios

Anclaje

Cuerpo construido de acero pintado en blanco.
Mínima altura del cuerpo 57 mm. Se adaptan a la mayoría de techos convencionales, tanto en perfilería como lisos no modulados.



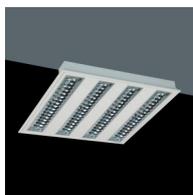
Características



Anclaje para fijación a techo (no incorporados)



Óptica lama plana
LED y equipo incorporados



	36W 72° taladro 585x585 equipo EL 5280 lm 3000K 731L/4883P/33 4000K 731L/4884P/33	36W 72° taladro 585x585 equipo ELD 5280 lm 3000K 731L/4883DP/33 4000K 731L/4884DP/33	36W 72° taladro 585x585 equipo ELDD 5280 lm 3000K 731L/4883DDP/33 4000K 731L/4884DDP/33
--	---	--	---

	36W 72° taladro 296x1196 equipo EL 5280 lm 3000K 731L/5883P/33 4000K 731L/5884P/33	36W 72° taladro 296x1196 equipo ELD 5280 lm 3000K 731L/5883DP/33 4000K 731L/5884DP/33	36W 72° taladro 296x1196 equipo ELDD 5280 lm 3000K 731L/5883DDP/33 4000K 731L/5884DDP/33
--	--	---	--

	72W 72° taladro 585x1196 equipo EL 10000 lm 3000K 731L/6883P/33 4000K 731L/6884P/33	72W 72° taladro 585x1196 equipo ELD 10000 lm 3000K 731L/6883DP/33 4000K 731L/6884DP/33	72W 72° taladro 585x1196 equipo ELDD 10000 lm 3000K 731L/6883DDP/33 4000K 731L/6884DDP/33
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UGR <19

Óptica doble parábola
LED y equipo incorporados



	36W 72° taladro 585x585 equipo EL 5280 lm 3000K 731L/4883PU/33 4000K 731L/4884PU/33	36W 72° taladro 585x585 equipo ELD 5280 lm 3000K 731L/4883DPU/33 4000K 731L/4884DPU/33	36W 72° taladro 585x585 equipo ELDD 5280 lm 3000K 731L/4883DDPU/33 4000K 731L/4884DDPU/33
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	36W 72° taladro 296x1196 equipo EL 5280 lm 3000K 731L/5883PU/33 4000K 731L/5884PU/33	36W 72° taladro 296x1196 equipo ELD 5280 lm 3000K 731L/5883DPU/33 4000K 731L/5884DPU/33	36W 72° taladro 296x1196 equipo ELDD 5280 lm 3000K 731L/5883DDPU/33 4000K 731L/5884DDPU/33
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	72W 72° taladro 585x1196 equipo EL 10000 lm 3000K 731L/6883PU/33 4000K 731L/6884PU/33	72W 72° taladro 585x1196 equipo ELD 10000 lm 3000K 731L/6883DPU/33 4000K 731L/6884DPU/33	72W 72° taladro 585x1196 equipo ELDD 10000 lm 3000K 731L/6883DDPU/33 4000K 731L/6884DDPU/33
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Anclaje



11T5
Anclaje a techo.
Incluye 4 unidades

Softlight is a new range of LED luminaires with excellent control of brightness to provide great visual comfort. Its characteristic design has made it an icon in fluorescent lighting, capable of exceptionally high performance.

Features

Steel housing. Painted white. Double parabolic aluminium with textured microlinear opal diffuser. Installation invisible ceilings and also in smooth non-modular with adapter frame.



Luxiona, Spain

Power

LED 15W - 30W

Beam

90°

Colour temperature

3000K warm white - CRI ≥ 80

4000K neutral white - CRI ≥ 80

2700K - 6500K tuneable white

Nominal lumen output

15W - 2600 lm, 30W - 4400 lm

Control gear

Electronic (EL)

Electronic Dimmer DALI (ELDD)

IP

IP20 / 40

Supply voltage

220...240V, 50/60Hz

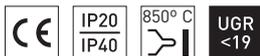
Installation

Installation invisible ceilings

Accessories

Accessory for recessed installation in plaster ceilings

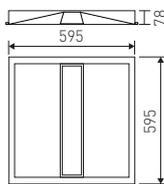
Features



LED 

Microprismatic diffuser

LED and control gear included



15W
90°
control gear EL
drill 600x600
2600 lm
3000K **11.1805.2301.33**
4000K **11.1805.2401.33**

15W
90°
control gear ELDD
drill 600x600
2600 lm
3000K **11.1805.2303.33**
4000K **11.1805.2403.33**

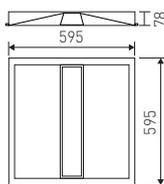
30W
90°
control gear EL
drill 600x600
4400 lm
3000K **11.1805.4301.33**
4000K **11.1805.4401.33**

30W
90°
control gear ELDD
drill 600x600
4400 lm
3000K **11.1805.4303.33**
4000K **11.1805.4403.33**

LED  

Microprismatic diffuser

LED and control gear included

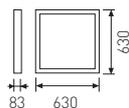


30W
90°
control gear TW
drill 600x600
4400 lm
2700K - 5000K **AG01ADIL44TWAML**

Accessories

Recessed frame for plaster ceiling installation. It is built in steel sheet white painted with installation clamps included to be fixed into ceiling hole.

Drill 610 x 610
007/6060



IN

ARCHITECTURAL p. 14

TRACKLIGHTS p. 64

RECESSED DOWNLIGHTS p. 100

RECESSED LUMINAIRES p. 158

RECESSED LINEARS p. 172

SURFACE DOWNLIGHTS p. 178

SURFACE LUMINAIRES p. 192

SURFACE LINEARS p. 204

WALL SCONCES p. 224

INDUSTRIAL p. 234

LINEALED p. 246

HEALTH & CARE p. 262

4

RECESSED LINEARS



Essence
p. 174



X-Line
p. 176

The concept of Essence is based on a minimalist and versatile design for complete integration into the surroundings. Luminaires designed LED, making the most of its small size to achieve a compact and reduced look.

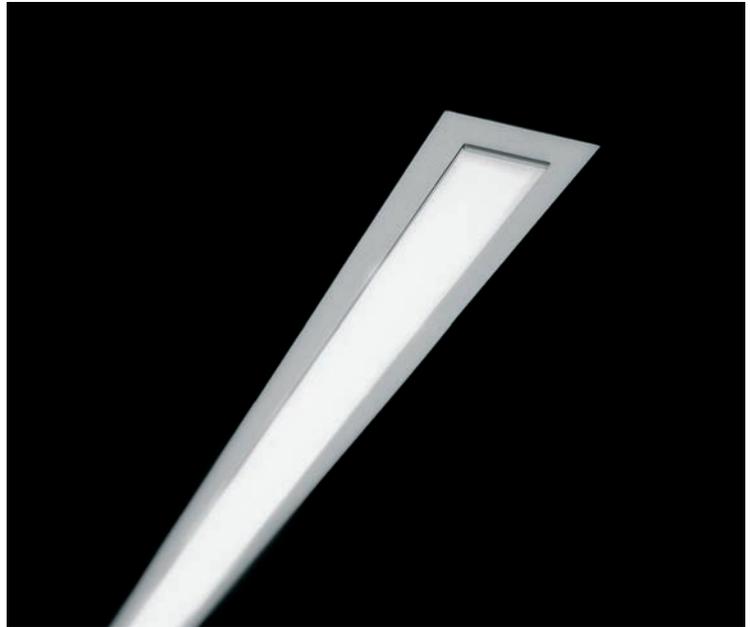
Features

Last generation LEDs that offers us a high performance and efficiency.

A simple system has been designed, which makes different possibilities of assemble, offering a complete program of a different size modules to adapt according to project needs, either through modest lights or making continuous lines.

Application

Luminaire designed for office environments, conference rooms and meetings.



AGP, Perú

Power

Recessed 13W, 27W, 54W

Beam

75°

Colour temperature

3000K warm white – CRI 80

4000K neutral white – CRI 80

2700K - 5000K tuneable white on demand

Nominal lumen output

13W - 1800 lm, 27W - 3600 lm, 40W - 5300 lm

Control gear

Electronic (EL)

Electronic Dimmer (ELD)

Electronic Dimmer DALI (ELDD)

IP

IP40

Finishes

White (63)

Finishes

220... 240V, 50/60Hz

Installation

Recessed in ceilings or wall individually or continuous line

Features



Translucent polycarbonate diffuser (PMMA)

Finishes



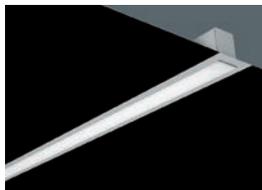
Versions:

Tuneable white versions from 2700K to 5000K on request

Recessed in wall or ceiling individuelles or in continuous line



LED and control gear included



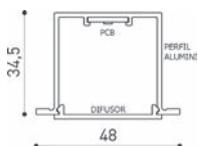
13W
75°
drill 40x560
control-gear EL
1800 lm
3000K **11.1671.4603.63**
4000K **11.1671.4604.63**



13W
75°
drill 40x560
control-gear ELD
1800 lm
3000K **11.1671.4611.63**
4000K **11.1671.4612.63**



13W
75°
drill 40x560
control-gear ELDD
1800 lm
3000K **11.1671.4607.63**
4000K **11.1671.4608.63**



13W L = 560
27W L = 1120
40W L = 1680



27W
75°
drill 40x1120
control-gear EL
3600 lm
3000K **11.1671.4203.63**
4000K **11.1671.4204.63**



27W
75°
drill 40x1120
control-gear ELD
3600 lm
3000K **11.1671.4211.63**
4000K **11.1671.4212.63**



27W
75°
drill 40x1120
control-gear ELDD
3600 lm
3000K **11.1671.4207.63**
4000K **11.1671.4208.63**



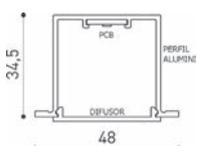
40W
75°
drill 40x1680
control-gear EL
5300 lm
3000K **11.1671.4403.63**
4000K **11.1671.4404.63**



40W
75°
drill 40x1680
control-gear ELD
5300 lm
3000K **11.1671.4411.63**
4000K **11.1671.4412.63**



40W
75°
drill 40x1680
control-gear ELDD
5300 lm
3000K **11.1671.4407.63**
4000K **11.1671.4408.63**



L = 560 x 560



27W
75°
corner drill 90° 560x560
control-gear EL
3600 lm
3000K **11.1671.4903.63**
4000K **11.1671.4904.63**



27W
75°
corner drill 90° 560x560
control-gear ELD
3600 lm
3000K **11.1671.4911.63**
4000K **11.1671.4912.63**

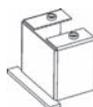


27W
75°
corner drill 90° 560x560
control-gear ELDD
3600 lm
3000K **11.1671.4907.63**
4000K **11.1671.4908.63**

End caps



End caps for recessed versions
11.1671.4005.63



Aligner

Continuous line aligner for recessed versions ON/OFF
11.1671.4003.00

90° wall-ceiling corner
11.1671.4006

Continuous line aligner for recessed versions DALI
11.1671.4004.00



Luminaires for arranging in continuous straight lines, but that can also be installed independently.

The combination of reflectors, symmetrical, asymmetric or wallwasher, enable the appropriate level of lighting to be achieved, either general or a wash of vertical planes (walls, murals...).

Features

Steel housing, finished in white. Optics in specular and semi-specular anodised aluminium. Opal diffuser (PMMA). Lamp and control gear included.

Fitting

Multi-purpose luminaires for recessing into smooth ceilings, in continuous lines or as independent units. Also for installation of ceilings with 15 mm visible profile. This involves making a continuous cut-out without cross pieces.



Power

LED 17W, 21W, 26W, 28W, 35W, 42W

Beam

LED 80°

Colour temperature

4000K neutral white - CRI \geq 80

Nominal lumen output

17W - 2600 lm, 21W - 3250 lm, 26W - 3900 lm, 28W - 4400 lm,
35W - 5500 lm, 42W - 6600 lm

Control gear

Electronic (EL)

Electronic Dimmer DALI (ELDD) on demand

IP

IP20

Finishes

Aluminio anodizado

Supply voltage

220... 240V, 50/60Hz

Installation

Recessed ceiling

Accessories

"T", "L" and "+" connectors on demand

Features



Finishes



Versions:

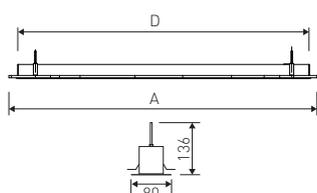
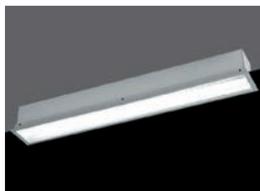
DIMMER versions on request

SINGLE module



Opal diffuser

LED and control gear included



2600 lm / L=1200	A=1142 - D=1125
4400 lm / L=1200	A=1142 - D=1125
3250 lm / L=1500	A=1422 - D=1405
5500 lm / L=1500	A=1422 - D=1405
3900 lm / L=1700	A=1702 - D=1685
6600 lm / L=1700	A=1702 - D=1685

17W
80°
drill 1132x70
control gear EL
2600 lm
4000K **AG0E1XLLG26AMIC**

28W
80°
drill 1132x70
control gear EL
4400 lm
4000K **AG0E1XLLG44AMIC**

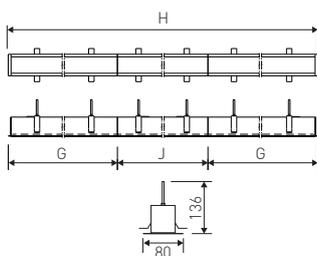
21W
80°
drill 1412x70
control gear EL
3250 lm
4000K **AG0E1XLLG325AMIC**

35W
80°
drill 1412x70
control gear EL
5500 lm
4000K **AG0E1XLLG55AMIC**

26W
80°
drill 1692x70
control gear EL
3900 lm
4000K **AG0E1XLLG39AMIC**

42W
80°
drill 1692x70
control gear EL
6600 lm
4000K **AG0E1XLLG66AMIC**

Module for CONTINUOUS LINES



2600 lm / L=1200	G=1132 - H=3386 - J=1122
4400 lm / L=1200	G=1132 - H=3386 - J=1122
3250 lm / L=1500	G=1412 - H=4226 - J=1402
5500 lm / L=1500	G=1412 - H=4226 - J=1402
3900 lm / L=1700	G=1692 - H=5066 - J=1682
6600 lm / L=1700	G=1692 - H=5066 - J=1682

17W
80°
drill 1127x70
control gear EL
2600 lm
4000K **AG0E1XLLAG26AMIC**

17W
80°
drill 1122x70
control gear EL
2600 lm
4000K **AG0E1XLLCG26AMIC**

17W
80°
drill 1127x70
control gear EL
2600 lm
4000K **AG0E1XLLBG26AMIC**

28W
80°
drill 1127x70
control gear EL
4400 lm
4000K **AG0E1XLLAG44AMIC**

28W
80°
drill 1122x70
control gear EL
4400 lm
4000K **AG0E1XLLCG44AMIC**

28W
80°
drill 1127x70
control gear EL
4400 lm
4000K **AG0E1XLLBG44AMIC**

21W
80°
drill 1407x70
control gear EL
3250 lm
4000K **AG0E1XLLAG325AMIC**

21W
80°
drill 1402x70
control gear EL
3250 lm
4000K **AG0E1XLLCG325AMIC**

21W
80°
drill 1407x70
control gear EL
3250 lm
4000K **AG0E1XLLBG325AMIC**

35W
80°
drill 1407x70
control gear EL
5500 lm
4000K **AG0E1XLLAG55AMIC**

35W
80°
drill 1402x70
control gear EL
5500 lm
4000K **AG0E1XLLCG55AMIC**

35W
80°
drill 1407x70
control gear EL
5500 lm
4000K **AG0E1XLLBG55AMIC**

26W
80°
drill 1687x70
control gear EL
3900 lm
4000K **AG0E1XLLAG39AMIC**

26W
80°
drill 1682x70
control gear EL
3900 lm
4000K **AG0E1XLLCG39AMIC**

26W
80°
drill 1687x70
control gear EL
3900 lm
4000K **AG0E1XLLBG39AMIC**

Accessories

Continuous line aligner
AG0E1XLL-SLED

42W
80°
drill 1687x70
control gear EL
6600 lm
4000K **AG0E1XLLAG66AMIC**

42W
80°
drill 1682x70
control gear EL
6600 lm
4000K **AG0E1XLLCG66AMIC**

42W
80°
drill 1687x70
control gear EL
6600 lm
4000K **AG0E1XLLBG66AMIC**

IN

ARCHITECTURAL p. 14

TRACKLIGHTS p. 64

RECESSED DOWNLIGHTS p. 100

RECESSED LUMINAIRES p. 158

RECESSED LINEARS p. 172

SURFACE DOWNLIGHTS p. 178

SURFACE LUMINAIRES p. 192

SURFACE LINEARS p. 204

WALL SCONCES p. 224

INDUSTRIAL p. 234

LINEALED p. 246

HEALTH & CARE p. 262

5

SURFACE DOWNLIGHTS



Tubular
p. 180



Pipe
p. 188



Basic S
p. 190

Tubular means minimalism, functionality and versatility Tubular is a TROLL design based on totally pure forms to dress spaces without altering them, but rather, collaborating in recreation of subtle ambiences, providing the necessary light to the environment in which it is set, and becoming fuse into the architectural stylish whole.





The pure form of a tube is used to create a range of hanging or surface luminaires for general lighting.

A wide variety of areas can be lit with Tubular: commercial, home, restaurants, hotels and many more where the look of the place is an important feature.

Features

Extruded aluminium housing, with micro-perforated metal disc in the upper part.

Fitting

Two installation options:

- Surface base (ON-OFF or DALI).
- Semi-recessed base (only ON-OFF).



Power

LED 7W, 13W, 17W, 25W, 37W

Beam

LED 12°, 24°, 36°

Colour temperature

2700K warm white - CRI \geq 90

3000K warm white - CRI \geq 90

4000K neutral white - CRI \geq 90

Nominal lumen output

7W - 1000 lm, 13W - 1600 lm, 17W - 2300 lm, 25W - 3000 lm, 37W - 4400 lm

Control gear

Electronic (EL)

Electronic Dimmer (ELD) - on demand

Electronic Dimmer DALI (ELDD) - on demand

IP

IP20

Finishes

Gold (02)

Anthracite (22)

White (63)

Supply voltage

220... 240V, 50/60Hz

Installation

Suspended

Accessories

Hanging models require a base-plate

Features



Finishes

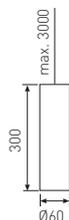


To complete the product reference, add finish

LED

ORANGE INSIDE

LED and control gear included



- 7W
12°
control gear EL
1000 lm
2700K **11.1645.1211**
3000K **11.1645.1311**
4000K **11.1645.1411**

- 7W
24°
control gear EL
1000 lm
2700K **11.1645.1221**
3000K **11.1645.1321**
4000K **11.1645.1421**

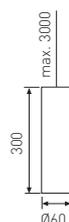
- 13W
12°
control gear EL
1600 lm
2700K **11.1645.4211**
3000K **11.1645.4311**
4000K **11.1645.4411**

- 13W
24°
control gear EL
1600 lm
2700K **11.1645.4221**
3000K **11.1645.4321**
4000K **11.1645.4421**

LED

BLACK INSIDE

LED and control gear included



- 7W
12°
control gear EL
1000 lm
2700K **11.1645.2211**
3000K **11.1645.2311**
4000K **11.1645.2411**

- 7W
24°
control gear EL
1000 lm
2700K **11.1645.2221**
3000K **11.1645.2321**
4000K **11.1645.2421**

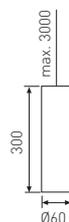
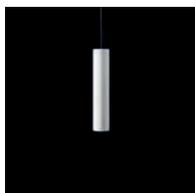
- 13W
12°
control gear EL
1600 lm
2700K **11.1645.5211**
3000K **11.1645.5311**
4000K **11.1645.5411**

- 13W
24°
control gear EL
1600 lm
2700K **11.1645.5221**
3000K **11.1645.5321**
4000K **11.1645.5421**

LED

GOLD INSIDE

LED and control gear included



- 7W
12°
control gear EL
1000 lm
2700K **11.1645.3211**
3000K **11.1645.3311**
4000K **11.1645.3411**

- 7W
24°
control gear EL
1000 lm
2700K **11.1645.3221**
3000K **11.1645.3321**
4000K **11.1645.3421**

- 13W
12°
control gear EL
1600 lm
2700K **11.1645.6211**
3000K **11.1645.6311**
4000K **11.1645.6411**

- 13W
24°
control gear EL
1600 lm
2700K **11.1645.6221**
3000K **11.1645.6321**
4000K **11.1645.6421**

Features



Finishes



To complete the product reference, add finish

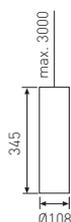
Versions:

DIMMER versions on request
DIMMER DALI versions on request



ORANGE INSIDE

LED and control gear included



17W
12°
control gear EL
2300 lm
2700K **11.2645.1211**
3000K **11.2645.1311**
4000K **11.2645.1411**



17W
24°
control gear EL
2300 lm
2700K **11.2645.1221**
3000K **11.2645.1321**
4000K **11.2645.1421**



17W
36°
control gear EL
2300 lm
2700K **11.2645.1231**
3000K **11.2645.1331**
4000K **11.2645.1431**



25W
12°
control gear EL
3000 lm
2700K **11.2645.4211**
3000K **11.2645.4311**
4000K **11.2645.4411**



25W
24°
control gear EL
3000 lm
2700K **11.2645.4221**
3000K **11.2645.4321**
4000K **11.2645.4421**

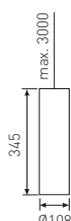


25W
36°
control gear EL
3000 lm
2700K **11.2645.4231**
3000K **11.2645.4331**
4000K **11.2645.4431**



BLACK INSIDE

LED and control gear included



17W
12°
control gear EL
2300 lm
2700K **11.2645.2211**
3000K **11.2645.2311**
4000K **11.2645.2411**



17W
24°
control gear EL
2300 lm
2700K **11.2645.2221**
3000K **11.2645.2321**
4000K **11.2645.2421**



17W
36°
control gear EL
2300 lm
2700K **11.2645.2231**
3000K **11.2645.2331**
4000K **11.2645.2431**



25W
12°
control gear EL
3000 lm
2700K **11.2645.5211**
3000K **11.2645.5311**
4000K **11.2645.5411**



25W
24°
control gear EL
3000 lm
2700K **11.2645.5221**
3000K **11.2645.5321**
4000K **11.2645.5421**

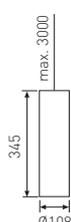


25W
36°
control gear EL
3000 lm
2700K **11.2645.5231**
3000K **11.2645.5331**
4000K **11.2645.5431**



GOLD INSIDE

LED and control gear included



17W
12°
control gear EL
2300 lm
2700K **11.2645.3211**
3000K **11.2645.3311**
4000K **11.2645.3411**



17W
24°
control gear EL
2300 lm
2700K **11.2645.3221**
3000K **11.2645.3321**
4000K **11.2645.3421**



17W
36°
control gear EL
2300 lm
2700K **11.2645.3231**
3000K **11.2645.3331**
4000K **11.2645.3431**



25W
12°
control gear EL
3000 lm
2700K **11.2645.6211**
3000K **11.2645.6311**
4000K **11.2645.6411**



25W
24°
control gear EL
3000 lm
2700K **11.2645.6221**
3000K **11.2645.6321**
4000K **11.2645.6421**



25W
36°
control gear EL
3000 lm
2700K **11.2645.6231**
3000K **11.2645.6331**
4000K **11.2645.6431**

Features



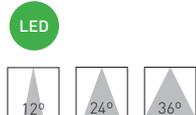
Finishes



To complete the product reference, add finish

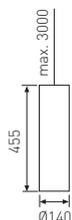
Versions:

DIMMER versions on request
DIMMER DALI versions on request



ORANGE INSIDE

LED and control gear included



25W
12°
control gear EL
3000 lm
2700K **11.3645.1211**
3000K **11.3645.1311**
4000K **11.3645.1411**



25W
24°
control gear EL
3000 lm
2700K **11.3645.1221**
3000K **11.3645.1321**
4000K **11.3645.1421**

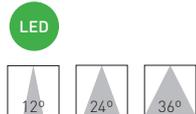


25W
36°
control gear EL
3000 lm
2700K **11.3645.1231**
3000K **11.3645.1331**
4000K **11.3645.1431**

37W
12°
control gear EL
4400 lm
2700K **11.3645.4211**
3000K **11.3645.4311**
4000K **11.3645.4411**

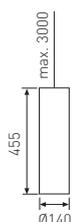
37W
24°
control gear EL
4400 lm
2700K **11.3645.4221**
3000K **11.3645.4321**
4000K **11.3645.4421**

37W
36°
control gear EL
4400 lm
2700K **11.3645.4231**
3000K **11.3645.4331**
4000K **11.3645.4431**



BLACK INSIDE

LED and control gear included



25W
12°
control gear EL
3000 lm
2700K **11.3645.2211**
3000K **11.3645.2311**
4000K **11.3645.2411**



25W
24°
control gear EL
3000 lm
2700K **11.3645.2221**
3000K **11.3645.2321**
4000K **11.3645.2421**

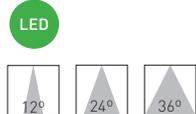


25W
36°
control gear EL
3000 lm
2700K **11.3645.2231**
3000K **11.3645.2331**
4000K **11.3645.2431**

37W
12°
control gear EL
4400 lm
2700K **11.3645.5211**
3000K **11.3645.5311**
4000K **11.3645.5411**

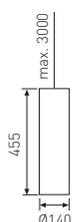
37W
24°
control gear EL
4400 lm
2700K **11.3645.5221**
3000K **11.3645.5321**
4000K **11.3645.5421**

37W
36°
control gear EL
4400 lm
2700K **11.3645.5231**
3000K **11.3645.5331**
4000K **11.3645.5431**



GOLD INSIDE

LED and control gear included



25W
12°
control gear EL
3000 lm
2700K **11.3645.3211**
3000K **11.3645.3311**
4000K **11.3645.3411**



25W
24°
control gear EL
3000 lm
2700K **11.3645.3221**
3000K **11.3645.3321**
4000K **11.3645.3421**



25W
36°
control gear EL
3000 lm
2700K **11.3645.3231**
3000K **11.3645.3331**
4000K **11.3645.3431**

37W
12°
control gear EL
4400 lm
2700K **11.3645.6211**
3000K **11.3645.6311**
4000K **11.3645.6411**

37W
24°
control gear EL
4400 lm
2700K **11.3645.6221**
3000K **11.3645.6321**
4000K **11.3645.6421**

37W
36°
control gear EL
4400 lm
2700K **11.3645.6231**
3000K **11.3645.6331**
4000K **11.3645.6431**

Finishes



To complete the product reference, add finish

Base



On-Off Surface Base
Wire not included
11.1645.0001



DALI Surface Base
Wire not included
11.1645.0003



On-Off Semi-recessed Base
Wire not included
11.1645.0002

Reference options

11. 645.

- 1- Ø60
- 2- Ø108
- 3- Ø140

- 1- orange inside / low power
- 2- black inside / low power
- 3- gold inside / low power
- 4- orange inside / high power
- 5- black inside / high power
- 6- gold inside / high power

- 2- 2700K
- 3- 3000K
- 4- 4000K

- 1- 12°
- 2- 24°
- 3- 36°**

- 1- On-Off*
- 2- Dimmer
- 3- DALI

- 02- gold
- 22- anthracite
- 63- white

Reference Example

11.1645.4211.22



* - Small version only On / Off

** - Small version only 12° and 24°



Crustó Bakery, El Corte Inglés Diagonal, Spain.
Picture from Súpernormal Estudio Creativo.

Pipe is a downlights family for easy installation on ceilings surface, where, for technical or aesthetic reasons the luminaires cannot be recessed nor suspended. Pipe is based on pure forms to become integrated into the architectural environment providing at the same time functionality and efficiency. Pipe is designed in three different sizes suitable for different dimension spaces. Pipe uses last LEDs generation and high efficiency reflectors to provide general lighting to any architectural space. Pipe is an ideal solution for lighting lobbies, halls, offices, classrooms, corridors, stairs and in general all kinds of spaces where general lighting is required.



Features

Luminaire body built in extruded aluminium. Optical system set high efficiency reflectors with different light distribution angles beam and last generation LEDs.



Mykita, Spain

Power

LED 7W, 25W, 31,5W

Beam

LED 12°, 24°, 36°, (60° bajo demanda)

Colour temperature

3000K warm white - CRI ≥ 90

4000K neutral white - CRI ≥ 90

Nominal lumen output

7W - 960 lm, 25W - 3250 lm, 31,5W - 4300 lm

Control gear

Electronic (EL)

Electronic Dimmer (ELD) (under demand)

Electronic Dimmer DALI (ELDD) (under demand)

Emergency

IP

IP20

Finishes

White (63)

Black (04)

Supply voltage

220...230V, 50/60Hz

Installation

Ceiling surface installation

Features

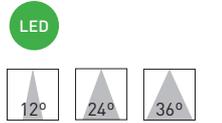


Finishes

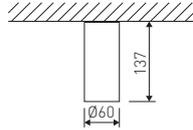


Versions:

1-10V and DALI dimmable versions on demand
2700K and 5000K versions on demand



LED and control gear included



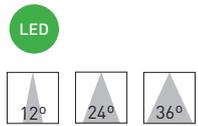
7W
12°
control gear EL
960 lm
3000K **11.1803.1311**
4000K **11.1803.1411**



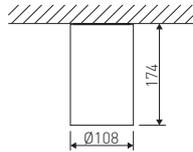
7W
24°
control gear EL
960 lm
3000K **11.1803.1321**
4000K **11.1803.1421**



7W
36°
control gear EL
960 lm
3000K **11.1803.1331**
4000K **11.1803.1431**



LED and control gear included



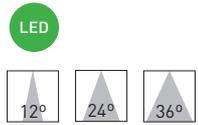
25W
12°
control gear EL
3250 lm
3000K **11.1803.2311**
4000K **11.1803.2411**



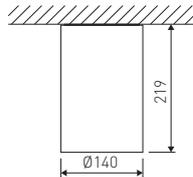
25W
24°
control gear EL
3250 lm
3000K **11.1803.2321**
4000K **11.1803.2421**



25W
36°
control gear EL
3250 lm
3000K **11.1803.2331**
4000K **11.1803.2431**



LED and control gear included



31,5W
12°
control gear EL
4300 lm
3000K **11.1803.3311**
4000K **11.1803.3411**



31,5W
24°
control gear EL
4300 lm
3000K **11.1803.3321**
4000K **11.1803.3421**



31,5W
36°
control gear EL
4300 lm
3000K **11.1803.3331**
4000K **11.1803.3431**

Reference options

11.1803.1311.63



11.1803.



1- Ø60*
2- Ø108
3- Ø140



2- 2700K
3- 3000K
4- 4000K
5- 5000K



1- 12°
2- 24°
3- 36°
4- 60°



1- On/Off
2- 1-10V
3- DALI



04- Black
63- White

*Note: Ø60 models cannot be dimmable

Low energy consumption surface Downlights. Great energy saving in general lighting applications. Integrated opal closing diffuser.

Features

Injected aluminium housing and trim. Polycarbonate diffuser. Round and square format.



Power

LED 7W, 22W

Beam

120°

Colour temperature

3000K warm white - CRI \geq 80

4000K neutral white - CRI \geq 80

Nominal lumen output

Round 7W - 450 lm, 22W - 1838 lm

Square 7W - 426 lm, 22W - 1821 lm

Control gear

Electronic (EL)

IP

IP44

Finishes

White (33)

Supply voltage

220...240V, 50/60Hz

Installation

Surface

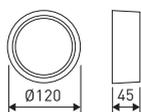
Features



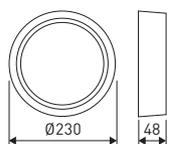
LED



LED and control gear included



□
7W
120°
450 lm
3000K **0250L/M183S/33**
4000K **0250L/M184S/33**

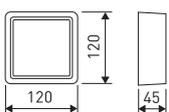


□
22W
120°
1838 lm
3000K **0250L/M383S/33**
4000K **0250L/M384S/33**

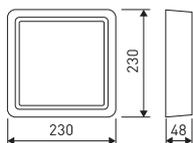
LED



LED and control gear included



□
7W
120°
426 lm
3000K **0450L/M183S/33**
4000K **0450L/M184S/33**



□
22W
120°
1821 lm
3000K **0450L/M383S/33**
4000K **0450L/M384S/33**

IN

ARCHITECTURAL p. 14

TRACKLIGHTS p. 64

RECESSED DOWNLIGHTS p. 100

RECESSED LUMINAIRES p. 158

RECESSED LINEARS p. 172

SURFACE DOWNLIGHTS p. 178

SURFACE LUMINAIRES p. 192

SURFACE LINEARS p. 204

WALL SCONCES p. 224

INDUSTRIAL p. 234

LINEALED p. 246

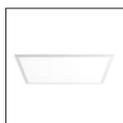
HEALTH & CARE p. 262

6

SURFACE LUMINAIRES



Smartpanel
p. 194



Panel
p. 194



Ledlouver
p. 196



Soft Light
p. 198



Meteor
p. 200



Lotos Elegance
p. 202

Great installation versatility on different types of ceilings, the range of luminaires for LEDs are characterised by high yields and the possibility of choosing from a variety of models and optical depending on the desired appearance and visual comfort.

Features

Body built in white-painted steel. Minimum body height 57mm. Optical unit consisting of a high purity aluminium reflector prismatic polycarbonate diffuser. Several formats: 600x600, 1200x300 and 1200x600.

Installation

They adapt to most conventional roofs, both framed and smooth non-modular ones and thanks to embedment frames (accessories).



Smartpanel

Power	LED 31W
Beam	116°
Colour temperature	Tuneable white allows Colour Temperature variation among 2700K and 6500K - CRI ≥ 80
Nominal lumen output	31W - 4800 lm
Control gear	Bluetooth dimmable electronic driver allows flux variation from 10% to 100%
IP	IP44/20
Finishes	White (33)
Supply voltage	220... 230V, 50/60Hz
Installation	Ceiling surface installation or ceiling hanging

Panel LED

Power	LED 34W, 64W
Beam	90° (microprismatic), 120° (opal)
Colour temperature	3000K warm white - CRI ≥ 80 4000K neutral white - CRI ≥ 80
Nominal lumen output	34W - 3900 lm, 64W - 6600 lm
Control gear	Electronic (EL) Electronic Dimmer (ELD) Electronic Dimmer DALI (ELDD) Electronic Dimmer DALI (ELDD) + Emergency under demand
IP	IP44/20
Finishes	White (33)
Supply voltage	220... 230V, 50/60Hz
Installation	Ceiling surface installation or ceiling hanging

To see luminaire references go to pg. 160 (smartpanel) and 162-163 (Panel LED)

Accessories



accessory for installation on surface
600x600
11.1615.0001.33



accessory for installation on surface
300x1200
11.1615.0002.33

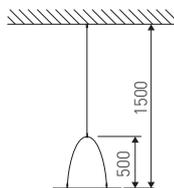


accessory for installation on surface
600x1200
11.1615.0003.33

Installation clamps for plaster ceilings
600x600x50
11.1615.0014.00



accessory for installation on suspended
40/L/S/21



installation on suspended
300 x 1200 (con marco)
11.1615.0012.33

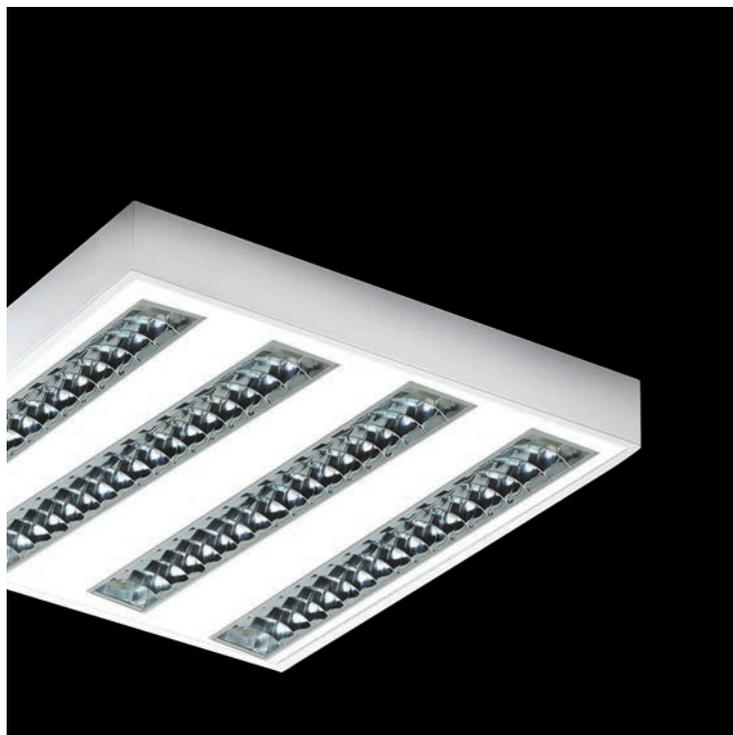


installation on suspended
600 x 1200 (con marco)
11.1615.0013.33

Luminaires for LED lamps. Designed to light work areas such as offices or traffic zones, where no false ceilings available.

Features

Surface-mounted luminaires. Steel housing painted white. Optical block building-in a glossy anodised aluminium reflector, a matt anodised slat and a texturized polycarbonate diffuser. Different formats: 600x600 and 300x1200. Mounted on the ceiling. Version UGR < 19.



Power

LED 36W

Beam

74°

Colour temperature

3000K warm white - CRI ≥ 80
4000K neutral white - CRI ≥ 80

Nominal lumen output

36W - 5280 lm

Control gear

Electronic (EL)
Electronic Dimmer (ELD)
Electronic Dimmer DALI (ELDD)

IP

IP20

Finishes

White (33)

Supply voltage

220... 240V, 50/60Hz

Installation

Ceiling surface mounted

Features

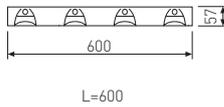
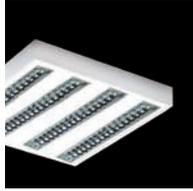


LED



Glossy optics
Flat matt slat

LED and control gear included



L=600



36W
74°
600x600
control-gear EL
5280 lm
3000K **431L/4883/33**
4000K **431L/4884/33**



36W
74°
600x600
control-gear ELD
5280 lm
3000K **431L/4883D/33**
4000K **431L/4884D/33**



36W
74°
600x600
control-gear ELDD
5280 lm
3000K **431L/4883DD/33**
4000K **431L/4884DD/33**



L=1200

36W
74°

300x1200
control-gear EL
5280 lm
3000K **431L/5883/33**
4000K **431L/5884/33**

36W
74°

300x1200
control-gear ELD
5280 lm
3000K **431L/5883D/33**
4000K **431L/5884D/33**

36W
74°

300x1200
control-gear ELDD
5280 lm
3000K **431L/5883DD/33**
4000K **431L/5884DD/33**

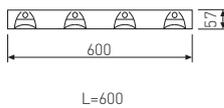
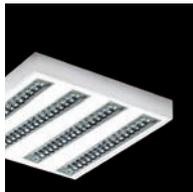
LED

UGR
<19



Glossy optics. Flat matt slat

LED and control gear included



L=600



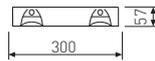
36W
74°
600x600
control-gear EL
5280 lm
3000K **431L/4883U/33**
4000K **431L/4884U/33**



36W
74°
600x600
control-gear ELD
5280 lm
3000K **431L/4883DU/33**
4000K **431L/4884DU/33**



36W
74°
600x600
control-gear ELDD
5280 lm
3000K **431L/4883DDU/33**
4000K **431L/4884DDU/33**



L=1200

36W
74°

300x1200
control-gear EL
5280 lm
3000K **431L/5883U/33**
4000K **431L/5884U/33**

36W
74°

300x1200
control-gear ELD
5280 lm
3000K **431L/5883DU/33**
4000K **431L/5884DU/33**

36W
74°

300x1200
control-gear ELDD
5280 lm
3000K **431L/5883DDU/33**
4000K **431L/5884DDU/33**

Softlight is a new range of LED luminaires with excellent control of brightness to provide great visual comfort. Its characteristic design has made it an icon in fluorescent lighting, capable of exceptionally high performance.

Features

Steel housing painted white. Double parabolic aluminium with textured microliner opal diffuser.



Power

LED 15W, 30W, 45W

Beam

90°

Colour temperature

4000K neutral white - CRI \geq 80

Nominal lumen output

15W - 2600 lm, 30W - 4400 lm, 45W - 6600 lm

Control gear

Electronic (EL)

Electronic Dimmer DALI (ELDD) and (ELD) under demand

IP

IP20 / 40

Supply voltage

220...240V, 50/60Hz

Installation

Ceiling surface mounted

Features

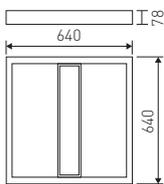


LED



Microprismatic diffuser

LED and control gear included



15W
90°
control gear EL
2600 lm
4000K **AG01RDIL2AAAMPR**

30W
90°
control gear EL
4400 lm
4000K **AG01RDIL2BAAMPR**

45W
90°
control gear EL
6600 lm
4000K **AG01RDIL3BAAMPR**

Meteor Compact is a luminaire with neutral design suitable for general light in spaces with a varied use, such as warehouses, stairs, corridors, printers rooms....

Features

Luminaires body made of steel sheet with powder coating. The screen is done in opal polymethylmethacrylate.

Installation

Luminaires designed to be installed on ceiling surface.



Power

LED 32W

Beam

120°

Colour temperature

4000K neutral white - CRI ≥ 80

Nominal lumen output

32W - 6000 lm

Control gear

Electronic (EL)

Electronic Dimm DALI (ELDD)

IP

IP20

Finishes

White

Supply voltage

220... 230V, 50/60Hz

Installation

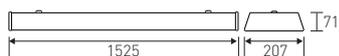
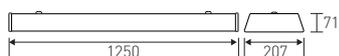
Surface mounted

Features



LED and control gear included

- | | |
|--|---|
| <p>□
32W
120°
control gear EL
6000 lm
L=1250
4000K AG0E2AMLC1BBB9</p> | <p>□
32W
120°
control gear ELDD
6000 lm
L=1250
4000K A G0E2AMLC1BBB97D</p> |
|--|---|



- | | |
|--|--|
| <p>□
32W
120°
control gear EL
6000 lm
L=1525
4000K AG0E2AMLC2BBB9</p> | <p>□
32W
120°
control gear ELDD
6000 lm
L=1525
4000K AG0E2AMLC2BBB97D</p> |
|--|--|



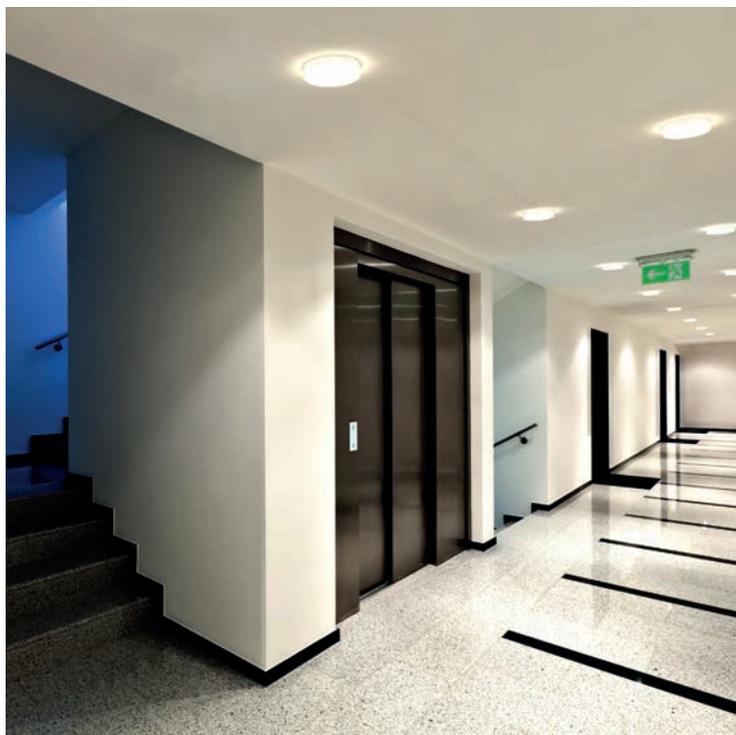
Lotos Elegance characterized by a simple and elegant design. It uses neutral and pure shapes to integrate perfectly in the architecture. Aesthetic is combined with the use of high efficiency LED technology, to minimize consumption, and with a design that allows its use in areas with high technical requirements.

Features

Body and diffuser made of polycarbonate with a high isolation degree, IP54. There are several available options, with a luminous flux 1200, 1800 or 2400 lm. The luminaire can set with microwave motion sensor.

Installation

Dedicated luminaire for surface installation in both, ceiling or wall. It can be installed without problems in humid areas thanks to its high isolation degree.



Power

LED 12W, 18W, 24W

Beam

120°

Colour temperature

4000K neutral white - CRI ≥ 80

Nominal lumen output

12W - 1200 lm, 18W - 1800lm, 24W - 2400 lm

Control gear

Electronic (EL)

Electronic with microwave motion sensor (EL+PRI)

IP

IP54 - IK10

Finishes

White

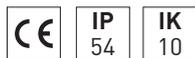
Supply voltage

220... 240V, 50/60Hz

Installation

Surface mounted

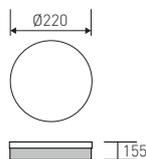
Features



Finishes

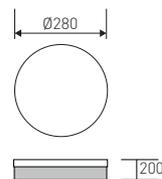


LED and control gear included



□
12W
120°
control gear EL
1200 lm
4000K **AG0F1LL80ER921**

□
12W
120°
control gear EL+PRI
1200 lm
4000K **AG0F1LL80ER921**

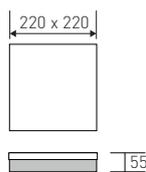


□
18W
120°
control gear EL
1800 lm
4000K **AG0F1LL120ER921**

□
18W
120°
control gear EL+PRI
1800 lm
4000K **AG0F1LL120ER921CM**

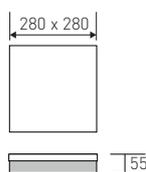


LED and control gear included



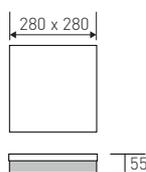
□
12W
120°
control gear EL
1200 lm
4000K **AG0F1LL80ES921**

□
12W
120°
control gear EL+PRI
1200 lm
4000K **AG0F1LL80ES921CM**



□
18W
120°
control gear EL
1800 lm
4000K **AG0F1LL120ES921**

□
18W
120°
control gear EL+PRI
1800 lm
4000K **AG0F1LL120ES921CM**



□
24W
120°
control gear EL
2400 lm
4000K **AG0F1LL240ES921**

□
24W
120°
control gear EL+PRI
2400 lm
4000K **AG0F1LL240ES921CM**

IN

ARCHITECTURAL p. 14

TRACKLIGHTS p. 64

RECESSED DOWNLIGHTS p. 100

RECESSED LUMINAIRES p. 158

RECESSED LINEARS p. 172

SURFACE DOWNLIGHTS p. 178

SURFACE LUMINAIRES p. 192

SURFACE LINEARS p. 204

WALL SCONCES p. 224

INDUSTRIAL p. 234

LINEALED p. 246

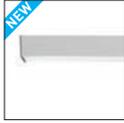
HEALTH & CARE p. 262

7

SURFACE LINEARS



Essence
p. 206



X-Line
p. 210



Snake LED
p. 214



Shopline
p. 216



Ledline
p. 222

Essence concept is based on the minimalism and the versatility of a design to achieve total integration in the space. Luminaire designed starting from LED light sources, taking advantage of their small dimensions to get a compact and reduced aesthetics.

Features

Profile built in extruded aluminium with translucent texturized polycarbonate diffuser.

Installation

Various installation possibilities: suspended from ceiling and ceiling/ wall surface mounted. For hanging versions, suspensions are not included and should be ordered as accessories. Installation as independent modules or in continuous lines (only suspended versions and surface ceiling mounted).

**Power**

Surface/Suspended 15W, 20W, 24W, 27W, 29W, 34W

Wall mounted 40W

Beam

75° (86° wall surface versions)

Colour temperature

3000K warm white – CRI 80

4000K neutral white – CRI 80

2700K - 5000K tuneable white on demand

Nominal lumen output

Surface/Suspended

15W - 2250 lm, 20W - 2700 lm, 24W - 3100 lm,

27W - 3600 lm, 29W - 4050 lm, 34W - 4670 lm

Wall mounted

40W - 5980 lm

Control gear

Electronic (EL)

Electronic Dimmer DALI (ELDD)

IP

IP40

Finishes

White (63)

Grey (21)

Finishes

220... 240V, 50/60Hz

Installation

Suspended or surface mounted to the ceiling,

both individually or in continuous lines

Surface mounted to the wall

Features



Translucent polycarbonate diffuser (PMMA)

Finishes



To complete the product reference, add finish

Versions:

Tuneable white versions on demand (from 2700K to 5000K)

Continuous line suspended or attached to ceiling



LED and control gear included



15W
 75°
 control gear EL
 2258 lm
 3000K **11.1671.2101**
 4000K **11.1671.2102**

20W
 75°
 control gear EL
 3100 lm
 3000K **11.1671.2103**
 4000K **11.1671.2104**



15W - 20W L = 840
 19,5W - 27W L = 1120
 24W - 34W L = 1400
 29W - 40W L = 1685

19,5W
 75°
 control gear EL
 2700 lm
 3000K **11.1671.2201**
 4000K **11.1671.2202**

19,5W
 75°
 control gear ELDD
 2700 lm
 3000K **11.1671.2205**
 4000K **11.1671.2206**

27W
 75°
 control gear EL
 3600 lm
 3000K **11.1671.2203**
 4000K **11.1671.2204**

27W
 75°
 control gear ELDD
 3600 lm
 3000K **11.1671.2207**
 4000K **11.1671.2208**

24W
 75°
 control gear EL
 3150 lm
 3000K **11.1671.2301**
 4000K **11.1671.2302**

24W
 75°
 control gear ELDD
 3150 lm
 3000K **11.1671.2305**
 4000K **11.1671.2306**

34W
 75°
 control gear EL
 4050 lm
 3000K **11.1671.2303**
 4000K **11.1671.2304**

34W
 75°
 control gear ELDD
 4050 lm
 3000K **11.1671.2307**
 4000K **11.1671.2308**

29W
 75°
 control gear EL
 3600 lm
 3000K **11.1671.2401**
 4000K **11.1671.2402**

29W
 75°
 control gear ELDD
 3600 lm
 3000K **11.1671.2405**
 4000K **11.1671.2406**

40W
 75°
 control gear EL
 4670 lm
 3000K **11.1671.2403**
 4000K **11.1671.2404**

40W
 75°
 control gear ELDD
 4670 lm
 3000K **11.1671.2407**
 4000K **11.1671.2408**

Features



Translucent polycarbonate diffuser (PMMA)

Finishes



To complete the product reference, add finish

Individual module suspended or dosed to ceiling



LED and control gear included



15W 75° control-gear EL 2258 lm 3000K 11.1671.1101 4000K 11.1671.1102	15W 75° control-gear ELDD 2258 lm 3000K 11.1671.1105 4000K 11.1671.1106	20W 75° control-gear EL 3100 lm 3000K 11.1671.1103 4000K 11.1671.1104	20W 75° control-gear ELDD 3100 lm 3000K 11.1671.1107 4000K 11.1671.1108



15W - 20W L = 845
19,5W - 27W L = 1120
29W - 40W L = 1685

19,5W 75° control-gear EL 2700 lm 3000K 11.1671.1201 4000K 11.1671.1202	19,5W 75° control-gear ELDD 2700 lm 3000K 11.1671.1205 4000K 11.1671.1206	27W 75° control-gear EL 3600 lm 3000K 11.1671.1203 4000K 11.1671.1204	27W 75° control-gear ELDD 3600 lm 3000K 11.1671.1207 4000K 11.1671.1208
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29W 75° control-gear EL 3600 lm 3000K 11.1671.1401 4000K 11.1671.1402	29W 75° control-gear ELDD 3600 lm 3000K 11.1671.1405 4000K 11.1671.1406	40W 75° control-gear EL 4670 lm 3000K 11.1671.1403 4000K 11.1671.1404	40W 75° control-gear ELDD 4670 lm 3000K 11.1671.1407 4000K 11.1671.1408
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Wall mounted installation

LED

86°

LED and control gear included



□ □
28W
86°
control-gear EL
3510 lm
3000K **138AP/L0983**
4000K **138AP/L0984**

□ □
37W
86°
control-gear EL
4680 lm
3000K **138AP/L1283**
4000K **138AP/L1284**

□ □
48W
86°
control-gear EL
5980 lm
3000K **138AP/L1583**
4000K **138AP/L1584**



138/L09... L = 912,5
138/L12... L = 1212,5
138/L15... L = 1512,5

Suspension systems



Suspension without connection.
for ref. **138/511**



Suspension with connection - 3 poles
11.1671.0001



Suspension with connection - 5 poles
11.1671.0002

End caps



End caps for suspended or ceiling surface mounted in continuous lines. (2 units)
11.1671.0005

Aligner

Aligner for back-to-back versions
ALC/138

Aligner for suspended versions or attached to the ceiling DALI.
11.1671.0004

Aligner for suspended versions or attached to the ceiling.
11.1671.0003.00

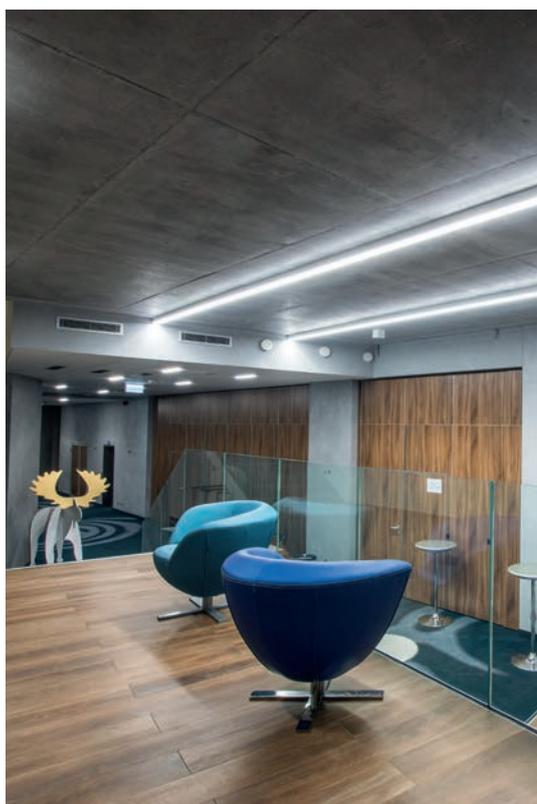
X-line is a range of fluorescent luminaires for surface mounting or hanging. They are designed to form continuous lines or other structures, or to be installed as single modules. A compact size design, while at the same time providing high performance and visual comfort.

Features

Luminaire built in extruded aluminium profile with anodized finish. Luminaire set a microprismatic diffuser to achieve an UGR <19. 63mm x 74mm profile.

Installation

Possibility of installation as single modules, in continuous lines or other polygonal structures (Connection accessories for polygonal structures, not included on demand).



Power

LED 17W, 21W, 26W, 28W, 35W, 42W

Beam

80°

Colour temperature

3000K warm white - CRI ≥ 80 bajo demanda

4000K neutral white - CRI ≥ 80

2700K- 5000K tuneable white versions (only for single versions)

Nominal lumen output

17W - 2600 lm, 21W - 3250 lm, 26W - 3900 lm, 28W - 4400 lm,

35W - 5500 lm, 42W - 6600 lm

Control gear

Electronic (EL)

Electronic Dimmer (ELD) bajo demanda

Electronic Dimmer DALI (ELDD) bajo demanda

IP

IP20

Finishes

Anodized aluminium

Supply voltage

220... 240V, 50/60Hz

Installation

Hanging, surface mounted

Accessories

Suspension systems, coupling, end section, end covers

Features



Finishes



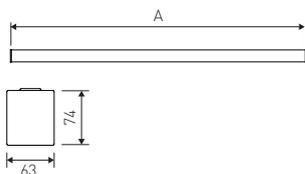
End-caps not included - Hanging or Surface mounted
Joint and suspension accessory

CONTINUOUS LINE versions



Opal methacrylate diffuser (PMMA)

Lamp and control gear included



2600 / L=1200	A= 1132
4400 / L=1200	A= 1132
3250 / L=1500	A= 1412
5500 / L=1500	A= 1412
3900 / L=1700	A= 1692
3900 / L=1700	A= 1692



17W
80°
L=1132
control gear EL
2600 lm
4000K **AG0E1XLL22AMIC**



28W
80°
L=1132
control gear EL
4400 lm
4000K **AG0E1XLL40AMIC**

21W
80°
L=1412
control gear EL
3250 lm
4000K **AG0E1XLL325AMIC**

35W
80°
L=1412
control gear EL
5500 lm
4000K **AG0E1XLL55AMIC**

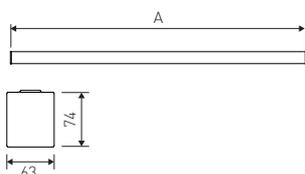
26W
80°
L=1692
control gear EL
3900 lm
4000K **AG0E1XLL30AMIC**

25W
80°
L=1692
control gear EL
6600 lm
4000K **AG0E1XLL60AMIC**



Opal methacrylate diffuser (PMMA)

Lamp and control gear included



2600 / L=1200	A= 1132
4400 / L=1200	A= 1132



28W
80°
L=1132
control gear TW
4400 lm
2700K-6500K **AD0E1XLL44TWMIC**

Features



End-caps not included

Finishes

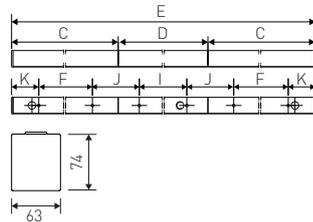


LED

Opal methacrylate diffuser (PMMA)

Lamp and control gear included

CONTINUOUS LINE VERSIONS



2600 / L=1200	C= 1127	D=1122	E=3376	F=1000	I=1000	J=122	K=66
4400 / L=1200	C= 1127	D=1122	E=3376	F=1000	I=1000	J=122	K=66
3250 / L=1500	C= 1407	D=1402	E=4216	F=1200	I=1200	J=202	K=106
5500 / L=1500	C= 1407	D=1402	E=4216	F=1200	I=1200	J=202	K=106
3900 / L=1700	C= 1687	D=1682	E=5056	F=1500	I=1500	J=182	K=96
3900 / L=1700	C= 1687	D=1682	E=5056	F=1500	I=1500	J=182	K=96

HEAD

17W
80°
L=1132
control gear EL
2600 lm
4000K **AG0E1XLLA26AMIC**

28W
80°
L=1132
control gear EL
4400 lm
4000K **AG0E1XLLA44AMIC**

21W
80°
L=1412
control gear EL
3250 lm
4000K **AG0E1XLLA325AMIC**

35W
80°
L=1412
control gear EL
5500 lm
4000K **AG0E1XLLA55AMIC**

26W
80°
L=1692
control gear EL
3900 lm
4000K **AG0E1XLLA33AMIC**

42W
80°
L=1692
control gear EL
6600 lm
4000K **AG0E1XLLC60AMICO**

MEDIUM

17W
80°
L=1122
control gear EL
2600 lm
4000K **AG0E1XLLB26AMIC**

28W
80°
L=1122
control gear EL
4400 lm
4000K **AG0E1XLLC44CMICO**

21W
80°
L=1402
control gear EL
3250 lm
4000K **AG0E1XLLC325AMIC**

35W
80°
L=1402
control gear EL
5500 lm
4000K **AG0E1XLLC55AMIC**

26W
80°
L=1682
control gear EL
3900 lm
4000K **AG0E1XLLC33AMIC**

42W
80°
L=1682
control gear EL
6600 lm
4000K **AG0E1XLLC60CMICO**

END

17W
80°
L=1142
control gear EL
2600 lm
4000K **AG0E1XLLC26CMICO**

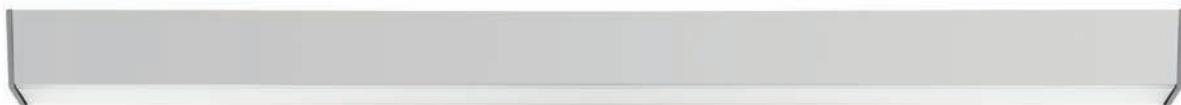
28W
80°
L=1142
control gear EL
4400 lm
4000K **AG0E1XLLB44AMIC**

21W
80°
L=1412
control gear EL
3250 lm
4000K **AG0E1XLLB325AMIC**

35W
80°
L=1412
control gear EL
5500 lm
4000K **AG0E1XLLB55AMIC**

26W
80°
L=1692
control gear EL
3900 lm
4000K **AG0E1XLLB33AMIC**

42W
80°
L=1692
control gear EL
6600 lm
4000K **AG0E1XLLC60BMICO**



Suspension systems

Suspension with connection - 3 poles

L=1,6m

Anodized aluminium - **AG6E1-600XLN1P-3**

White - **AG6E1-600XLN1P-3W**



Suspension with connection - 5 poles

L=1,6m

Anodized aluminium - **AG6E1-600XLN1P-5**

White - **AG6E1-600XLN1P-5W**



Steel suspension cable

L=1,6m

Anodized aluminium - **AG6E1-600XLN1P**

White - **AG6E1-600XLN1PW**

Conector

Continuous line aligner

AG0E1XLL-SLED

Architectural range of luminaires suitable for lighting spaces such as counter areas in hotels, retail, showrooms, offices, bars or restaurants as well suspension or hanging applications.

Features

Body built-in aluminium with two possible diffusers: opal polycarbonate or prismatic. Gear built in the luminaire. Suitable to be surface mounted or suspended.
Suspension elements not included.



Power

LED 42W, 68W

Beam

95°, 80°

Colour temperature

LED - 3000K warm white - CRI ≥ 85

LED - 4000K neutral white - CRI ≥ 85

Nominal lumen output

42W - 5200 lm, 68W - 8800 lm

Control gear

Electronic (EL)

IP

IP20

Finishes

Grey

White

Supply voltage

220...230V, 50/60Hz

Accessories

Suspension systems 1500mm

Features

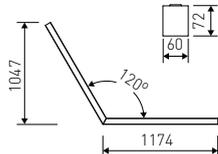


Finishes



Opal diffuser

LED and control gear included



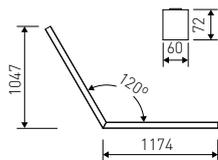
■	42W 95° 5200 lm 3000K AG0E1XSVL52BPLX 4000K AG0E1XSVL52APLX	□	42W 95° 5200 lm 3000K AG0E1XSVL52BPLXW 4000K AG0E1XSVL52APLXW
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■	68W 95° 8800 lm 3000K AG0E1XSVL88BPLX 4000K AG0E1XSVL88APLX	□	68W 95° 8800 lm 3000K AG0E1XSVL88BPLXW 4000K AG0E1XSVL88APLXW
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Micro-prismatic diffuser

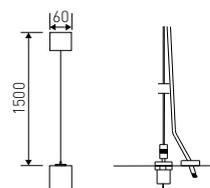
LED and control gear included



■	42W 80° 5200 lm 3000K AG0E1XSVL52BMPR 4000K AG0E1XSVL52AMPR	□	68W 80° 8800 lm 3000K AG0E1XSVL52BMPRW 4000K AG0E1XSVL52AMPRW
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■	42W 80° 5200 lm 3000K AG0E1XSVL88BMPR 4000K AG0E1XSVL88AMPR	□	68W 80° 8800 lm 3000K AG0E1XSVL88BMPRW 4000K AG0E1XSVL88AMPRW
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Suspension systems



■	AG6E1-600XLN1PW Wireless suspension point in grey	□	AG6E1-600XLN1P Wireless suspension point in white
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■	AG6E1-600XLN1P-3W 3 wires suspension point in grey	□	AG6E1-600XLN1P-3 3 wires suspension point in white
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Shopline is a modular system to create continuous LED lines with high energy efficiency. Thanks to its flexibility and variety of versions, Shopline offers many possibilities to fulfil different needs in lighting projects such as shopping centers, supermarkets, industrial facilities, warehouses with ceiling height of 15m maximum. Its design enables to be installed in record time and without the need of extra tools.

**Power**

LED 35W, 50W, 75W

Colour temperature4000K - neutral white - CRI \geq 80

3000K - 5000K - 6000K - on request

Nominal lumen output

35W - 5600 lm, 50W - 8000 lm, 75W - 11600 lm

Control gear

Electronic (EL)

Electronic Dimmer (ELD)

Electronic Dimmer DALI (ELDD)

Emergency ¹ (direct emergency supply...)Emergency ² (emergency with battery 12W, 3600 mAh, 3h)Emergency ² (emergency with battery 6W, 1800 mAh, 3h)**IP**

IP42

Installation

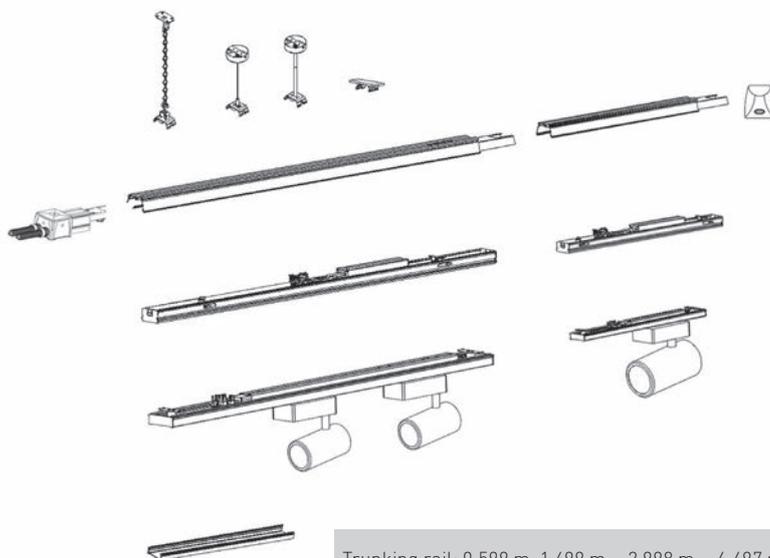
Ceiling mounting or suspended by accessories

Accessories

Suspension mounted, cover, connector

Combinations

This modular system enables multiple combinations through using different elements, adapting the system to the lighting needs of each project.



Trunking rail: 0,599 m, 1,499 m - 2,998 m - 4,497 m
 Linear Luminaire: 1,499 m
 Functional modules: control, emergency, electrified track...
 Mounting: Suspended or Surface-mounted
 Blind cover: 1,499m

Benefits

- Highly efficient modular system in LED continuous line for industrial and retail sectors.
- Excellent quality of light with a luminous flux able to meet different needs
- Easy and quick to install and replace lamps
- Flexible solution thanks to the variety of modules and possibilities

Installation

Shopline has a quick and easy installation system without using additional tools. The system enables to change a luminaire in less than 45 seconds.

Direct ceiling mounting or suspended by accessories. Especially suitable for very high ceilings. Industrial buildings, warehouses, schools, supermarkets and other shopping centers, offices, labs, halls and other facilities.

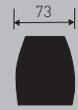


Shopline configuration



Trunking rail

Trunking rail to install suspended or surface-mounted. Sheet steel profile painted in white. Length: L= 0,599m, L=1,499m - L=2,998m - L=4,497m



Pre-Cabled

Trunking rails pre-cables and fitted with 5, 8 or 12 by 2,5mm² wires.



Pre-cabled

LED luminaires can be mounted to the trunking rail Shopline with versions for 5, 8 and 12 wires.



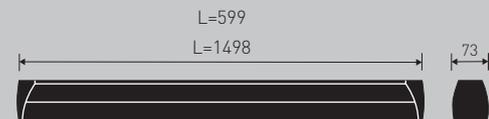
Power

Variety of luminous fluxes to meet different needs of lighting and LEDs that ensure efficient lighting.



Linear Light

Visually a continuous light line uninterrupted.



Colour Temperature

Colour rendering index of $R_a \geq 80$, colour temperature range of 3000K, 4000K, 5000K, 6000K and low UGR.



Optics

Luminaires incorporate lenses with different beam angles: Double asymmetric, left asymmetric, right asymmetric, diffuser, wide, narrow, sharp.



Control Gear

Control gear with the possibility of control and emergency lighting to provide flexibility, comfort and energy efficiency.

06 = length 0,6 m (on request)

15 = length 1,5 m

30 = length 3 m

45 = length 4,5 m

track **11.0282.██.□□.33**

track end **11.0283.██.□□.33**

05 = pre-cabled and fitted with 5 cables (on request)

08 = pre-cabled and fitted with 8 cables

12 = pre-cabled and fitted with 12 cables (on request)

track **11.0282.■■.██.33**

track end **11.0283.■■.██.33**

5 = pre-cabled and fitted with 5 cables (on request)

8 = pre-cabled and fitted with 8 cables

1 = pre-cabled and fitted with 12 cables (on request)

11.14 ██.□□□□.33

LED

3 = LED 35W - 5600 lm

5 = LED 50W - 8000 lm

7 = LED 75W - 11600 lm

11.14 ███.□□□□.33

1 = 600 mm (on request)

2 = 1500 mm

11.14 ███.██□□□.33

3 = 3000K - (on request)

4 = 4000K

5 = 5000K - (on request)

6 = 6000K - (on request)

11.14 ███.███□□.33



1 = narrow 25°



2 = intensive 50°



3 = extensive 90°



4 = clear diffuser 120°



5 = matt diffuser 120°



6 = right asymmetric



7 = left asymmetric



8 = Double asymmetric

11.14 ███.█████.33

1 = Electronic (EL)

2 = Electronic Dimmer (ELD)

3 = Electronic Dimmer DALI (ELDD)

4 = Emergency¹ (direct emergency supply ...) - (bajo demanda, precisa sistema de 11 cables)

5 = Emergency² (emergency with battery 12W, 3600 mAh, 3h)

6 = Emergency² (emergency with battery 6W, 1800 mAh, 3h)

11.14 ███.█████.33



11.14 ███.█████.33

The reference consists of twelve digits and is created while the elements are chosen and placing the partial codes in the places indicated with a cross.



Mounts



11.0280.0302.00
Direct suspension mounted



11.0280.0303.00
Cord



11.0280.0304.00
Chain



11.0280.0305.00
Rod

Cover



11.0280.0307.33
End cover



11.1400.2000.33
Blind cover



11.1450.2000.33
Tray for three-phase track



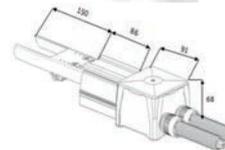
Connector



11.0281.0008.00
Feeding trunk 8 cables
(5 and 12 cables on request)



11.0281.0208.33
Terminal feeding box 8 cables
(5 and 12 cables on request)





Small power strip to accommodate small spaces, shelves, and indirect lighting needs. Possibility to create continuous lines.

Features

Polycarbonate body and diffuser. Surface installation, either suspended (suspension kit not included) or as continuous lines. Built in connectors.



Power

LED 5W, 10W, 15W, 20W

Beam

105°

Colour temperature

3000K warm white - CRI ≥ 80
4000K neutral white - CRI ≥ 80

Flujo nominal

5W - 500 lm
10W - 1000 lm
15W - 1500 lm
20W - 2000 lm

Control gear

Electronic (EL)

IP

IP20

Finishes

White brilliant

Supply voltage

220... 230V, 50/60Hz

Installation

Surface

Accessories

Suspension kit

Features



LED



LED and control gear included



L= 300
L= 585
L= 885
L= 1185



5W
105°
500 lm
3000K **11.0201.0305.30**
4000K **11.0201.0305.40**



10W
105°
1000 lm
3000K **11.0201.0610.30**
4000K **11.0201.0610.40**



15W
105°
1500 lm
3000K **11.0201.0915.30**
4000K **11.0201.0915.40**



20W
105°
2000 lm
3000K **11.0201.1220.30**
4000K **11.0201.1220.40**

IN

ARCHITECTURAL p. 14

TRACKLIGHTS p. 64

RECESSED DOWNLIGHTS p. 100

RECESSED LUMINAIRES p. 158

RECESSED LINEARS p. 172

SURFACE DOWNLIGHTS p. 178

SURFACE LUMINAIRES p. 192

SURFACE LINEARS p. 204

WALL SCONCES p. 224

INDUSTRIAL p. 234

LINEALED p. 246

HEALTH & CARE p. 262

8

WALL SCONCES



Eclipse
p. 226



Orbit
p. 228



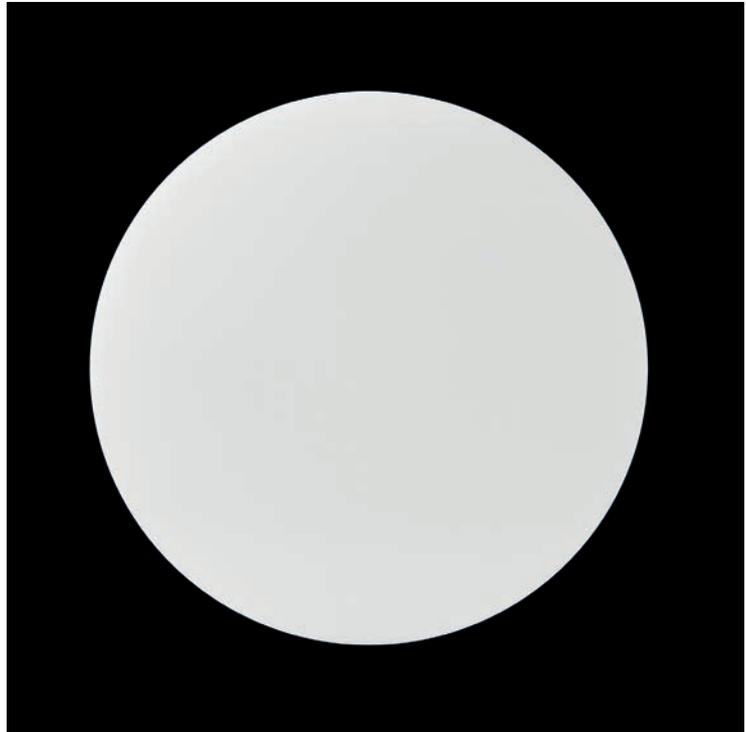
X Line Wall
p. 230



Flex
p. 232

Eclipse is a wall sconces range with indirect light and a pure design based on simple lines. It is ideal for integrate in any environment, either of work (offices, schools, waiting rooms and hospital rooms ...) or in more relaxed environments (hotel rooms, lobbies, bars, restaurants, residential areas...).

Eclipse is presented in round or square format with two different sizes in each format. It can be installed in group combining shapes sizes and colours to generate light effects, highlight the architecture and generate suitable environments for each specific use of space.



Features

Eclipse is made of injected aluminium with diffuse lenses that allow the right indirect lighting to generate a relaxed and evocative atmosphere. Set last generation LEDs to minimize consumption.

Installation

Installation on wall surface.



Power

LED 9W, 12W

Colour temperature

LED 3000K warm white - CRI \geq 80

Nominal lumen output

9W - 1890 lm, 12W - 2520 lm

Control gear

Electronic (EL)

IP

IP44, IP20

Finishes

Black (04)

White (33)

Supply voltage Alimentación

220...240, 50/60Hz

Installation

Installation on wall surface.

Features

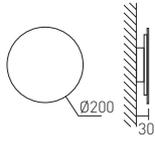


Finishes



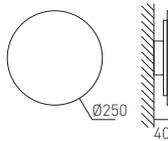
To complete the product reference, add finish

LED



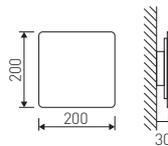
9W
1890 lm
control gear EL
3000K **11.1914.1301**

LED and control gear included



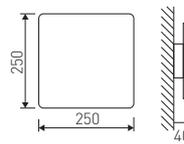
12W
2520 lm
control gear EL
3000K **11.1914.3301**

LED



9W
1890 lm
control gear EL
3000K **11.1914.2301**

LED and control gear included



12W
2520 lm
control gear EL
3000K **11.1914.4301**



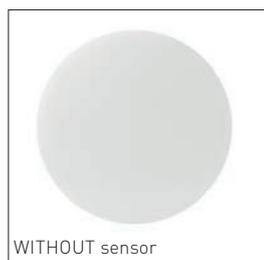
Orbit is a range of LED surface luminaires with circular format developed for indoor spaces that allows installation on walls or ceilings.

Their simple design and great formal purity make them suitable for numerous spaces: homes (kitchens, bathrooms...), hotels, communal areas, transit areas (stairs, corridors ...), waiting areas, auxiliary spaces (storerooms, washrooms ...), without sacrificing play with visual effects generated from their use in multiple combination in places where these lights can be part of the interior design.

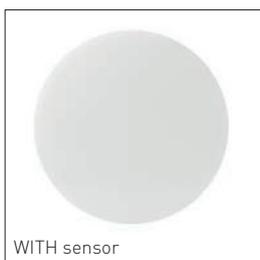
Features

Design for wall or ceiling applications. For a decorative finish, it is possible to add available rings in different colors. Polycarbonate diffuser for uniform light distribution. Easy installation.

Available with sensor.



WITHOUT sensor



WITH sensor



WITH decorative ring

Power

LED 14,5W

Colour temperature

LED 3000K warm white - CRI \geq 80

Nominal lumen output

14,5W - 1236 lm

Control gear

Electronic (EL)

Sensor

IP

IP44

Finishes accessories

Chrome (01)

Black (04)

Grey (27)

Anthracite (22)

White (33)

Copper (85)

Gold (92)

Supply voltage Alimentación

220...240, 50/60Hz

Installation

Wall or ceiling

Accessories

Decorative ring

Features



Finishes accessories

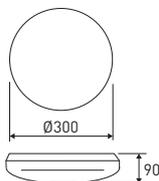


To complete the product reference, add finish

LED



LED and control gear included



14,5W
1236 lm
control gear EL
3000K **11.1550.0001.00**

14,5W
1236 lm
control gear EL
Sensor
3000K **11.1550.0002.00**

Accessories

Decorative ring



11.1550.0001

X-Line is a range of LED luminaires. They are designed for mounting on walls for bathrooms, hospitals and can be fitted in continuous lines.

Features

Aluminium profile and opal polycarbonate diffuser.
Electronic gear built in the luminaire.

Fitting

Surface mounted. Can fitted as individual modules or in continuous lines.
Suspension elements not included.



Power

LED 11W, 16W, 18W, 32W, 27W, 47W, 36W, 62W

Beam

126°

Colour temperature

4000K neutral white - CRI ≥ 80

Nominal lumen output

11W - 1300 lm, 16W - 2200 lm, 18W - 2600 lm, 32W - 4400 lm,
27W - 3900 lm, 47W - 6600 lm, 36W - 5200 lm, 62W - 8800 lm

Control gear

Electronic (EL)

IP

IP44 - IK04

Finishes

Grey

Supply voltage

220... 230V, 50/60Hz

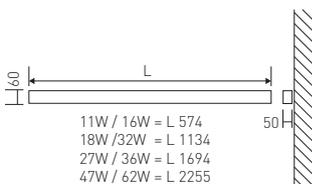
Installation

Surface mounted

Features



LED and control gear included



■ 11W 1300 lm L=574 4000K AG0E1XK9L10APLX	■ 16W 2200 lm L=574 4000K AG0E1XK9L20APLX
--	--

■ 18W 2600 lm L=1134 4000K AG0E1XK9L26APLX	■ 32W 4400 lm L=1134 4000K AG0E1XK9L40APLX
---	---

■ 27W 3900 lm L=1694 4000K AG0E1XK9LA30APLX	■ 47W 6600 lm L=1694 4000K AG0E1XK9L66APLX
--	---

■ 36W 5200 lm L=2255 4000K AG0E1XK9LA40APLX	■ 62W 8800 lm L=2255 4000K AG0E1XK9L88APLX
--	---

Flex is an adjustable wall lamp in small format, suitable for hotels or domestic uses for spot lighting.

Features

Body made in die-cast aluminium with adjustable arm.
Cylindrical heads in small format.
LED and control gear included.



Power

LED 2,5W

Beam

25°

Colour temperature

3000K warm white - CRI \geq 80

Nominal lumen output

2,5W - 150 lm

Control gear

Electronic (EL)

IP

IP20

Finishes

Stainless steel (20)

Supply voltage

220...230V 50/60Hz

Installation

Wall

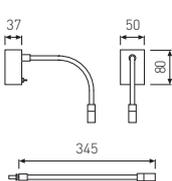
Features



LED



LED and control gear included



2,5W
25°
150 lm
3000K **0170/1/20**

IN

ARCHITECTURAL p. 14

TRACKLIGHTS p. 64

RECESSED DOWNLIGHTS p. 100

RECESSED LUMINAIRES p. 158

RECESSED LINEARS p. 172

SURFACE DOWNLIGHTS p. 178

SURFACE LUMINAIRES p. 192

SURFACE LINEARS p. 204

WALL SCONCES p. 224

INDUSTRIAL p. 234

LINEALED p. 246

HEALTH & CARE p. 262

9

INDUSTRIAL



Astrea
p. 236



Orion
p. 238



Aries
p. 240



Nix
p. 242



Rubin Sport
p. 244

Suspended highbay LED ideal for warehouses, supermarkets, exhibition halls and other interior locations that require a functional luminaire with a good design for spaces that require an industrial look.

Features

Die-cast aluminium body bell, polycarbonate lenses and LEDs.
Available in 60, 90 and 120 degrees. Integrated electronic system.



Power

LED 90W, 148W, 198W

Beam

60°, 90°, 120°

Colour temperature

4000K neutral white - CRI ≥ 80

5000K neutral white - CRI ≥ 80

Nominal lumen output

90W - 12000 lm, 148W - 19800 lm, 198W - 26840 lm

Control gear

Electronic Dimmer (ELD)

IP

IP65, IK05

Finishes

Grey [21]

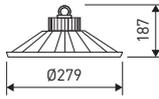
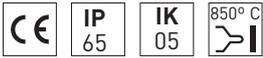
Supply voltage

220...240V, 50/60Hz

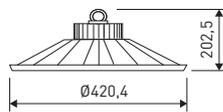
Installation

Suspended

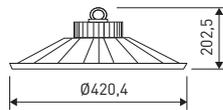
Features



90W 60° control gear ELD 12000 lm 4000K 11.1607.4841.21 5000K 11.1607.4851.21	90W 90° control gear ELD 12000 lm 4000K 11.1607.4842.21 5000K 11.1607.4852.21	90W 120° control gear ELD 12000 lm 4000K 11.1607.4843.21 5000K 11.1607.4853.21
--	--	---



148W 60° control gear ELD 19800 lm 4000K 11.1607.5841.21 5000K 11.1607.5851.21	148W 90° control gear ELD 19800 lm 4000K 11.1607.5842.21 5000K 11.1607.5852.21	148W 120° control gear ELD 19800 lm 4000K 11.1607.5843.21 5000K 11.1607.5853.21
---	---	--



198W 60° control gear ELD 26840 lm 4000K 11.1607.6841.21 5000K 11.1607.6851.21	198W 90° control gear ELD 26840 lm 4000K 11.1607.6842.21 5000K 11.1607.6852.21	198W 120° control gear ELD 26840 lm 4000K 11.1607.6843.21 5000K 11.1607.6853.21
---	---	--

Orion is a LED linear suspended highbay with a unique thermal design for stable performance of the product. It is ideal for warehouses, supermarkets, corridors exhibition and other industrial spaces that require a functional luminaire with a strong and functional design.

Features

Injected aluminium body with optics polycarbonate protected with a frontal tempered glass. The excellent thermal management and heat radiation system allow the LEDs to work in a consistent way guaranteeing effectiveness throughout the luminaire life. Available with 60°, and elliptical 75° x 135° lenses. 1-10V dimmable electronic gear integrated.



Power

LED 110W, 220W, 440W

Beam

60° - 75° x 135°

Colour temperature

4000K neutral white - CRI ≥ 70

Nominal lumen output

110W - 15600 lm, 220W - 31200 lm, 440W - 62400 lm

Control gear

Electronic Dimmer (ELD)

IP

IP65, IK08

Finishes

Black (04)

Supply voltage

100...277V, 50/60Hz

Installation

Suspended

Features



Finishes



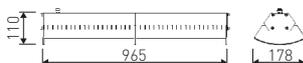
LED

LED and control gear included



■ 110W
60°
control gear ELD
15600 lm
4000K **11.1714.1412.04**

■ 110W
75°x135°
control gear ELD
15600 lm
4000K **11.1714.1422.04**



■ 220W
60°
control gear ELD
31200 lm
4000K **11.1714.2412.04**

■ 220W
75°x135°
control gear ELD
31200 lm
4000K **11.1714.2422.04**



■ 440W
60°
control gear ELD
62400 lm
4000K **11.1714.4412.04**

■ 440W
75°x135°
control gear ELD
62400 lm
4000K **11.1714.4422.04**



LED suspended highbay efficient and functional to light industrial spaces such as warehouses, supermarkets, exhibition halls, industrial centres and in general all kinds of large-spaces that require a practical general lighting and effective.

Features

Body made of injected aluminium with a frontal diffuser made of transparent PMMA.

Installation

The luminaire is designed to be installed suspended from the ceiling.



Power

LED 90W, 140W, 180W

Beam

100°

Colour temperature

4000K neutral white - CRI ≥ 80

Nominal lumen output

90W - 10500 lm, 140W - 17000 lm, 180W - 21000 lm

Control gear

Electronic (EL)

IP

IP65

Finishes

Black (04)

Supply voltage

220...240V, 50/60Hz

Installation

Suspended

Features



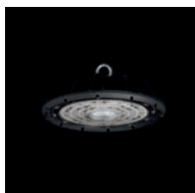
Finishes



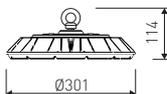
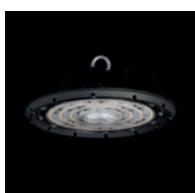
LED



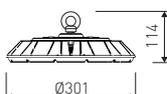
LED and control gear included



■
90W
100°
control gear EL
10500 lm
4000K **11.1820.1841.04**



■
140W
100°
control gear EL
17000 lm
4000K **11.1820.2841.04**



■
180W
100°
control gear EL
21000 lm
4000K **11.1820.3841.04**



Nix is a range of LED waterproof luminaires with a huge variety of installation types, wall or ceiling mounted, or hanging. Luminaires especially suitable for lighting premises requiring a high level of protection from the surroundings: high degree of humidity, air pollution, risk of impacts...

Features

Housing in injected polycarbonate, reflecting plate in enamelled steel, and polycarbonate diffuser stabilized against UV rays and fixed to the luminaire by clips which are fully integrated into the housing.



Power

LED 12W, 25W, 30W, 50W, 60W

Ópticas

120°

Colour temperature

4000K neutral white - CRI ≥ 80

Nominal lumen output

12W - 1120 lm, 25W - 2252 lm, 30W - 2875 lm,
50W - 4956 lm, 60W - 6023 lm

Control gear

Electronic (EL)
Electronic Dimmer (ELD)
Electronic Dimmer Dali (ELDD)

IP

IP65 - IK10

Finishes

Grey [21]

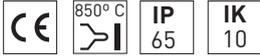
Supply voltage

220...240V, 50/60Hz

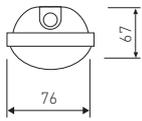
Installation

Surface mounted

Features

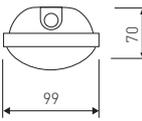


LED and control gear included



12W L= 600

12W
120°
control gear EL
1120 lm
4000K **11.0030.1411.21**



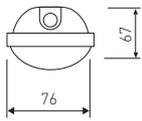
25W L= 600

25W
120°
control gear EL
2304 lm
4000K **11.0030.1401.21**

25W
120°
control gear ELD
2304 lm
4000K **11.0030.1402.21**

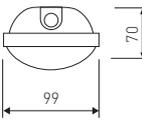
25W
120°
control gear ELDD
2304 lm
4000K **11.0030.1403.21**

25W
120°
control gear EE
2304 lm
4000K **11.0030.1404.21**



25W L= 1200

25W
120°
control gear EL
2252 lm
4000K **11.0030.2411.21**



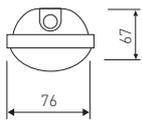
50W L= 1200

50W
120°
control gear EL
4956 lm
4000K **11.0030.2401.21**

50W
120°
control gear ELD
4956 lm
4000K **11.0030.2402.21**

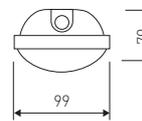
50W
120°
control gear ELDD
4956 lm
4000K **11.0030.2403.21**

50W
120°
control gear EE
4956 lm
4000K **11.0030.2404.21**



30W L= 1500

30W
120°
control gear EL
2875 lm
4000K **11.0030.3411.21**



60W L= 1500

60W
120°
control gear EL
6023 lm
4000K **11.0030.3401.21**

60W
120°
control gear ELD
6023 lm
4000K **11.0030.3402.21**

60W
120°
control gear ELDD
6023 lm
4000K **11.0030.3403.21**

60W
120°
control gear EE
6023 lm
4000K **11.0030.3404.21**

Surface luminaire specially designed for indoor sports spaces, able to offer a comfortable lighting for the users of the sport areas, while optimizing consumption and efficiency. Interesting applications for sports, gymnastics and squash courts, etc.

Features

Luminaire made of steel sheet lacquered in white and equipped with the protective grid made of steel wire painted in white. Micro-PRM diffuser used in the luminaire reduces the effect of glare. Ceiling surface or suspended installation.



Power

LED 120W, 180W, 240W

Beam

95°

Colour temperature

4000K neutral white - CRI ≥ 80

Nominal lumen output

120W - 16000 lm, 180W - 24000 lm, 240W - 32000 lm

Control gear

Electronic (EL)

IP

IP20 - IK10

Finishes

White

Supply voltage

220...240V, 50/60Hz

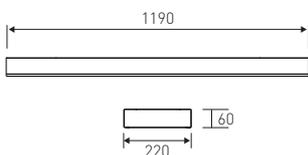
Installation

Surface mounted on ceiling or suspended (suspensions not included)

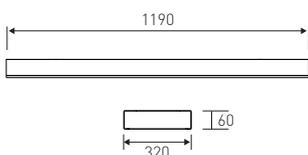
Features



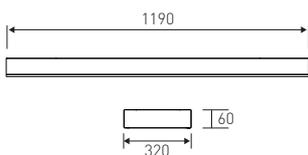
LED



□
120W
95°
control gear EL
16000 lm
4000K **AG0B1RSNL16AMPR**



□
180W
95°
control gear EL
24000 lm
4000K **AG0B1RSNL24AMPR**



□
250W
95°
control gear EL
32000 lm
4000K **AG0B1RSNL32AMPR**



IN

ARCHITECTURAL p. 14

TRACKLIGHTS p. 64

RECESSED DOWNLIGHTS p. 100

RECESSED LUMINAIRES p. 158

RECESSED LINEARS p. 172

SURFACE DOWNLIGHTS p. 178

SURFACE LUMINAIRES p. 192

SURFACE LINEARS p. 204

WALL SCONCES p. 224

INDUSTRIAL p. 234

LINEALED p. 246

HEALTH & CARE p. 262

10

LINEALED



FlexiLED
p. 248



Lightline
p. 252



Neonled
p. 254



Perfiled
p. 256

Flexiled is a product with excellent luminance performance and excellent colour uniformity, putting on high efficiency SMD LEDs. It is a product both for indoor and outdoor, extremely versatile and for easy installation. Ideal for applications in short spaces due to its small dimensions, being suitable for general lighting, accent lighting or environmental light effects, in any type of modern and functional architecture as well as in any type of environment.

Versatile: Flexiled offers a wide range of power (5W/m, 10W/m, 15/m and 20W/m) and versions: white in different tones (super-warm, extra-warm, warm, neutral and cold), dimmable colour (RGB and RGBW), tuneable white (TW, adjustable white tone from extra-warm to cold).

Isolation degree: (IP20 and IP66).

Fit your needs: The possibility of cutting tailored Flexiled on installation site in an easily and simply way allows you to adjust the product to the dimensions and needs of the architectural space (see for each model the multiple of length of cut).

Easy to install: Each Flexiled model incorporates a 3M adhesive ribbon that facilitates and ensures its fixation in any type of surface. It also has quick connectors that allow wiring and connect the strips together facilitating installation.

Efficient and durable: The combined use of Flexiled with our Perfiled profile range, facilitates fixing to the different architectural elements, improves thermal dissipation and increases the efficiency and the useful life of the product.

Technology and innovation: Flexiled uses state-of-the-art LEDs with high efficiency (100lm / W) and all the know-How of TROLL collected from the last 75 years of experience: The RGBW technology application allows a better definition of colour, especially pastel shades. White super warm that allow to create more pleasant environments and comfortable Products with IP66 that allow their use outdoors or in interior protecting the electronics from the aggression of the environmental factors.

Features: Product with flexible PCB of 8 mm, 10mm or 12mm width with different density of LEDs / m, from 60 to 280 LEDs for each linear meter. The supplied 5 meter strips can be cut to size in multiples of cut 50mm or 100mm, (depending on the density of LEDs / m). Flexiled adds in a 3M's self-adhesive tape on the back for easy installation. There are IP66 Versions sealed and encapsulated in sheath silicone with square profile.

Installation: The fixing of the flexible strips should be on smooth surfaces clean of dust and grease. It is always recommended install them on a metallic surface, preferably aluminium. In other surface types it is advisable to use a additional mechanical fixation. The delivery is in 5 linear meters rolls.



Power

LED 5W/m,10W/m, 15W/m, 20W/m

Versions

White: Colour temperature

2300K super-warm white - CRI ≥ 80

2700K extra-warm white - CRI ≥ 80

3000K warm white - CRI ≥ 80

4000K neutral white - CRI ≥ 80

6000K cool white - CRI ≥ 80

Tuneable white (TW)- CRI ≥ 80

Dimmable colour RGB and RGBW

Nominal lumen output

100lm/w

IP

IP20 - IP66

Supply voltage

24 VDC

Installation

Surface

Accessories

Aluminium profiles

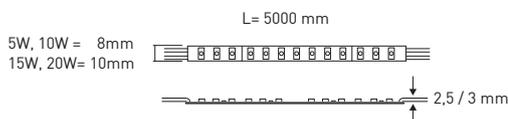
Connectors

Features



Control gear required

Sena - IP20 white light Flexible LED strip



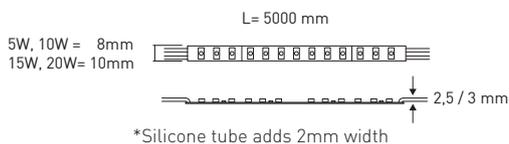
	5W/m	10W/m	15W/m	20W/m
	24V	24V	24V	24V
	500lm/m	1000lm/m	1500lm/m	2000lm/m
	120°	120°	120°	120°
N° LEDs	60 LEDs/m	120 LEDs/m	120 LEDs/m	120 LEDs/m
Multiple length of cut	100mm	50 mm	50 mm	50 mm
PCB width	8 mm	8 mm	10 mm	10 mm
2300K	11.7891.0581.00	11.7891.1081.00	11.7891.1581.00	11.7891.2081.00
2700K	11.7891.0582.00	11.7891.1082.00	11.7891.1582.00	11.7891.2082.00
3000K	11.7891.0583.00	11.7891.1083.00	11.7891.1583.00	11.7891.2083.00
4000K	11.7891.0584.00	11.7891.1084.00	11.7891.1584.00	11.7891.2084.00
6000K	11.7891.0586.00	11.7891.1086.00	11.7891.1586.00	11.7891.2086.00

Accessories - IP20

PCB-PCB connector 8 mm	11.7891.0004.00
PCB-Wire connector 8mm	11.7891.0001.00
PCB-PCB connector 10mm	11.7891.0005.00
PCB-Wire connector 10mm	11.7891.0002.00



Tajo - IP66 white light Flexible LED strip



	5W/m	10W/m	15W/m	20W/m
	24V	24V	24V	24V
	500lm/m	1000lm/m	1500lm/m	2000lm/m
	120°	120°	120°	120°
N° LEDs	60 LEDs/m	120 LEDs/m	120 LEDs/m	120 LEDs/m
Multiple length of cut	100mm	50 mm	50 mm	50 mm
PCB width	8 mm	8 mm	10 mm	10 mm
2300K	11.7851.0581.00	11.7851.1081.00	11.7851.1581.00	11.7851.2081.00
2700K	11.7851.0582.00	11.7851.1082.00	11.7851.1582.00	11.7851.2082.00
3000K	11.7851.0583.00	11.7851.1083.00	11.7851.1583.00	11.7851.2083.00
4000K	11.7851.0584.00	11.7851.1084.00	11.7851.1584.00	11.7851.2084.00
6000K	11.7851.0586.00	11.7851.1086.00	11.7851.1586.00	11.7851.2086.00

Accessories - IP66

PCB-PCB connector 8 mm	11.7851.0009.00
PCB-Wire connector 8mm	11.7851.0008.00
PCB-PCB connector 10mm	11.7851.0003.00
PCB-Wire connector 10mm	11.7851.0002.00



Installation accessory kit	11.7851.0010.00
End cap without drill 5 unit.	5W / and 10Wm
End cap with drill 5 unit.	
Clip 10 unit.	11.7851.0001.00
Screw 10 unit.	15W / and 20Wm
Silicone 1 unit.	

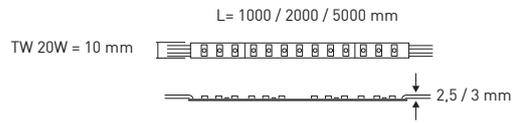


Features



Control gear required

Ramis - IP20 tuneable white flexible LED strip (variation from extra-warm-white to cold white)



N° LEDs
Multiple length of cut
PCB width
TW -2700K to 6000K

20W/m
24V
2400lm/m
120°
280 LEDs/m
50 mm
10 mm
11.7891.1401.00

Accessories - IP20

PCB-PCB connector 10mm
PCB-Wire connector 10mm

11.7891.0010.00
11.7891.0009.00

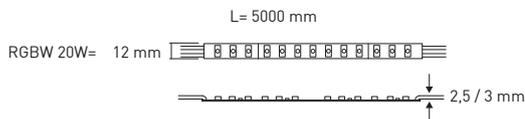


Features



Control gear required

Varta - IP20 dimmable-colour-with-white flexible LED strip (RGBW)



20W/m
 24V
 2000lm/m
 120°
 60 LEDs/m
 100 mm
 12 mm
 RGBW
11.7891.1301.00

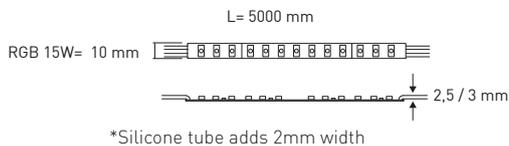
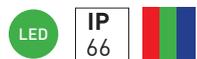
N° LEDs
 Multiple length of cut
 PCB width
 RGBW

Accessories - IP20 - RGB

PCB-PCB connector 12mm **11.7891.0008.00**
 PCB-Wire connector 12mm **11.7891.0007.00**



Po - IP66 dimmable colour flexible LEDs strip (RGB)



15W/m
 24V
 1500lm/m
 120°
 60 LEDs/m
 100 mm
 10 mm
 RGB
11.7851.1301.00

N° LEDs
 Multiple length of cut
 PCB width
 RGB

Accessories - IP66 - RGB

PCB-PCB connector 10mm **11.7851.0005.00**
 PCB-Wire connector 10mm **11.7851.0004.00**



11.7851.0001.00
 Installation accessory kit
 End cap without drill 5 unit.
 End cap with drill 5 unit.
 Clip 10 unit.
 Screw 10 unit.
 Silicone 1 unit.



Lightline is a high luminosity flexible LED strip with a high density of LEDs (700LEDs/m) that allows us a lighting system with a light spot free effect, even when using low-profile LED profiles.

Versatile: Lightline offers a wide range of white-tones of light from the super-warm white to the neutral white, with high colour rendering (CRI \geq 90).

Fit your needs: The possibility of cutting Flexiled in 10 mm-multiples length on installation site in an easily and simply way allows you to adjust the product to the dimensions and needs of the architectural space (see for each model the multiple of length of cut).

Easy to install: Lightlinemodel incorporates a 3M adhesive ribbon that facilitates and ensures its fixation in any type of surface. It also has quick connectors that allow wiring and connect the strips together facilitating installation.

Efficient and durable: The combined use of Lightline with our Perfiled profile range, facilitates fixing to the different architectural elements, improves thermal dissipation and increases the efficiency and the useful life of the product.

Technology and innovation: Lightline uses state-of-the-art LEDs with high efficiency (90lm/W) and all the know-How of TROLL collected from the last 75 years of experience: The Super-warm white model allows you to create more pleasant and comfortable environments. The high chromatic reproduction (CRI \geq 90) allows the perfect recreation of the colours. The generation of a continuous line of light avoids the vision of individual LED light points to generate spectacular effects of continuous light, perfect light surfaces to create relaxed environments.

Features: Product with flexible PCB of 12mm width with density of of 700 LEDs/ linear meter. The supplied 5 meter strips can be cut to size in multiples of cut 10mm. Lightline adds in a 3M's self-adhesive tape on the back for easy installation.

Installation: The fixing of the flexible strips should be on smooth surfaces clean of dust and grease. It is always recommended install them on a metallic surface, preferably aluminium. In other surface types it is advisable to use a additional mechanical fixation. The delivery is in 5 linear meters rolls.



Power

LED 24W/m

Colour temperature

2300K warm white - CRI \geq 90

2700K warm white - CRI \geq 90

3000K warm white - CRI \geq 90

4000K neutral white - CRI \geq 90

Nominal lumen output

90lm/w

IP

IP20

Supply voltage

24 VDC

Installation

Surface

Accessories

Aluminium profiles

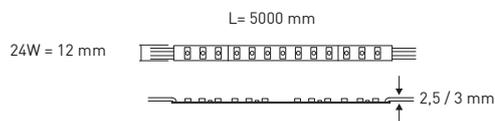
Connectors

Features



Control gear required

Rin - IP20 High-density flexible LEDs strip for continuous light line "light-spots-free"



N° LEDs
Multiple length of cut
PCB width
2300K
2700K
3000K
4000K

24W/m
24V
2100lm/m
120°
700 LEDs/m
10 mm
12 mm
11.7891.2481.00
11.7891.2482.00
11.7891.2483.00
11.7891.2484.00

Accessories - IP20

PPCB-PCB connector 12mm **11.7891.0006.00**
PCB-Wire connector 12mm **11.7891.0003.00**



Neonled is a flexible LED strip encapsulated in silicone with excellent light performance, uniformity and high efficiency. It is a product for indoor or outdoor use, very versatile and easy to install.

Versatile: Neonled offers two different tones of white light: white warm, or neutral white. It also offers versions of light lateral emission (one side), or light frontal emission.

Fit your needs: The possibility of cutting Neonled in 100 mm-multiples length on installation site in an easily and simply way allows you to adjust the product to the dimensions and needs of the architectural space, being easy to do tailor made installations.

Easy to install: Neonled incorporates a 3M adhesive ribbon that facilitates and ensures its fixation on any type of surface. Further it has also quick connectors that allow to wiring and connect the strips between them facilitating the installation. Neonled has an installation accessory kit that allows secure the flexible tape to the surface preventing it from moving.

Efficient and durable: Neonled add in the latest technologies to improve thermal dissipation and increase the efficiency and the useful life of the product.

Technology and innovation: Neonled adds in all the Know-How of TROLL collected from the last 75 years of experience: High isolation level to protect electronics from environmental aggressions. High chromatic reproduction to generates a continuous line of light that avoids the vision of the individual Led light.

Features: Product with 8 mm width flexible PCB and density of 144 LEDs/ linear meter. The supplied 5 meter strips can be cut to size in multiples of cut 100mm. It incorporates a 3M's self-adhesive tape on the back for easy installation.

Installation: The fixing of the flexible strips should be on smooth surfaces clean of dust and grease. It is always recommended install them on a metallic surface, preferably aluminium. It is always advisable to use an additional mechanical fixation by using the each model installation kit accessory. The delivery is in 5 linear meters rolls.



Mykita, Spain

Power

LED 9W/m

Colour temperature

3000K warm white - CRI \geq 80

4000K neutral white - CRI \geq 80

Versions

Frontal light emission

Lateral light emission

Nominal lumen output

25lm/w

IP

IP65

Supply voltage

24 VDC

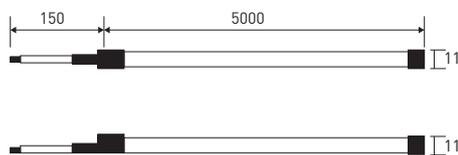
Installation

Surface

Accessories

Installation Kit

Sonora



Frontal light

9W/m

24V

225lm/m

120°

N° LEDs

144LEDs/m

Multiple length of cut

100 mm

PCB width

8 mm

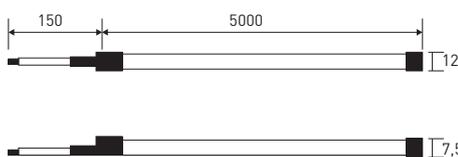
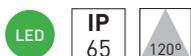
3000K

11.7861.0983.00

4000K

11.7861.0984.00

Loa



Lateral light

9W

24V

225lm/m

120°

N° LEDs

144LEDs/m

Multiple length of cut

100 mm

PCB width

8 mm

3000K

11.7871.0983.00

4000K

11.7871.0983.00

Accessories - IP65

Light front installation accessory kit

11.7861.0001.00

Light side installation accessory kit

11.7871.0001.00

End cap without drill 5 unit.

End cap with drill 5 unit.

Clip 10 unit.

Screw 10 unit.

Silicone 1 unit.



Our line of TROLL profiles offers the professional support for the perfect installation of Flexiled strips, providing the thermal dissipation necessary for its right operation with maximum efficiency. Manufactured in aluminium, they offer a range that allows you to find lighting solutions to cover all your needs.

Loira - Recessed profile

Roncal - Surface profile

Veny - 45° corner profile

Irati - High dissipation surface profile

Luna - Low level surface profile

Moselle - Indirect light sconce profile up & down

Ica - Recessed wall profile, floor cover

TROLL's Linealed profiles shown an aesthetic and functional design. They are designed, not only to meet an aesthetic function, but also thinking about the ease of installation and what is more important in its function as a heat sink of the heat generated in the environment of the LEDs.



Features



Loira - Recessed profile set



Transparent diffuser

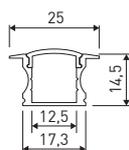
L = 1m
11.7890.0011.20

L = 2m
11.7890.0012.20

Opal diffuser

L = 1m
11.7890.1011.20

L = 2m
11.7890.1012.20



References add in aluminium profile, diffuser, end caps and installation clamps.

Roncal - Surface profile set



Transparent diffuser

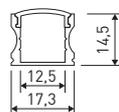
L = 1m
11.7890.0021.20

L = 2m
11.7890.0022.20

Opal diffuser

L = 1m
11.7890.1021.20

L = 2m
11.7890.1022.20

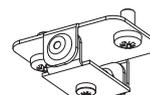


References add in aluminium profile, diffuser, end caps and installation clamps.

Accessories - Roncal



11.7890.0412.33
11.7890.0412.04
Suspension accessory (1 unit)



11.7890.0411.00
Joint-ball accessory (2 units)

Veny - 45° corner profile set



Transparent diffuser

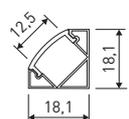
L = 1m
11.7890.0031.20

L = 2m
11.7890.0032.20

Opal diffuser

L = 1m
11.7890.1031.20

L = 2m
11.7890.1032.20

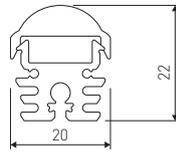


References add in aluminium profile, diffuser, end caps and installation clamps.

Features



Irati - High thermal disipation surface profile



Aluminium profile
L = 2m
11.7890.0401.20



30° frosted diffuser
11.7890.0402.00

60° frosted diffuser
11.7890.0403.00

90° frosted diffuser
11.7890.0404.00

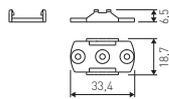
Opal diffuser
11.7890.0405.00

Transparent diffuser
11.7890.0406.00

Frosted diffuser
11.7890.0407.00

* Note: profile references add in only the aluminium profile, without diffusers, or lenses, no installation staples or end caps that should be ordered separately.

Installation accessories



11.7890.0410.00
Installation clamps (2 units)

11.7890.0409.00
End cups set (with/whithout drill for wire)

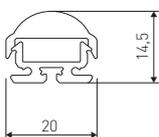


11.7890.0411.00
Joint-ball (2 units)



11.7890.0412.04
11.7890.0412.33
Suspension accessory

Luna



Aluminium profile
L = 2m
11.7890.0501.20



30° frosted diffuser
11.7890.0402.00

60° frosted diffuser
11.7890.0403.00

90° frosted diffuser
11.7890.0404.00

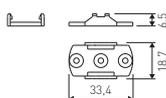
Opal diffuser
11.7890.0405.00

Transparent diffuser
11.7890.0406.00

Frosted diffuser
11.7890.0407.00

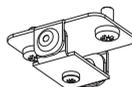
* Note: profile references add in only the aluminium profile, without diffusers, or lenses, no installation staples or end caps that should be ordered separately.

Installation accessories



11.7890.0410.00
Installation clamps (2 units)

11.7890.0502.20
End cups set (with/without drill for wire)



11.7890.0411.00
Joint-ball (2 units)



11.7890.0412.04
11.7890.0412.33
Suspension accessory

Features

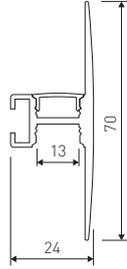


Finishes



To complete the product reference, add finishing

Mosela - Up&down indirect light scone profile set



Transparent diffuser
L = 1m
11.7890.0041



Opal diffuser
L = 1m
11.7890.1041

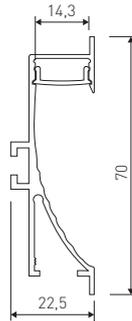
L = 2m
11.7890.0042

L = 2m
11.7890.1042



References add in aluminium profile, diffuser, end caps and installation clamps.

Ica - Wall recessed profile set for floor washing



Transparent diffuser
L = 1m
11.7890.0051

Opal diffuser
L = 1m
11.7890.1051

L = 2m
11.7890.0052

L = 2m
11.7890.1052

References add in aluminium profile, diffuser, end caps and installation clamps.

Auxiliary equipment IP20	Power supply 220-240Vac/24V 30W	11.1801.7010.00
	Power supply 220-240Vac/24V 60W	11.1801.7011.00
	Power supply 220-240Vac/24V 120W	11.1801.7012.00
	Power supply 220-240Vac/24V 180W	11.1801.7013.00
	Power supply 220-240VAC 24V 35W DALI	11.1801.7030.00
	Power supply 220-240VAC 24V 60W DALI	11.1801.7031.00
	Power supply 220-240VAC 24V 100W DALI	11.1801.7032.00
	Power supply 220-240VAC/24V 150W DALI	11.1801.7033.00

Auxiliary equipment IP65	Power supply 120-240Vac/24V 60W - IP65	71/LDT06024
	Power supply 120-240Vac/24V 96W - IP65	71/LDT9624
	Power supply 120-240Vac/24V 180W - IP65	71/LDT18024

Auxiliary equipment IP20	Dimmable controller RGBW, RGB and TW Master	11.1655.0001.00
		Esclavo 11.1655.0004.00

1 master can control up to 20 slaves

	RGB and RGBW recessed touch panel	11.1655.0002.00
	1 touch panel can control up to 20 masters	

	TW recessed touch panel	11.1655.0005.00
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	RGB & RGBW remote control	11.1655.0003.00
	1 remote control can control up to 20 masters	

	TW remote control	11.1655.0006.00
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Health & Care

The Health & Care industry is a very wide concept that encompasses all the sectors dedicated to health and personal well-being: from hospitals, medical centres, alternative medicine centres, retirement homes, dental clinics... to wellness centres: spas, gyms, beauty centres, massage parlours, hairdressers... and other more industrial sectors such as the pharmaceutical industry, food industry, chemical industry and laboratories...

Psychological aspects are fundamental in spaces dedicated to Health & Care. The lighting plays a key role in transmitting a pleasant and comfortable sensation, a sensation of well-being.

In many areas, the primary function of light is to allow work such as examinations, surgical operations, treatments, manipulations etc. to be carried out. Therefore, the lighting will have maximum functionality.

Light is essential for facilitating the flow of people and complementing the most functional lighting. On top of this, the lighting can also offer an efficient system for signalling visual information.

The light must support the different tasks that are carried out in a hospital and treat each area depending on its needs, considering that some areas must comply with very rigorous standards regarding the protection of luminaires, complying with criteria of unvarying brightness, ensuring good levels of lighting, facilitating the flow between different areas...

Light also has psychological effects on people, therefore the lighting must create a sensation of well-being and comfort for the patients, visitors and personnel, designing a flexible lighting, affected by the area and time of day.





HEALTH & CARE SPACES





HOSPITALS
OPERATING ROOMS
CLINICS, DISPENSARIES, AMBULATORIE
LABORATORIES
PHARMACEUTICAL INDUSTRY
ELECTRONIC INDUSTRY
FOOD INDUSTRY
CHEMICAL INDUSTRY



APPLICATIONS

	AGAT CLEAN CLASS	AGAT CLEAN NO FRAME LED	AGAT CLEAN NO FRAME	AGAT CLEAN NO FRAME CLIP IN	AGAT CLEAN LED	AGAT CLEAN T5	AGAT CLEAN T5 CLIP IN	AGAT CLEAN INOX	AGAT CLEAN T5 REG	AGAT T5 NIGHT	AGAT CLEAN TC-L	AGAT CLEAN POS	AGAT CLEAN EX	LIMPIO CLEAN
Operating rooms			•	•		•	•	•	•		•			•
Rooms in operating theaters area			•	•		•	•	•	•		•			•
Treatment rooms (hospital wards)			•	•		•	•	•	•		•			•
Wards		•	•		•	•	•			•	•	•		•
Bathrooms		•			•	•								
Communication routes and staff rooms		•	•	•	•	•	•			•	•	•		•
Sterilization room		•	•	•	•	•	•	•			•	•	•	•
Psychiatric hospitals		•			•	•	•			•	•	•		•
Laparoscopy			•	•		•	•		•		•	•		
Laser treatment			•	•		•	•		•		•	•		
Nursing homes		•	•	•	•	•	•			•	•	•		•
Clinics, dispensaries, ambulatories		•	•	•	•	•	•				•	•		•
Pharmaceutical industry		•	•	•	•	•	•	•			•	•	•	•
Electronic industry		•	•	•	•	•	•				•	•	•	•
Food industry		•	•	•	•	•	•	•			•	•	•	•
Chemical industry		•	•	•	•	•	•	•			•	•	•	•
Laboratories		•	•	•	•	•	•	•		•	•	•	•	
Public area										•	•	•	•	
Penitentiary premises											•	•	•	



High protection recessed luminaire with frontal maintenance for clean rooms application. It is a versatile, functional luminaire that provides great advantages. It is available with different formats (600x600, 1200x300, and 1200x600), powers and fluxes. As well it has a wide variety of optical diffuser built in synthetic materials and/or glass that allows to comply with the different regulations of application in the industry: food, pharmaceutical, electronics, chemistry, as well as in hospital uses. There are certified versions according to Cleanroom regulations (from ISO1 to ISO9) and for using as medical devices.

Features

Body made of lacquered steel sheet. It built-in last LEDs generation and technical diffusers made of synthetic material and/or glass to comply with the regulation of clean rooms.



Installation

Recessed ceiling installation.

Power

LED 26W, 34W, 42W, 51W, 56W, 68W, 70W, 83W, 111W

Beam

85°, 110°

Colour temperature

4000K neutral white - CRI ≥ 80

Nominal lumen output

LED 26W - 3900 lm, 34W - 5200 lm, 42W - 6600 lm, 51W - 7800 lm, 56W - 8800 lm, 68W - 10400 lm, 70W - 11000lm, 83W - 13200 lm, 111W - 17600 lm

Control gear

Electronic (EL)

IP

IP65

Finishes

White

Supply voltage

220... 230V, 50/60Hz

Installation

Recessed ceiling

Features

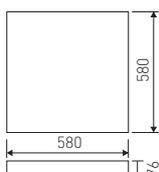


Versions:

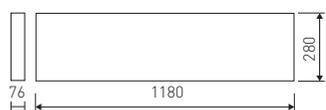
DALI Dimmable versions on demand
 3000K versions on demand
 Different frontal diffusers on demand



LED and control gear included



<p>□</p> <p>26W 3900 lm Microprismatic diffuser with Glass drill 580 x580 4000K AGOK4AL3AAAMPRS</p>	<p>□</p> <p>26W 3900 lm PMMA opal diffuser drill 580 x580 4000K AGOK4AL3AAAPLX</p>	<p>□</p> <p>26W 3900 lm Matt glass diffuser drill 580 x580 4000K AGOK4AL3AAASHM</p>
<p>□</p> <p>34W 5200 lm Microprismatic diffuser with Glass drill 580 x580 4000K AGOK4AL4AAAMPRS</p>	<p>□</p> <p>34W 5200 lm PMMA opal diffuser drill 580 x580 4000K AGOK4AL4AAAPLX</p>	<p>□</p> <p>34W 5200 lm Matt glass diffuser drill 580 x580 4000K AGOK4ALEDAASHM</p>
<p>□</p> <p>42W 6600 lm Microprismatic diffuser with Glass drill 580 x580 4000K AGOK4ALEDCAMPRS</p>	<p>□</p> <p>42W 6600 lm PMMA opal diffuser drill 580 x580 4000K AGOK4AL3BAAPLX</p>	<p>□</p> <p>42W 6600 lm Matt glass diffuser drill 580 x580 4000K AGOK4AL3BAASHM</p>
<p>□</p> <p>56W 8800 lm Microprismatic diffuser with Glass drill 580 x580 4000K AGOK4AL4BAAMPRS</p>	<p>□</p> <p>56W 8800 lm PMMA opal diffuser drill 580 x580 4000K AGOK4AL4BAAPLX</p>	<p>□</p> <p>56W 8800 lm Matt glass diffuser drill 580 x580 4000K AGOK4ALEDBASHM</p>
<p>□</p> <p>70W 11000 lm Microprismatic diffuser with Glass drill 580 x580 4000K AGOK4AL5BAAMPRS</p>	<p>□</p> <p>70W 11000 lm PMMA opal diffuser drill 580 x580 4000K AGOK4AL5BAAPLX</p>	<p>□</p> <p>70W 11000 lm Matt glass diffuser drill 580 x580 4000K AGOK4AL5BAASHM</p>



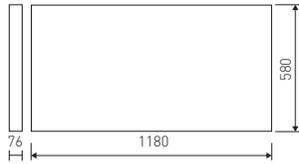
<p>□</p> <p>34W 5200 lm Microprismatic diffuser with Glass drill 1180x280 4000K AGOK4AL4AABMPRS</p>	<p>□</p> <p>34W 5200 lm PMMA opal diffuser drill 1180x280 4000K AGOK4AL4AABPLX</p>	<p>□</p> <p>34W 5200 lm Matt glass diffuser drill 1180x280 4000K AGOK4AL4AABSHM</p>
<p>□</p> <p>56W 8800 lm Microprismatic diffuser with Glass drill 580 x580 4000K AGOK4AL4BABMPRS</p>	<p>□</p> <p>56W 8800 lm PMMA opal diffuser drill 580 x580 4000K AGOK4AL4BABPLX</p>	<p>□</p> <p>56W 8800 lm Matt glass diffuser drill 580 x580 4000K AGOK4AL4BABSHM</p>

Features



Versions:

DALI Dimmable versions on demand
3000K versions on demand
Different frontal diffusers on demand



□
51W
7800 lm
Microprismatic diffuser
with Glass
drill 1180x580
4000K **AG0K4AL6AADMPRS**

□
51W
7800 lm
PMMA opal diffuser
drill 1180x580
4000K **AG0K4AL6AADPLX**

□
51W
7800 lm
Matt glass diffuser
drill 1180x280
4000K **AG0K4AL6AADSHM**

LED and control gear included

68W
10400 lm
Microprismatic diffuser
with Glass
drill 1180 x580
4000K **AG0K4AL8AADMPRS**

68W
10400 lm
PMMA opal diffuser
drill 1180 x580
4000K **AG0K4AL8AADPLX**

68W
10400 lm
Matt glass diffuser
drill 1180 x580
4000K **AG0K4AL8AADSHM**

83W
13200 lm
Microprismatic diffuser
with Glass
drill 1180 x580
4000K **AG0K4AL6BADMPRS**

83W
13200 lm
PMMA opal diffuser
drill 1180 x580
4000K **AG0K4AL6BADPLX**

83W
13200 lm
Matt glass diffuser
drill 1180 x580
4000K **AG0K4AL6BADSHM**

111W
17600 lm
Microprismatic diffuser
with Glass
drill 1180 x580
4000K **AG0K4AL8BADMPRS**

111W
17600 lm
PMMA opal diffuser
drill 1180 x580
4000K **AG0K4AL8BADPLX**

111W
17600 lm
Matt glass diffuser
drill 1180 x580
4000K **AG0K4AL8BADSHM**

Accessories

Installation clamps for gypsum ceilings

AG2MX414LKP1PT5



High protection surface mounted luminaire with frontal maintenance for clean rooms application . It is a versatile, functional luminaire that provides great advantages. It is available with different formats (600x600, 1200x300, and 1200x600), powers and fluxes. As well it has a wide variety of optical diffuser built in synthetic materials and/ or glass that allows to comply with the different regulations of application in the industry: food, pharmaceutical, electronics, chemistry, as well as in hospital uses. There are certified versions according to Cleanroom regulations (from ISO1 to ISO9) and for using as medical devices.

Features

Body made of lacquered steel sheet. It built-in last LEDs generation and technical diffusers made of synthetic material and/or glass to comply with the regulation of clean rooms.

Installation

Ceiling surface mounted.



Power

LED 26W, 34W, 42W, 51W, 56W, 68W, 70W, 83W,111W

Beam

85°, 110°

Colour temperature

4000K neutral white - CRI ≥ 80

Nominal lumen output

LED 26W - 3900 lm, 34W - 5200 lm, 42W - 6600 lm, 51W - 7800 lm, 56W - 8800 lm, 68W - 10400 lm, 70W - 11000 lm, 83W - 13200 lm, 111W - 17600 lm

Control gear

Electronic (EL)

IP

IP65

Finishes

White

Supply voltage

220... 230V, 50/60Hz

Installation

Ceiling surface mounted

Features

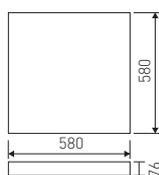


Versions:

DALI Dimmable versions on demand
 3000K versions on demand
 Different frontal diffusers on demand



LED and control gear included



□
 26W
 3900 lm
 Microprismatic diffuser
 with Glass
 4000K **AGOK4RL3AAAMPRS**

□
 34W
 5200 lm
 Microprismatic diffuser
 with Glass
 4000K **AGOK4RL4AAAMPRS**

□
 42W
 6600 lm
 Microprismatic diffuser
 with Glass
 4000K **AGOK4RLEDCAMPRS**

□
 56W
 8800 lm
 Microprismatic diffuser
 with Glass
 4000K **AGOK4RL4BAAMPRS**

□
 70W
 11000 lm
 Microprismatic diffuser
 with Glass
 4000K **AGOK4RL5BAAMPRS**

□
 26W
 3900 lm
 PMMA opal diffuser
 4000K **AGOK4RL3AAAPLX**

□
 34W
 5200 lm
 PMMA opal diffuser
 4000K **AGOK4RL4AAAPLX**

□
 42W
 6600 lm
 PMMA opal diffuser
 4000K **AGOK4RL3BAAPLX**

□
 56W
 8800 lm
 PMMA opal diffuser
 4000K **AGOK4RLEDAAPLX**

□
 70W
 11000 lm
 PMMA opal diffuser
 4000K **AGOK4RL5BAAPLX**

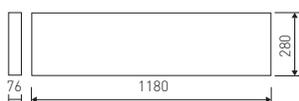
□
 26W
 3900 lm
 Matt glass diffuser
 4000K **AGOK4RL3AAASHM**

□
 34W
 5200 lm
 Matt glass diffuser
 4000K **AGOK4RLEDAASHM**

□
 42W
 6600 lm
 Matt glass diffuser
 4000K **AGOK4RL3BAASHM**

□
 56W
 8800 lm
 Matt glass diffuser
 4000K **AGOK4RLEDAASHM**

□
 70W
 11000 lm
 Matt glass diffuser
 4000K **AGOK4RL5BAASHM**



□
 34W
 5200 lm
 Microprismatic diffuser
 with Glass
 4000K **AGOK4RL4AABMPRS**

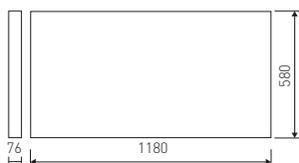
□
 56W
 8800 lm
 Microprismatic diffuser
 with Glass
 4000K **AGOK4RL4BABMPRS**

□
 34W
 5200 lm
 PMMA opal diffuser
 4000K **AGOK4RLEDAABPLX**

□
 56W
 8800 lm
 PMMA opal diffuser
 4000K **AGOK4RLEDAABPLX**

□
 34W
 5200 lm
 Matt glass diffuser
 4000K **AGOK4RLEDAABSHM**

□
 56W
 8800 lm
 Matt glass diffuser
 4000K **AGOK4RLEDAABSHM**



□
 68W
 10400 lm
 Microprismatic diffuser
 with Glass
 4000K **AGOK4RL8AADMPRS**

□
 83W
 13200 lm
 Microprismatic diffuser
 with Glass
 4000K **AGOK4RL6BADMPRS**

□
 111W
 17600 lm
 Microprismatic diffuser
 with Glass
 4000K **AGOK4RL8BADMPRS**

□
 68W
 10400 lm
 PMMA opal diffuser
 4000K **AGOK4RL8AADPLX**

□
 83W
 13200 lm
 PMMA opal diffuser
 4000K **AGOK4RL6BADPLX**

□
 111W
 17600 lm
 PMMA opal diffuser
 4000K **AGOK4RL8BADPLX**

□
 68W
 10400 lm
 Matt glass diffuser
 4000K **AGOK4RL8AADSHM**

□
 83W
 13200 lm
 Matt glass diffuser
 4000K **AGOK4RL6BADSHM**

□
 111W
 17600 lm
 Matt glass diffuser
 4000K **AGOK4RL8BADSHM**

OUT

PROYECTORES p. 274

COLUMNAS p.292

BALIZAMIENTO p.306

EMPOTRADOS p.316

SUPERFICIE p.332

1

PROYECTORES



Ledmotiv
p.276



Canal S
p. 280



Tube
p. 284



Beam
p. 286



Fargo
p. 288



Single
p. 290

Ledmotiv es un completo programa de proyectores para exterior. Una de las cualidades de Ledmotiv es la versatilidad que le otorga su gran variedad de ópticas, permitiendo su instalación en múltiples aplicaciones de exterior o de interior en grandes espacios. La flexibilidad de aplicación se incrementa gracias a la posibilidad de orientar el conjunto óptico.

Características

Cuerpo construido en fundición de aluminio con tratamiento especial para asegurar un excelente comportamiento a la intemperie. Reflectores en aluminio alta pureza. Juntas de silicona, tornillería de acero inoxidable y válvula de descompresión que garantizan un grado de protección IP 65. Cristal de protección templado.

Disponibles 6 ópticas distintas para ser utilizadas según la aplicación: iluminación de zonas ajardinadas, zonas peatonales, áreas residenciales, espacios públicos, fachadas y planos verticales, rótulos y otros elementos publicitarios, patios, terrazas...



Potencias

LED 31,5W, 51W

Ópticas

12°, 24°, 36° / -15°, 15°, 40° asimétrica

T° Color

3000K blanco cálido - CRI ≥ 80

4000K blanco neutro - CRI ≥ 80

Flujo nominal

31,5W - 4600 lm, 51W - 6100 lm

Equipos

Electrónico (EL)

Electrónico regulable DALI (ELDD)

IP - IK

IP65 - IK08

Acabados

Gris (21)

Alimentación

220...240V, 50/60Hz

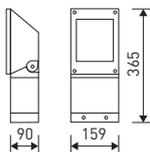
Instalación

Adosado a pared, techo y suelo

Características



LED y equipo incorporados



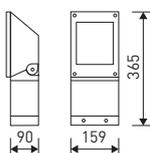
<p>31,5W 12° equipo EL 4600 lm 3000K 11.1673.1311.21 4000K 11.1673.1411.21</p>	<p>31,5W 12° equipo ELDD 4600 lm 3000K 11.1673.1313.21 4000K 11.1673.1413.21</p>
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<p>31,5W 24° equipo EL 4600 lm 3000K 11.1673.1321.21 4000K 11.1673.1421.21</p>	<p>31,5W 24° equipo ELDD 4600 lm 3000K 11.1673.1323.21 4000K 11.1673.1423.21</p>
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<p>31,5W 36° equipo EL 4600 lm 3000K 11.1673.1331.21 4000K 11.1673.1431.21</p>	<p>31,5W 36° equipo ELDD 4600 lm 3000K 11.1673.1333.21 4000K 11.1673.1433.21</p>
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LED y equipo incorporados



<p>31,5W -15° asimétrica equipo EL 4600 lm 3000K 11.1673.1351.21 4000K 11.1673.1451.21</p>	<p>31,5W -15° asimétrica equipo ELDD 4600 lm 3000K 11.1673.1353.21 4000K 11.1673.1453.21</p>
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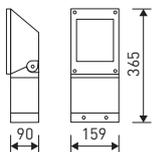
<p>31,5W 15° asimétrica equipo EL 4600 lm 3000K 11.1673.1361.21 4000K 11.1673.1461.21</p>	<p>31,5W 15° asimétrica equipo ELDD 4600 lm 3000K 11.1673.1363.21 4000K 11.1673.1463.21</p>
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<p>31,5W 40° asimétrica equipo EL 4600 lm 3000K 11.1673.1371.21 4000K 11.1673.1471.21</p>	<p>31,5W 40° asimétrica equipo ELDD 4600 lm 3000K 11.1673.1373.21 4000K 11.1673.1473.21</p>
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Características



LED y equipo incorporados



51W
12°
equipo EL
6100 lm
3000K **11.1673.2311.21**
4000K **11.1673.2411.21**

51W
12°
equipo ELDD
6100 lm
3000K **11.1673.2313.21**
4000K **11.1673.2413.21**

51W
24°
equipo EL
6100 lm
3000K **11.1673.2321.21**
4000K **11.1673.2421.21**

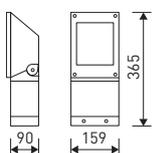
51W
24°
equipo ELDD
6100 lm
3000K **11.1673.2323.21**
4000K **11.1673.2423.21**

51W
36°
equipo EL
6100 lm
3000K **11.1673.2331.21**
4000K **11.1673.2431.21**

51W
36°
equipo ELDD
6100 lm
3000K **11.1673.2333.21**
4000K **11.1673.2433.21**



LED y equipo incorporados



51W
-15° asimétrica
equipo EL
6100 lm
3000K **11.1673.2351.21**
4000K **11.1673.2451.21**

51W
-15° asimétrica
equipo ELDD
6100 lm
3000K **11.1673.2353.21**
4000K **11.1673.2453.21**

51W
15° asimétrica
equipo EL
6100 lm
3000K **11.1673.2361.21**
4000K **11.1673.2461.21**

51W
15° asimétrica
equipo ELDD
6100 lm
3000K **11.1673.2363.21**
4000K **11.1673.2463.21**

51W
40° asimétrica
equipo EL
6100 lm
3000K **11.1673.2371.21**
4000K **11.1673.2471.21**

51W
40° asimétrica
equipo ELDD
6100 lm
3000K **11.1673.2373.21**
4000K **11.1673.2473.21**



Encaje perfecto entre tecnología y diseño, con sofisticación y sencillez. Eficacia, larga vida útil, estabilidad de flujo luminoso e inmediata respuesta de regulación. Concebida expresamente para aplicaciones de alta potencia y eficiencia.



Perfil de aluminio extrusionado y pintado gris plata mate. Tapas laterales de fundición de aluminio con tratamiento especial para asegurar un excelente comportamiento a la intemperie.

Características

Cuerpo fabricado en aluminio inyectado. Incluye Juntas de silicona, tornillería de acero inoxidable, cristal de protección templado y Brazos soporte en fundición de aluminio.

Instalación

Montaje adosado a pared techo o suelo.

Canal S ofrece una infinidad de versiones que brindan libertad de inspiración a los arquitectos y diseñadores de iluminación a la hora de crear escenas en multitud de contextos.

- Bañador de paredes trabajando como proyector, tanto desde el exterior como desde el interior de los edificios.
- Proyector spot gracias a su potencia, en haz medio.
- La luminaria Canal S proyecta luz hasta 45 metros. Este efecto nos permite iluminar y resaltar objetos arquitectónicos de gran altura como columnas, costillas o salientes, dando una nueva dimensión en iluminación, imposible hasta la fecha.
- Edificios luminiscentes. Ideal para utilizarlo entre la fachada y la segunda piel de los edificios, de esta manera se crean enormes edificios de luz, donde la luz sale de dentro de los edificios procurándoles vida en forma de luz y dinamismo.



Potencias

LED 10,3W, 20,7W, 31,5W, 41,4W, 39,6W, 59,4W, 78,3W

Ópticas

LED 25° (otros ópticas bajo pedido)

T° Color

6500K blanco frío - CRI ≥ 80 (otras Tª Color bajo pedido)

Flujo nominal

10,3W - 713 lm, 20,7W - 1427 lm, 31,5W - 2140 lm
41,4W - 2854 lm, 39,6W - 2854 lm, 59,4W - 4282 lm, 78,3W - 5710 lm

Equipos

Electrónico (EL) (otros equipos bajo pedido)

IP - IK

IP66 - IK08

Acabados

Gris

Alimentación

220...240V, 50/60Hz

Instalación

Adosado a pared, techo o suelo.

Características



Posibilidad de realizar otras versiones bajo demanda:

- Regulación DALI y DMX sólo para LD101
- RGB sólo para LD101
- Ópticas de 50°, 90°, elípticas o vías bajo demanda

LED

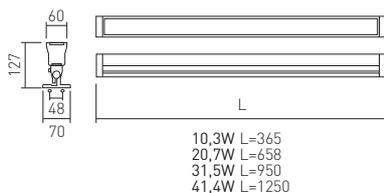


Incluye bisagras para sujeción cenital (2 unidades)

LED y equipo incorporados



10,3W
25°
365mm
713 lm
6500K **LD139503604000**



20,7W
25°
1427 lm
6500K **LD139506504000**

31,5W
25°
2140 lm
6500K **LD139509504000**

41,4W
25°
2854 lm
6500K **LD139512504000**

LED

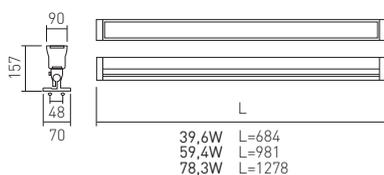


Incluye bisagras para sujeción cenital (2 unidades)

LED y equipo incorporados



39,6W
25°
2854 lm
6500K **LD101506804000**



59,4W
25°
4282 lm
6500K **LD101509804000**

78,3W
25°
5710 lm
6500K **LD101512704000**

Luminaria moderna fabricada con LED de alta eficiencia para conseguir una buena calidad y apariencia estética, ahorro de energía y alto rendimiento. Gracias a la larga vida útil de las fuentes de luz y que no necesita mantenimiento, la luminaria se puede utilizar con éxito en áreas de difícil acceso y en grandes alturas: como locales de producción, almacenes, centros deportivos, aparcamientos, fachadas, edificios industriales ...

Características

Carcasa de aluminio fundido a presión en color negro. El difusor esta hecho de cristal claro endurecido. Montaje sobre una pinza ajustable.



Potencias

50W, 100W, 140W

Ópticas

Narrow (50°), flood (120°), vial

Tº Color

5000K blanco frio - CRI ≥ 70

Flujo nominal

50W - 5400 lm, 100W - 10800 lm, 140W - 15000 lm

Equipos

Electrónico (EL)

IP - IK

IP65, IK08

Acabados

Negro

Alimentación

220... 240V, 50/60Hz

Instalación

Adosado a superficie en pared, techo o suelo

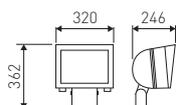
Características



Acabados



LED y equipo incorporados



<p>50W Narrow 5400 lm 5000K AG0D4TLH054N75</p>	<p>50W Flood 5400 lm 5000K AG0D4TLH054F75</p>	<p>50W Vial 5400 lm 5000K AG0D4TLH054SM75</p>
<p>100W Narrow 10800 lm 5000K AG0D4TLH0108N75</p>	<p>100W Flood 10800 lm 5000K AG0D4TLH0108F75</p>	<p>100W Vial 10800 lm 5000K AG0D4TLH0108SM75</p>
<p>140W Narrow 15000 lm 5000K AG0D4TLH0150N75</p>	<p>140W Flood 15000 lm 5000K AG0D4TLH0150F75</p>	<p>140W Vial 15000 lm 5000K AG0D4TLH0150SM75</p>

Beam es un proyector LED diseñado para crear ambientes lumínicos exteriores con el mínimo consumo energético. Soluciones ideales para iluminar zonas ajardinadas, patios, fachadas...

Características

Cuerpo fabricado en fundición de aluminio, pintado gris antracita para ambientes de exterior. Incorpora cristal templado de 4mm, y se suministra con cable de conexión de 1.5mts de longitud. Disponible con ópticas 20° o 40°, en 3000K y 4000K.

Instalación

Se puede instalar directamente adosado a superficies horizontales o verticales, o directamente a suelo en terrenos blandos mediante estoque disponible como accesorio.



Potencias

LED 6W, 12W, 18W, 52W

Ópticas

LED 20°, 45°, 30°

T° Color

3000K blanco cálido - CRI ≥ 80

4000K blanco neutro - CRI ≥ 80

RGB

Flujo nominal

6W - 472 lm / 389 lm

12W - 1014 lm / 846 lm

18W - 1960 lm / 1628 lm

52W - 1483 lm

Equipos

Electrónico (EL)

IP - IK

IP65, IK08

Acabados

Gris antracita [22]

Alimentación

220... 240V, 50/60Hz / 24V RGB

Instalación

Superficies horizontales o verticales

Accesorios

Estoque de instalación en tierra

Elementos de control RGB

Características



LED

6W	20°	472 lm	3000K 11.1606.1831.22	4000K 11.1606.1841.22
6W	45°	389 lm	3000K 11.1606.1832.22	4000K 11.1606.1842.22

LED y equipo incorporados

LED

12W	20°	1014 lm	3000K 11.1606.2831.22	4000K 11.1606.2841.22
12W	45°	846 lm	3000K 11.1606.2832.22	4000K 11.1606.2842.22

LED y equipo incorporados

LED

18W	20°	1960 lm	3000K 11.1606.3831.22	4000K 11.1606.3841.22
18W	45°	1628 lm	3000K 11.1606.3832.22	4000K 11.1606.3842.22

LED y equipo incorporados

LED

52W	30°	1483 lm	24V	RGB 11.1606.4881.22
-----	-----	---------	-----	----------------------------

LED incorporado

Accesorios

Estoque

Estoque en poliamida
L=210 mm
Para 6W
11.1606.0001.22

Estoque en poliamida
L=308 mm
Para 12W/18W
11.1606.0002.22

Controlador regulable RGBW, RGB y TW Master **11.1655.0001.00**

Esclavo **11.1655.0004.00**

Controlador empotrable táctil RGB y RGBW **11.1655.0002.00**

Mando controlador RGB y RGBW **11.1655.0003.00**

Fuente de tensión 24V. 60W **11.1801.7011.00**

Fargo es un proyector LED industrial para aplicaciones interiores o exteriores adecuado para áreas de difícil acceso, fachadas, vallas, tejados...

Los materiales constructivos son resistentes a la intemperie y actos de vandalismo.

Características

Cuerpo en aluminio inyectado, frontal de cristal. Instalación adosada a paredes, techos o superficies planas.



SIN sensor



CON sensor



Potencias

LED 9,2W, 25W, 44,2W, 93W, 134W, 180W

Ópticas

100°, 110°, 115°

T° Color

4000K blanco neutro - CRI ≥ 80

Flujo nominal

9,2W - 1269 lm, 25W - 3292 lm, 44,2W - 5140 lm, 93W - 11800 lm, 134W - 16800 lm, 180W - 24600 lm

Equipos

Electrónico (EL)

IP - IK

IP65 - IK08

Acabados

Negro (04)

Alimentación

100...240V, 50/60 HZ

Instalación

Suelo, paredes, techos y postes

Características



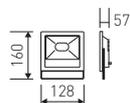
Acabados



LED

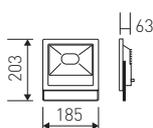


LED y equipo incorporados



9,2W
100°
1269 lm
4000K **11.5100.1401.04**

9,2W
100°
1269 lm
CON SENSOR -IP44
4000K **11.5100.1409.04**



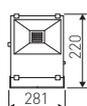
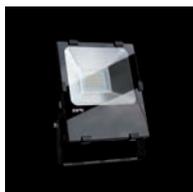
25W
100°
3292 lm
4000K **11.5100.3401.04**

25W
100°
3292 lm
CON SENSOR -IP44
4000K **11.5100.3409.04**

LED



LED y equipo incorporados

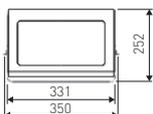


44,2W
110°
5140 lm
4000K **11.5100.4401.04**

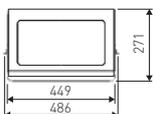
LED



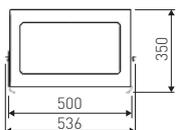
LED y equipo incorporados



93W
115°
11800 lm
4000K **11.5100.5401.04**



134W
115°
16800 lm
4000K **11.5100.6401.04**



180W
115°
24600 lm
4000K **11.5100.7401.04**

Single es un proyector LED retrofit de pequeñas dimensiones. Adecuado para la iluminación localizada, un buen aliado para la iluminación de jardines, balcones, columnas y fachadas en proyectos residenciales y hoteleros.

Características

Cuerpo fabricado en fundición de aluminio, pintado gris antracita para ambientes de exterior. Incorpora cristal templado de 3mm, cubierta superior de acero inoxidable y se suministra con cable de conexión de 1.5mts de longitud. Para lámpara GU10 (lámpara no incorporada).

Instalación

Se puede instalar directamente a suelo en terrenos blandos mediante estoque. Estoque incorporado. Puede instalarse sumergido en fuentes (68)



Potencias

GU10 Max. 35W

IP

IP68 - IK04

Acabados

Antracita [22]

Alimentación

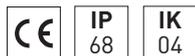
220... 240V, 50/60Hz

Instalación

Suelo, paredes o postes.

Posible instalación sumergido (IP68)

Características

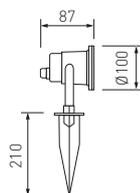


Precisa equipo

LED GU10

Estoque incorporado

Para lámpara LED retrofit

Max. 35W
11.0779.0001.22

OUT

PROYECTORES p.274

COLUMNAS p.292

BALIZAMIENTO p.306

EMPOTRADOS p.316

SUPERFICIE p.332

2 COLUMNS



Riddle
p. 294



Streetpark
p. 298



Kubik Pole L
p. 300



Kubik Pole T
p. 300



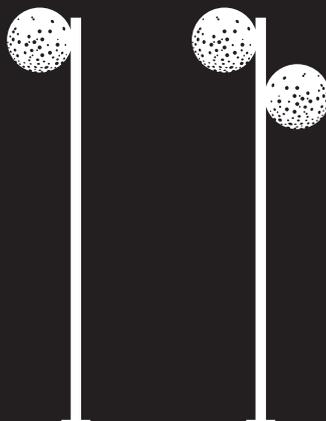
Filar
p. 302



Pareo
p. 304

Como si se tratara de la luz solar filtrada por la propia vegetación, así surge el concepto Riddle. Luces y sombras son los efectos conseguidos con estas luminarias esféricas para iluminación exterior urbana o privada.

Su diseño formal esférico con perforaciones le confiere un carácter peculiar diferenciado del resto de luminarias existentes. Su forma escultórica enriquece el paisaje de día y lo envuelve de misterio durante la noche.





Luminarias de gran diseño formal con una distribución lumínica minimalista y llamativa al tiempo que ofrecen niveles de luz funcionales y distintivos.

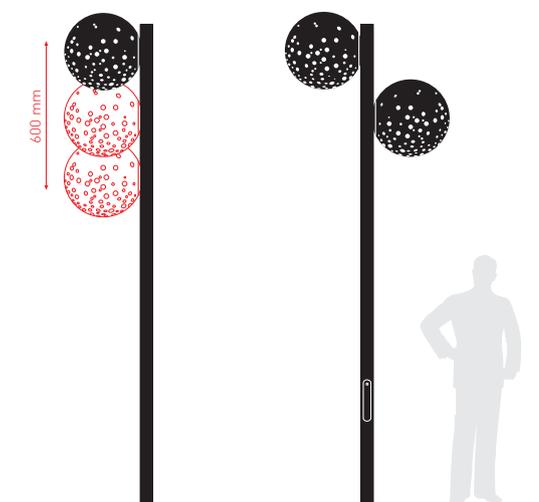
Características

Construidas en fundición de aluminio posteriormente mecanizado y anodizado en color gris plata. Incorporan fuentes LED de última generación y equipos electrónicos de larga vida.

Columnas

Están incorporadas en las referencias 6601/150 y 6602/300, formando un conjunto con las luminarias. De formato cilíndrico, están construidas en chapa de acero galvanizada. Disponen de portezuela de registro. En la zona superior existen canales que permiten modificar la altura de montaje de la luminaria en una franja de 600 mm.

Con ello se ofrece la posibilidad de presentar una instalación con diferentes puntos de luz de forma planificadamente irregular y así, enfatizar el concepto escultórico del resultado.



Potencias

LED 75W, 2x75W

Ópticas

120°

T° Color

3000K blanco cálido - CRI ≥ 80

4000K blanco neutro - CRI ≥ 80

Flujo nominal

LED 75W - 10000 lm

Equipos

Electrónico (EL)

IP -IK

IP65 - IK10

Acabados

Gris (21)

Alimentación

220... 240V, 50/60Hz

Instalación

Suelo

Características



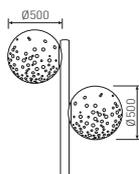
Luminarias de aluminio inyectado. Las referencias incorporan columna cilíndrica de 3,5 m. de altura galvanizada y pintada.

LED



75W
120°
10000 lm
peso de la luminaria 15,6 kg. (sin columna)
3000K **11.6601.2083.21**
4000K **11.6601.2084.21**

Fuentes Led y equipo incorporados



2x75W
120°
2 x10000 lm
peso de 2 luminarias 31,3 kg. (sin columna)
3000K **11.6602.2083.21**
4000K **11.6602.2084.21**

Fuentes Led y equipo incorporados



Streetpark pertenece a una nueva generación de luminarias de alumbrado público. Diseñada con una alta eficiencia lumínica a partir del uso de LEDs y con un conjunto óptico que asegura a la vez un gran confort visual.

Eficiencia energética

El ahorro energético de Streetpark es de más del 30% respecto a la iluminación pública convencional. Una reducción del consumo energético se traduce en menos emisiones de los gases con efecto invernadero.

Además, Streetpark es doblemente eficiente gracias a los equipos empleados, diseñados a medida, para asegurar el cumplimiento de alta eficiencia energética (90-95% según carga) y su regulación que permite variar los niveles de intensidad.

Excelente rendimiento

Streetpark ofrece buenos resultados fotométricos, con un excelente confort visual y un elevado nivel de uniformidad lumínica. Streetpark incorpora un sistema óptico para maximizar el flujo luminoso. Este sistema permite que el conjunto óptico sea configurable, con la posibilidad de direccionar la luz para conseguir una distribución simétrica o asimétrica y ofrecer varias opciones según aplicación.

Diseño

El diseño de Streetpark permite su perfecta integración en el entorno, asegura una ausencia total de emisión de flujo al hemisferio superior (FHS) y contribuye a la reducción de los costes de mantenimiento.



Potencias

LED 36W, 52W, 71W, 104W, 135W

Ópticas

narrow (50°), flood (120°), vial

T° Color

5000K blanco frío - CRI ≥ 70

Flujo nominal

36W - 5000 lm, 52W - 7500 lm, 71W - 10000 lm,
104W - 15000 lm, 135W - 19000 lm

Equipos

Electrónico (EL)

IP - IK

IP66, IK09

Acabados

Gris

Alimentación

220... 230V, 50/60Hz

Instalación

En columna Ø60mm

Características



Acabados



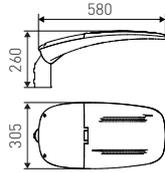
Versiones:

Versiones en 3000K y 4000K bajo demanda

LED



LED y equipo incorporados



36W
5000 lm
5000K
Narrow **AG050SPNHE39N759**
Flood **AG050SPNHE39F759**
Vial **AG050SPNHE39SM759**

52W
7500 lm
5000K
Narrow **AG050SPNH054N759**
Flood **AG050SPNH054F759**
Vial **AG050SPNH054SM759**

71W
10000 lm
5000K
Narrow **AG050SPNHE78N759**
Flood **AG050SPNHE78F759**
Vial **AG050SPNHE78SM759**

104W
15000 lm
5000K
Narrow **AG050SPNH0108N759**
Flood **AG050SPNH0108F759**
Vial **AG050SPNH0108SM759**

135W
19000 lm
5000K
Narrow **AG050SPNH0141N759**
Flood **AG050SPNH0141F759**



Luminaria exterior equipada con fuentes LED de alta eficiencia de última generación. El sistema está diseñado y optimizado para la iluminación de calles, parques, jardines... etc. Kubik Pole ofrece un rendimiento óptimo con una distribución de iluminación uniforme. Fácil instalación sin necesidad de herramientas y fácil mantenimiento.

Características

Carcasa estética de aluminio extruido resistente a la corrosión y disposición especial de los postes.

Las luminarias de hasta 6 m de altura pueden usarse de manera segura en la primera y tercera zonas de viento (según PN-EN 1991-1-4) y en las categorías de terreno tercera y cuarta (según PN-EN 40-3-1 : 2004). La zona de viento II y otras categorías de terreno requieren una evaluación individual de la aplicación.



Potencias

LED Kubik Pole L: 36W, 52W, 71W, 104W

LED Kubik Pole T: 75W, 104W, 142W, 208W

Óptica

Narrow (50°), flood (120°) vial

T° Color

5000K blanco frío - CRI ≥ 70

Flujo nominal

Kubik Pole L: 36W - 5000 lm, 52W - 7500 lm, 71W - 10000 lm,
104W - 15000 lm

Kubik Pole T: 75W - 10000 lm, 104W - 15000 lm, 142W - 20000 lm,
208W - 30000 lm

Equipos

Electrónico (EL)

IP

IP65

Acabados

Negro

Alimentación

220... 230V, 50/60Hz

Instalación

Suelo

Accesorio

Base de instalación

Características



Acabados



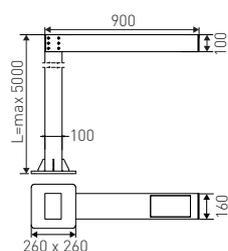
Versiones:

Versiones en 3000K y 4000K bajo demanda

Kubik pole L



LED y equipo incorporados



36W
Óptica Vial
5000 lm
5000K
3m **AG0C4K3L50SM047579**

36W
Óptica Vial
5000 lm
5000K
4m **AG0C4K4L50SM047579**

36W
Óptica Vial
5000 lm
5000K
5m **AG0C4K5L50SM047579**

54W
Óptica Vial
7500 lm
5000K
3m **AG0C4K3L75SM047579**

54W
Óptica Vial
7500 lm
5000K
4m **AG0C4K4L75SM047579**

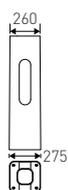
54W
Óptica Vial
7500 lm
5000K
5m **AG0C4K5L75SM047579**

71W
Óptica Vial
10000 lm
5000K
3m **AG0C4K3L100SM047579**

71W
Óptica Vial
10000 lm
5000K
4m **AG0C4K4L100SM047579**

71W
Óptica Vial
10000 lm
5000K
5m **AG0C4K5L100SM047579**

Accesorios



Base de instalación
17ROFU311151

104W
Óptica Vial
15000 lm
5000K
3m **AG0C4K3L150SM047579**

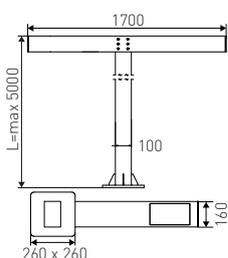
104W
Óptica Vial
15000 lm
5000K
4m **AG0C4K4L150SM047579**

104W
Óptica Vial
15000 lm
5000K
5m **AG0C4K5L150SM047579**

Kubik pole T



LED y equipo incorporados



75W
Óptica Vial
10000 lm
5000K
3m **AG0C4K3T100SM047579**

75W
Óptica Vial
10000 lm
5000K
4m **AG0C4K4T100SM047579**

75W
Óptica Vial
10000 lm
5000K
5m **AG0C4K5T100SM047579**

104W
Óptica Vial
15000 lm
5000K
3m **AG0C4K3T150SM047579**

104W
Óptica Vial
15000 lm
5000K
4m **AG0C4K4T150SM047579**

104W
Óptica Vial
15000 lm
5000K
5m **AG0C4K5T150SM047579**

142W
Óptica Vial
20000 lm
5000K
3m **AG0C4K3T200SM047579**

142W
Óptica Vial
20000 lm
5000K
4m **AG0C4K4T200SM047579**

142W
Óptica Vial
20000 lm
5000K
5m **AG0C4K5T200SM047579**

Accesorios



Base de instalación
17ROFU311151

208W
Óptica Vial
30000 lm
5000K
3m **AG0C4K3T300SM047579**

208W
Óptica Vial
30000 lm
5000K
4m **AG0C4K4T300SM047579**

208W
Óptica Vial
30000 lm
5000K
5m **AG0C5K3T300SM047579**

Luminarias arquitecturales diseñadas para espacios exteriores como parques, plazas, zonas ajardinadas, edificios corporativos, espacios abiertos delante de cines, teatros, hoteles y muchos espacios en entornos urbanos.

Características

Cuerpo realizado en aluminio y tubo difusor. Panel LED de alta eficiencia 3000lm (4000K) o 5000 lm (5000 K). Equipo electrónico integrado en la luminaria.



Potencias

LED 26W, 39W

Óptica

360°

T° Color

4000K blanco neutro - CRI ≥ 85

5000K blanco frío - CRI ≥ 75

Flujo nominal

25W - 3000 lm, 37W - 5000 lm

Equipos

Electrónico (EL)

IP

IP65

Acabados

Negro

Alimentación

220... 230V, 50/60Hz

Instalación

Suelo

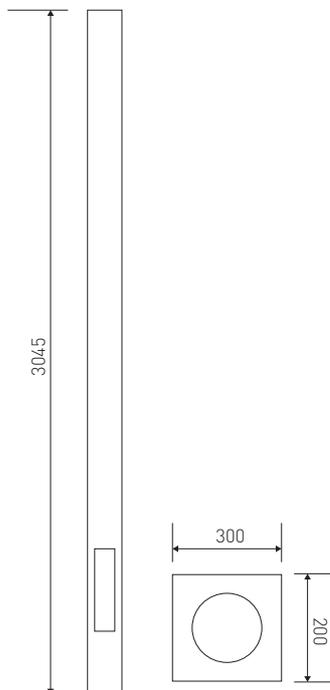
Características



LED

360°

LED y equipo incorporados



25W
360°
3000 lm
4000K **AGOL1SL30APCY**

37W
360°
5000 lm
5000K **AGOL1SL50WPCY**

Luminaria funcional para exteriores con una estética neutra que permite su integración en el entorno de forma fácil. Pareo está equipada con fuentes LED de alta eficiencia y está especialmente diseñada para su uso en plazas, parques y jardines, así como en zonas peatonales de las ciudades.

Características

Cuerpo fabricado en aluminio fundido con difusor translúcido hecho de policarbonato altamente resistente a factores mecánicos (IK09). La cubierta exterior proporciona un alto nivel de resistencia ante las condiciones atmosféricas (IP54).

Instalación

Instalación en columna. Diámetro de montaje 60 mm.



Potencias

LED 16W, 22.5W, 33W

Óptica

160°

T° Color

4000K blanco neutro - CRI ≥ 80

Flujo nominal

16W - 3000 lm, 22,5W - 4000 lm, 33W - 6000 lm

Equipos

Electrónico (EL)

IP / IK

IP54 / IK09

Acabados

Negro

Alimentación

220... 230V, 50/60Hz

Instalación

En poste con un cabezal de Ø 60 mm

Características



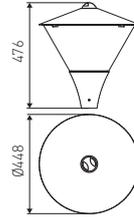
Acabados



LED



LED y equipo incorporados



■
16W
160°
3000 lm
4000K **AG019PNLED302104**

22.5W
160°
4000 lm
4000K **AG019PNLED402104**

33W
160°
6000 lm
4000K **AG019PNLED602104**

OUT

SPOTLIGHTS p. 274

POLES p. 292

BOLLARDS p. 306

RECESSED p. 316

SURFACE p. 332

3 BOLLARDS



Riddle
p.308



Plolar
p. 310



Mark
p.312



Kubik Pole 4D
p.314



Kubik Pole Soft
p.314

Like sunlight filtering through leaves that is the concept behind Riddle. These spherical fixtures create a light and shadow effect to light outdoor urban or private areas. The spherical, perforated design sets it apart from other fixtures on the market. By day, its sculptured lines add to the surroundings while they shroud them in mystery at night.

Features

500 mm. diameter

Built from high quality cast aluminium, and then machined and anodised in silver grey. Integrated electronic ballast for metal HIT 70W halide lamps.

250 mm. diameter

Injection moulding polycarbonate, then machined and anodised in silver grey.



Power

LED 9,5W, 54W

Colour temperature

3000K warm white - CRI \geq 80

4000K neutral white - CRI \geq 80

Nominal lumen output

9,5W - 960 lm, 54W - 8400 lm

Control gear

Electronic (EL)

IP - IK

IP65, IK08

Finishes

Grey [21]

Supply voltage

220... 240V, 50/60Hz

Installation

As floor-mounted signalling fixture

Features



Finishes



Versiones:

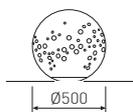
Other finished colour on demand

LED



9,5W
960 lm
Ø250 mm
3000K **11.6603.1083.21**
4000K **11.6603.1084.21**

LED and control gear included



54W
8400 lm
Ø500 mm
3000K **11.6600.2083.21**
4000K **11.6600.2084.21**



Spain

Polar is a LED bollard designed for signalling outdoor pedestrian areas. A solution for horizontal lighting that distributes light generously and in a pleasant way, without emission in the upper hemisphere, thus avoiding light pollution.

Features

Columns built in extruded aluminium, painted for the outdoors, high-purity aluminium reflector, with frosted polycarbonate diffuser, LED and equipment incorporated.



Power

LED 8W

Beam

100°

Colour temperature

3000K warm white - CRI \geq 80
4000K neutral white - CRI \geq 80

Nominal lumen output

8W - 800 lm

Control gear

Electronic (EL)

IP - IK

IP65, IK08

Finishes

Anthracite (22)

Supply voltage

100... 240V, 50/60Hz

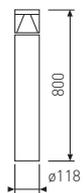
Installation

Floor

Features



LED and control gear included



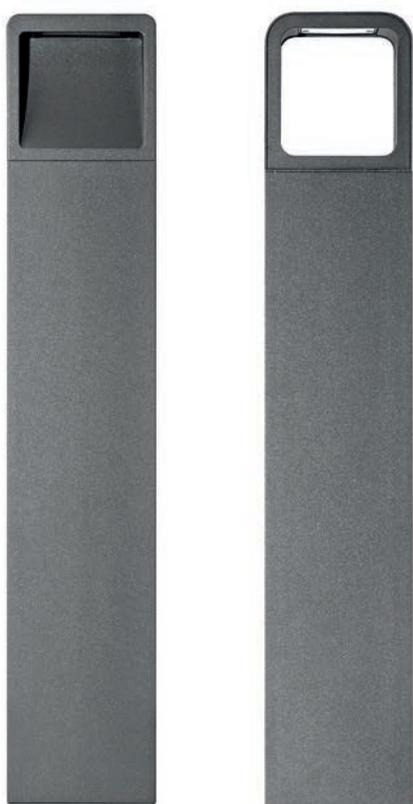
8W
100°
800 lm
3000K **11.7600.0033.22**
4000K **11.7600.0043.22**



LED solutions designed to signal gardens and pedestrian areas, with a design that embellishes and delimits the outdoor spaces.

Features

Columns built in extruded aluminium, painted for the outdoors, LED and system incorporated.



Power

LED 5,4W, 6,3W

Beam

150° - bañador

Colour temperature

3000K warm white - CRI \geq 80
4000K neutral white - CRI \geq 80

Nominal lumen output

5,4W - 265 lm, 6,3W - 254 lm

Control gear

Electronic (EL)

IP

IP54

Finishes

Anthracite (22)

Supply voltage

220... 240V, 50/60Hz

Installation

Floor

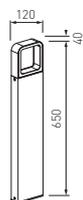
Features



LED



LED and control gear included

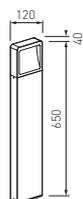


5,4W
265 lm
3000K **11.7600.0032.22**
4000K **11.7600.0042.22**

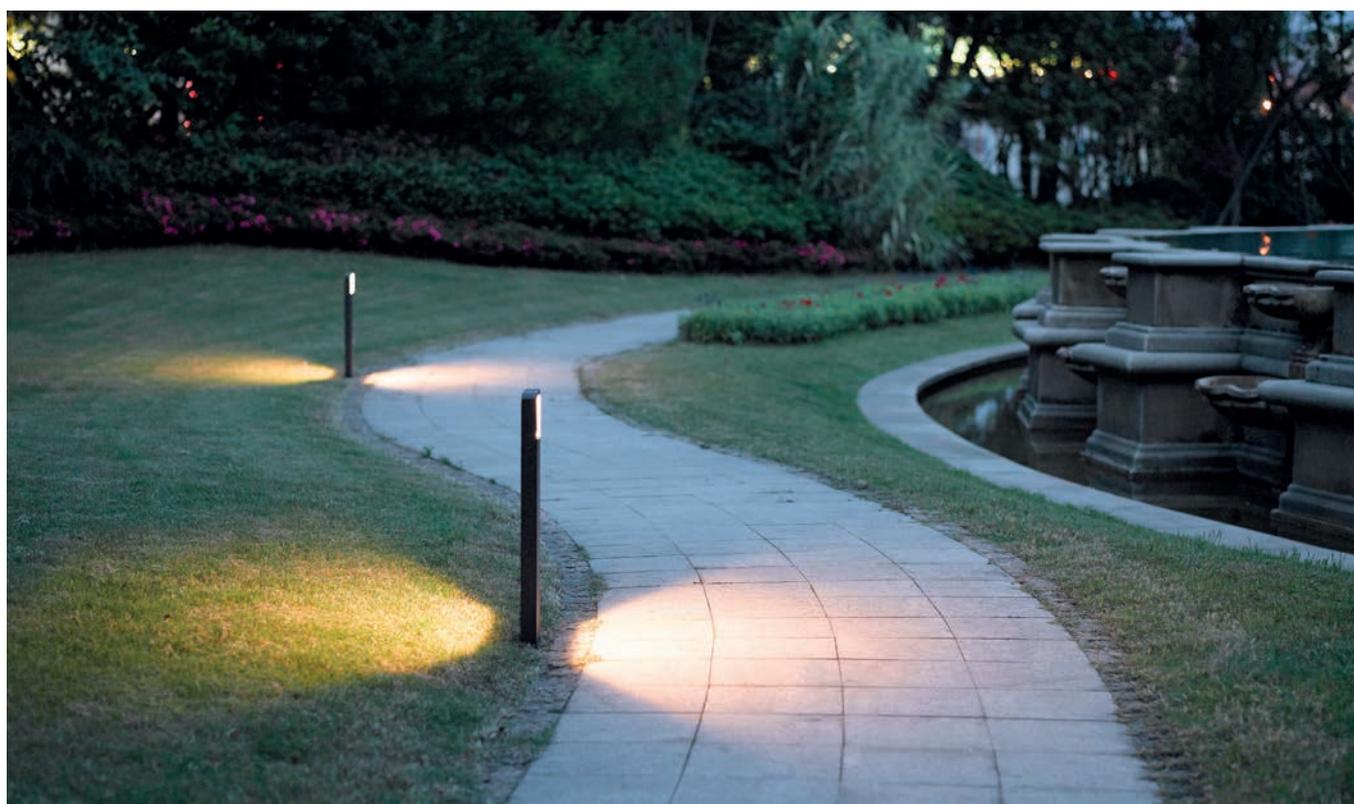
LED



LED and control gear included



6,3W
254 lm
3000K **11.7600.0031.22**
4000K **11.7600.0041.22**



The illumination of roads, sidewalks and passageways in outdoor spaces serves as a guide for the spectator, but it must also be integrated into the natural environment in which it is located. The balance between functionality and mimicry with the environment is fundamental for good landscape lighting.

Features

Kubik pole is made of black painted aluminium and mounts high efficiency hermetic LED modules that minimize consumption.

Kubik Pole 4D has an open design on the 4 sides of the luminaire that accentuates the lightness and allows a better integration into the landscape minimizing

Kubik Pole Soft offers illuminated versions on one side or on the 4 labalized faces that allow to direct the lighting where it is needed, minimizing the light pollution in the open spaces.

Installation

Surface mount on floor with specially designed foundations. Precise accessories 2TJ5782-3 or 2TJ5782-4



Power

Kubik Pole 4D: LED 18W, 37W, 58W

Kubik Pole Soft: LED 28W

Colour temperature

4000K cold white - CRI ≥ 80

Control gear

Electronic (EL)

IP - IK

IP65, IK08

Finishes

Dark Grey

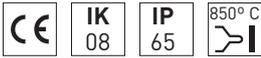
Supply voltage

220... 240V, 50/60Hz

Installation

As floor-mounted signalling fixture with specially designed foundations. Precises accessories 2TJ5782-3 or 2TJ5782-4

Features



Finishes

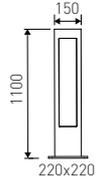


Kubik Pole 4D

LED



LED and Control gear included



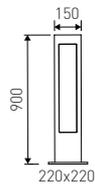
■
18W
120°
2000 lm
4000K **AG0C4K4D11L20SMG849**

■
36W
120°
3900 lm
4000K **OC4K4D11L39SMG849**

Kubik Pole Soft

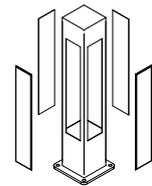
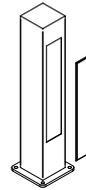
LED

LED and Control gear included



■
25W
1 cara
3000 lm
4000K **AG0C4K91S30A**

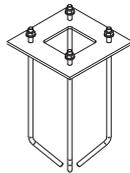
■
25W
4 caras
3000 lm
4000K **AG0C4K94S30A**



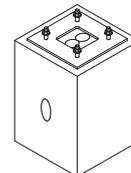
Accessories

Anchors for concrete installation

AG2TJ5782-3



AG2TJ5782-4



OUT

SPOTLIGHTS p. 274

POLES p. 292

BOLLARDS p. 306

RECESSED p. 316

SURFACE p. 332

4

RECESSED



Mini-up
p. 318



Small-up
p. 320



Atlante
p. 322



Canal
p. 324



e-Wall
p. 328



Num
p. 330

Mini-up is a full program of small recessed lights with LED in various colours, that provides low level perimeter illumination for safe orientation as step or exit signing, etc. Available in round and square shapes, Mini-up is most suitable on walkways areas and has a variety of uses.

Features

Recessed luminaire with injected aluminium body, painted with protection for the outdoors. Stainless steel front in two versions, round and square. Tempered 5mm thick glass. It holds a weight of 780Kg. It is supplied with PVC niche. 20-degree opening angle. It is supplied with a 0.5mts connection cable.

IP68 version available, suitable for dived installations. Built-in gear, except for dived versions.



Edificio Torrero y Plaza Monzón, España

Power

LED 3W

Beam

20°

Colour temperature

3000K warm white - CRI ≥ 80

4000K neutral white - CRI ≥ 80

Nominal lumen output

2,6W - 139 / 174 lm, 3W - 120 / 139 lm

Control gear

Electrónico (EL)

IP - IK

IP67, IP68, IK06, IK09

Finishes

Inox [20]

Supply voltage

220... 240V, 50/60Hz

24VDC (dived version)

Installation

Floor recessed

Features



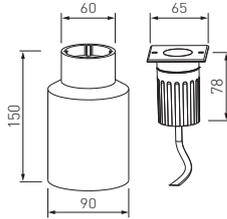
Housing included

LED

IP 67 IK 08 20°

Resistance 780Kg

LED and control gear included



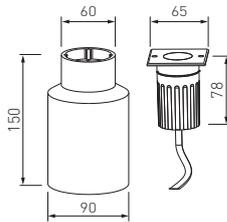
3W
20°
drill Ø 90
120 lm - 3000K **11.5200.0031.20**
139 lm - 4000K **11.5200.0041.20**

LED

IP 67 IK 08 20°

Resistance 780Kg

LED and control gear included

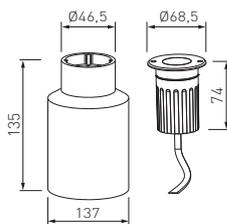
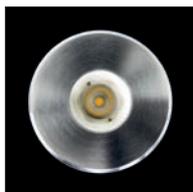


3W
20°
drill Ø 90
120 lm - 3000K **11.5200.0032.20**
139 lm - 4000K **11.5200.0042.20**

LED

IP 68 IK 06 20°

LED and control gear included



2,6W
20°
drill Ø 136
139 lm - 3000K **11.5200.0033.20**
174 lm - 4000K **11.5200.0043.20**



Small-Up is a set of recessed LED with an outer ring of stainless steel designed for floorings. Can be installed both outdoors and indoors. Its function is to illuminate and signal passageways.

Features

Body made of die-cast aluminium with stainless steel front. 8mm tempered glass protection screen. The adjustable version holds loads up to 780Kg and up to 2.500Kg in case of the fixed version. Versions for grazing lighting in one, two or four openings, with capacity to hold up to 2.000Kg.

It is supplied with a 0.5mts connection cable. It is supplied with PVC niche. LED and equipment incorporated.

The adjustable version has an outdoor gobo for adjustment.



Iberostar Hotel, Mexico

Power

LED 3W - 6W

Beam

20° - 1 Beam - 2 Beams - 4 Beams

Colour temperature

3000K warm white - CRI \geq 80

4000K neutral white - CRI \geq 80

Nominal lumen output

6W - 376 / 478 lm

Control gear

Electronic (EL)

IP - IK

IP67, IK09, IK10

Finishes

Inox [20]

Supply voltage

220... 240V, 50/60Hz

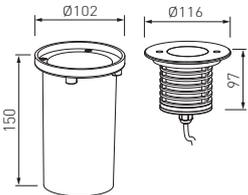
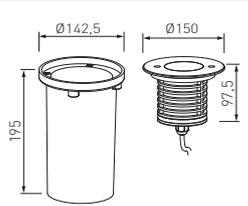
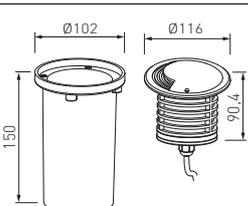
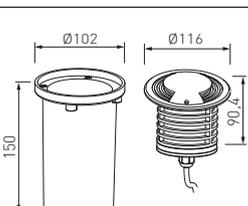
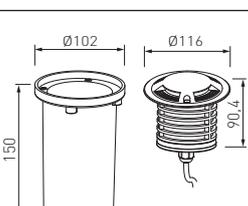
Installation

Floor recessed

Features



Housing included

<p>LED</p> <p>IK 09 </p> <p>Fixed Resistance 2.500Kg</p> <p>LED and control gear included</p>			<p>6W 20° 376 lm - 3000K 11.5202.0031.20 478 lm - 4000K 11.5202.0041.20</p>
<p>LED</p> <p>IK 09 </p> <p>Orientable 30° Resistance 780Kg</p> <p>LED and control gear included</p>			<p>6W 20° 376 lm - 3000K 11.5202.0032.20 478 lm - 4000K 11.5202.0042.20</p>
<p>LED</p> <p>IK 10 </p> <p>Resistance 2.000Kg</p> <p>LED and control gear included</p>			<p>3W 1 beam 376 lm - 3000K 11.5180.0031.22 478 lm - 4000K 11.5180.0041.22</p>
<p>LED</p> <p>IK 10 </p> <p>Resistance 2.000Kg</p> <p>LED and control gear included</p>			<p>3W 2 beams 376 lm - 3000K 11.5180.0032.22 478 lm - 4000K 11.5180.0042.22</p>
<p>LED</p> <p>IK 10 </p> <p>Resistance 2.000Kg</p> <p>LED and control gear included</p>			<p>3W 4 beams 376 lm - 3000K 11.5180.0033.22 478 lm - 4000K 11.5180.0043.22</p>



Atlante is a range of recessed LED luminaires designed for medium sized indirect illumination of facades, trees or objects of small to medium sizes.

Features

Body made of die-cast aluminium with stainless steel front. 10mm tempered glass protection screen. It holds loads over 2900Kg. It is supplied with a 0.5mts connection cable. It is supplied with PVC niche. LED COB and equipment incorporated; with 38-degree lens reflector.



Iberostar Hotel, Mexico

Power

LED 13W, 16W, 25W

Beam

12°

T° Color

3000K warm white - CRI ≥ 80

4000K neutral white - CRI ≥ 80

Flujo nominal

13W - 1715 lm, 16W - 2194 lm, 25W - 3439 lm

Control gear

Electronic (EL)

IP - IK

IP67, IK10

Finishes

Inox [20]

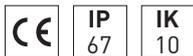
Supply voltage

220... 240V, 50/60Hz

Installation

Floor recessed

Features



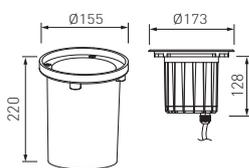
Housing included

LED

12°

Resistance 4.400Kg

LED and control gear included



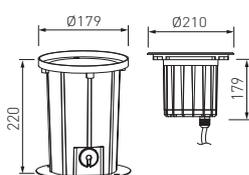
13W
10°
1715 lm
3000K **11.5203.0031.20**
4000K **11.5203.0041.20**

LED

12°

Resistance 2.900Kg

LED and control gear included



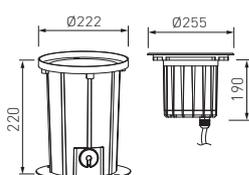
16W
10°
2194 lm
3000K **11.5203.0032.20**
4000K **11.5203.0042.20**

LED

12°

Resistance 5.000Kg

LED and control gear included



25W
10°
3439 lm
3000K **11.5203.0033.20**
4000K **11.5203.0043.20**



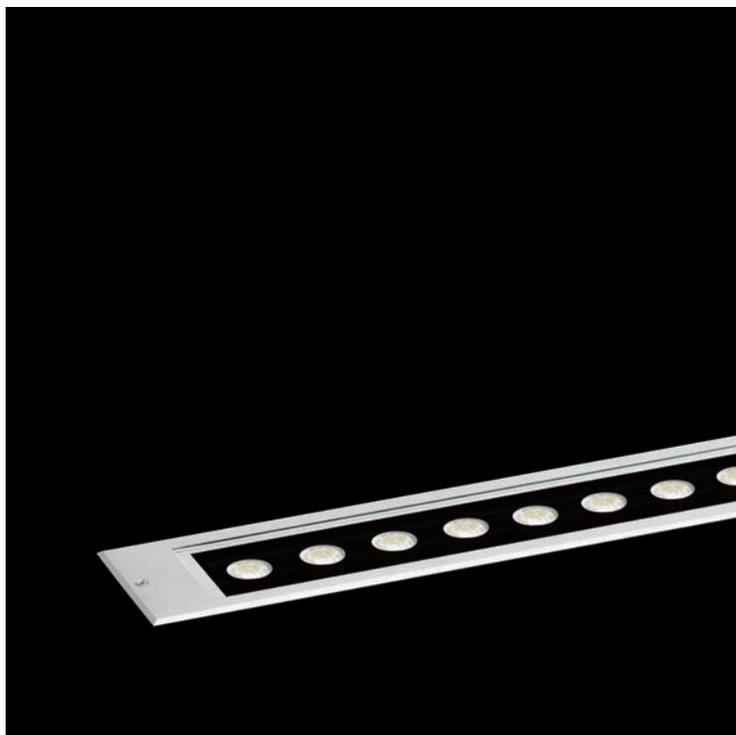
The perfect blend of technology and design, with sophistication and simplicity. Efficiency, long lifespan, stable light flow and immediate regulation response. Specifically created for high voltage and high efficiency applications.



The Canal range of LED linear fixtures can be recessed into any surface indoors or outdoors, also into paving. Canal is an excellent solution to provide nearby surfaces with a wash of light, in colour if required.

Features

Body made of extruded aluminium. Luminaire set a protection transparent glass diffuser.



Grand Hyatt Cairo, Egypt

Power

LED 9W, 18W, 27W

Beam

LED 8°, 60°, 15° x 90°

Colour temperature

3000K warm white - CRI ≥ 80
4000K neutral white - CRI ≥ 80

Nominal lumen output

LED 9W - 500 lm, 18W - 1000 lm, 27W - 1500 lm

Control gear

Electronic (EL)

IP

IP67 - IK08

Finishes

Inox

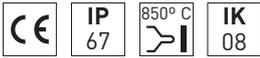
Supply voltage

220... 240V, 50/60Hz

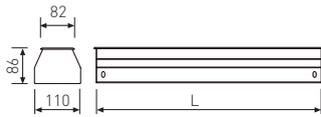
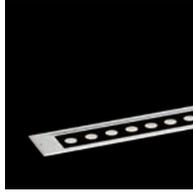
Installation

Floor recessed

Features



LED and control gear included



9W L= 402
 18W L= 699
 27W L= 996

<p>9W 8° 500 lm 3000K 11.1693.1831.20 4000K 11.1693.1841.20</p>	<p>9W 60° 500 lm 3000K 11.1693.1832.20 4000K 11.1693.1842.20</p>	<p>9W 15° x 90° 500 lm 3000K 11.1693.1833.20 4000K 11.1693.1843.20</p>
<p>18W 8° 1000 lm 3000K 11.1693.2831.20 4000K 11.1693.2841.20</p>	<p>18W 60° 1000 lm 3000K 11.1693.2832.20 4000K 11.1693.2842.20</p>	<p>18W 15° x 90° 1000 lm 3000K 11.1693.2833.20 4000K 11.1693.2843.20</p>
<p>27W 8° 1500 lm 3000K 11.1693.3831.20 4000K 11.1693.3841.20</p>	<p>27W 60° 1500 lm 3000K 11.1693.3832.20 4000K 11.1693.3842.20</p>	<p>27W 15° x 90° 1500 lm 3000K 11.1693.3833.20 4000K 11.1693.3843.20</p>

e-Wall is a range of recessed LED for walls to provide grazing lighting and beaconing both for outdoors and indoors.

Available in different shapes, finishes and sizes.

Features

Outdoor recessed luminaire with stainless steel front and aluminium body. Opal polycarbonate diffuser. Available in versions with slats or diffuser. LEDs and equipment incorporated. It is supplied with a 0.5m connection cable.



Power

LED 1W, 6,5W

Beam

80°, 120°

Colour temperature

3000K warm white - CRI \geq 80

4000K neutral white - CRI \geq 80

Nominal lumen output

1W - 31 lm / 34 lm, 6,5W - 66 lm / 80lm, 113 lm / 137 lm

Control gear

Electronic (EL)

IP - IK

IP65, IK09, IK10

Finishes

Inox [20]

Supply voltage

220... 240V, 50/60Hz

Installation

Wall recessed

Features

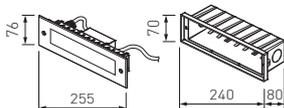


Polycarbonate protective diffuser



Diffuser

LED and control gear included

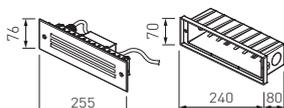


6,5W
120°
drill-hole 240 x 70
113 lm - 3000K **11.5000.0031.20**
137 lm - 4000K **11.5000.0041.20**



Louvers

LED and control gear included

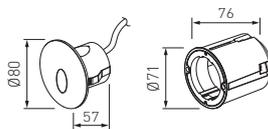


6,5W
120°
drill-hole 240 x 70
66 lm - 3000K **11.5000.0032.20**
80 lm - 4000K **11.5000.0042.20**



Circle

LED and control gear included

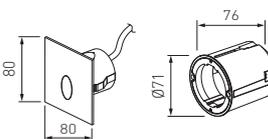


1W
80°
drill-hole Ø71
31 lm - 3000K **11.5000.0033.20**
34 lm - 4000K **11.5000.0043.20**



Squared

LED and control gear included



1W
80°
drill-hole Ø71
31 lm - 3000K **11.5000.0034.20**
34 lm - 4000K **11.5000.0044.20**

Num is a reduced range of recessed downlights suitable for places demanding a high degree of water-tightness – such as bathrooms, damp installations or outdoor porches.

Features

Cast aluminium body and hoop with special treatment for outdoor use. Protective clear glass. Stainless steel set screws.



Power

LED 13,5W, 25,7W

Beam

30°, 60°

Colour temperature

3000K warm white - CRI ≥ 80

4000K neutral white - CRI ≥ 80

Nominal lumen output

13,5W - 1563 / 1528 lm, 25,7W - 2881 / 2819 lm

Control gear

Electronic (EL)

IP - IK

IP65 - IK06

Finishes

White (33)

Supply voltage

220... 240V, 50/60Hz

Installation

Ceiling recessed

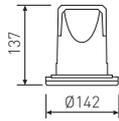
Features



LED



LED and control gear included



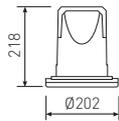
□
13,5W
30°
drill hole Ø 125
1563 lm
3000K **11.0460.8300.33**
4000K **11.0460.8400.33**

□
13,5W
60°
drill hole Ø 125
1528 lm
3000K **11.0460.8301.33**
4000K **11.0460.8401.33**

LED



LED and control gear included



□
25,7W
30°
drill hole Ø 182
2881 lm
3000K **11.0460.8310.33**
4000K **11.0460.8410.33**

□
25,7W
60°
drill hole Ø 182
2819 lm
3000K **11.0460.8311.33**
4000K **11.0460.8411.33**



OUT

SPOTLIGHTS p. 274

POLES p. 292

BOLLARDS p. 306

RECESSED p. 312

SURFACE p. 332

5

SURFACE



Riddle S
p. 334



Luxwall
p. 336



Beryl Proof
p. 338



Kubik
p.340

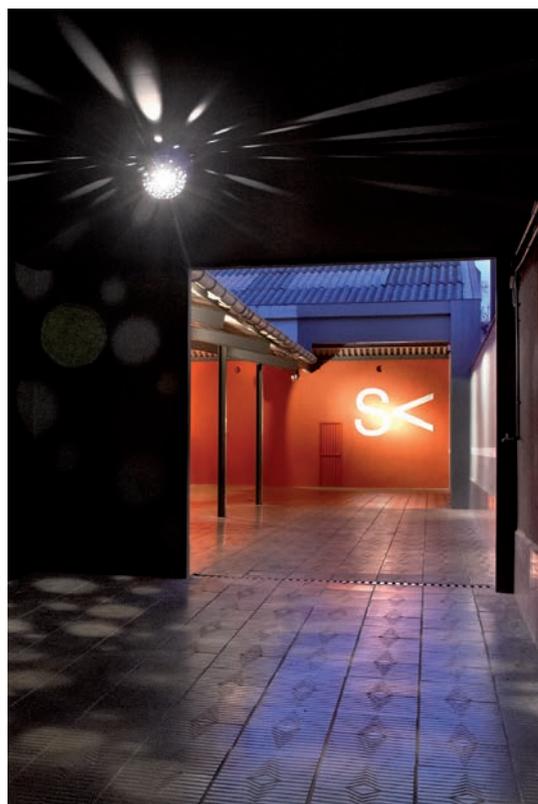
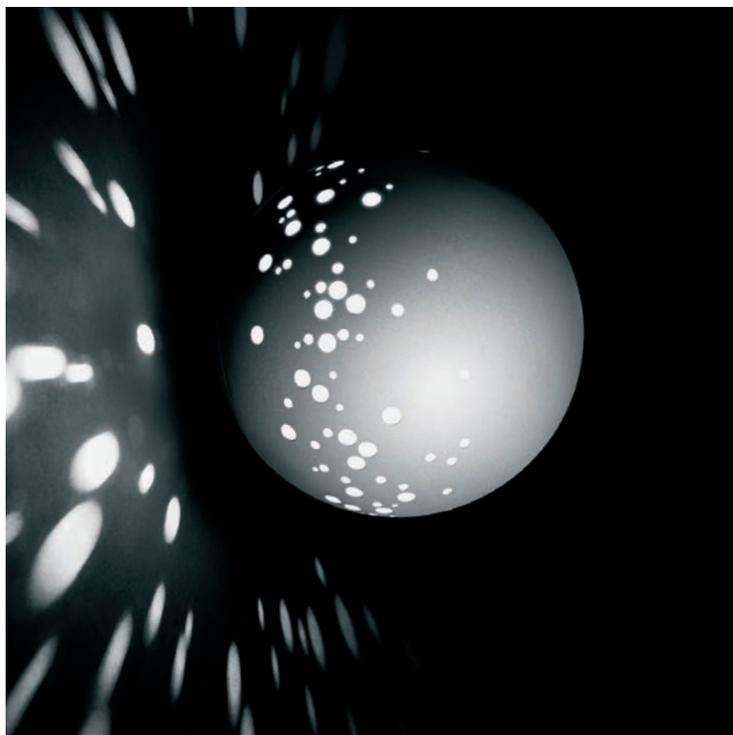


Apliques
p.342

Like sunlight filtering through leaves that is the concept behind Riddle. These spherical fixtures create a light and shadow effect to light outdoor urban or private areas. The spherical, perforated design sets it apart from other fixtures on the market. By day, its sculptured lines add to the surroundings while they shroud them in mystery at night.

Features

Body made of injected polycarbonate that later is drilled and painted in silver grey. Available in two versions: attached to walls or ceilings and ceiling hanging.



Power

LED 9,5W, 18W, 54W

Colour temperature

3000K warm white - CRI ≥ 80

4000K neutral white - CRI ≥ 80

Nominal lumen output

9,5W - 960 lm, 18W - 3000 lm, 54W - 8400 lm

Control gear

Electronic (EL)

IP - IK

IP65 - IK08

Finishes

Grey [21]

Supply voltage

220... 240V, 50/60Hz

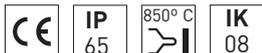
Installation

wall, ceiling, suspended

Accessory

Suspension for ceiling hanging

Features



Finishes



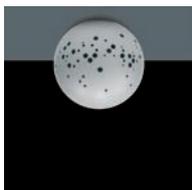
LED



9,5W
960 lm
Ø250 mm
3000K **11.6603.1083.21**
4000K **11.6603.1084.21**

LED and control gear included

LED



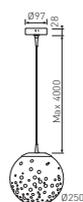
9,5W
960 lm
Ø250 mm
3000K **11.6604.1083.21**
4000K **11.6604.1084.21**

LED and control gear included



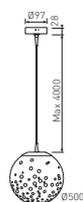
Hanging accessory
For ref: 11.6604
20/6604/21

LED



18W
3000 lm
Ø250 mm
3000K **11.6606.1083.21**
4000K **11.6606.1084.21**

LED and control gear included



54W
8400 lm
Ø500 mm
3000K **11.6606.2083.21**
4000K **11.6606.2084.21**

Square-format luminaire with lenses, that allows creation of different light effects. Luminaires can be set up with one Beam, two beams, three beams, or four beams to create emission beams single, double, triple or fourfold over façades, walls or passing areas.

Features

Body built in aluminium specially coated with bad environmental conditions resistant paint. Luminaire with high protection degree: IP65. Electronic gear built in the luminaire. Surface mounted installation.



Power

LED 20W

Beam

Asymmetric

Nominal lumen output

3300 lm

Colour temperature

4000K neutral white - CRI \geq 80

Control gear

Electronic (EL)

IP

IP65

Finishes

White

Grey

Anthracite

Supply voltage

220...240V, 50/60Hz

Intallation

Surface

Features



Finishes



LED



LED and control gear included



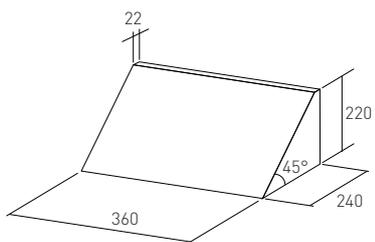
20W
Asymmetric
3300 lm
control gear EL
4000K **AG0KVAL330A34S1**



20W
Asymmetric
3300 lm
control gear EL
4000K **AG0KVAL330A22S1**



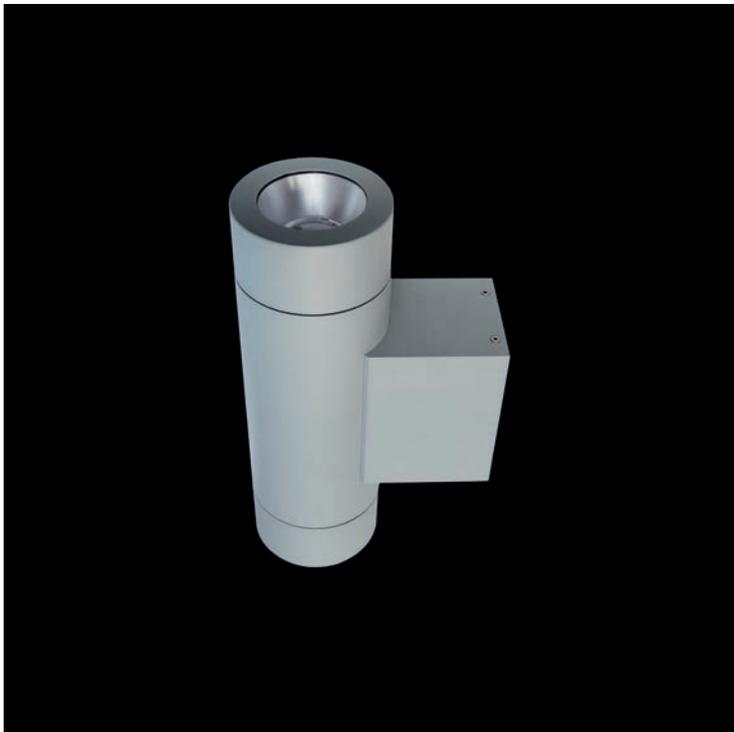
20W
Asymmetric
3300 lm
control gear EL
4000K **AG0KVAL330A25S1**



Beryl Proof Wall is a luminaire for wall surface installation with direct/indirect emission, able to offer light at the passage area next to the wall, while allow illuminate the installation vertical plane. By using the latest technologies in the optical system development, Beryl Proof Wall becomes a very effective, efficient and functional product to be used in both indoor and outdoor to light passage areas and vertical planes in halls, columns, facades and create special effects in the lighting of buildings.

Features

Body made of extruded aluminium with environmental factors resistant finishes. Beryl Proof Wall sets-in the last LED generation and high efficiency reflectors.



Power

LED 2 x 15W

Beam

20° (60° y 90° bajo demanda)

Colour temperature

4000K neutral white - CRI ≥ 90

Nominal lumen output

2 x 2000 lm

Control gear

Electronic (EL)

IP

IP20

Finishes

Black (04)

Grey (21)

Antracita (25)

Supply voltage

220...230V, 50/60Hz

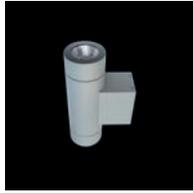
Installation

Wall surface mounted

Features



Finishes



2x15W
20°
2x2000 lm
AG0KSWGDL22000A04

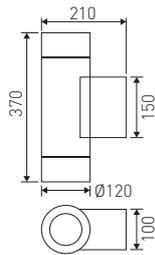


2x15W
20°
2x2000 lm
AG0KSWGDL22000A21



2x15W
20°
2x2000 lm
AG0KSWGDL22000A25

LED and control gear included



Square-format luminaire with lenses, that allows creation of different light effects. Luminaires can be set up with one Beam, two beams, three beams, or four beams to create emission beams single, double, triple or fourfold over façades, walls or passing areas.

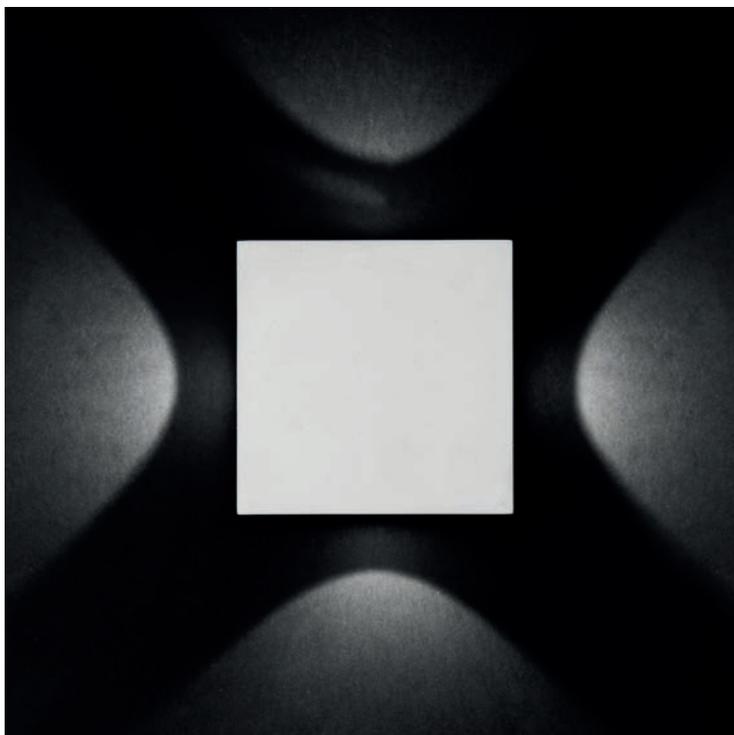
Features

Rectangular wall sconce

Body made of Die-cast aluminium, anthracite or white painted with glass protection. Kubik built-in LED with efficient lenses to create the light beams. Ready to install on both, in horizontal or vertical position. Rectangular versions offer elliptical optics, available with single or double beam.

Square wall sconces

Body made of Die-cast aluminium, anthracite or white painted with protective glass. Designed to create 4 light beams.



Power

LED 7,2W, 12,6W

Beam

105°, UP 60° + 20°

Nominal lumen output

7,2W - 273 / 524 lm, 12,6W - 963 lm

Colour temperature

4000K neutral white - CRI ≥ 80

Control gear

Electronic (EL)

IP

IP65

Finishes

White

Anthracite

Supply voltage

220...240V, 50/60Hz

Intallation

Surface

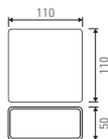
Features



Finishes



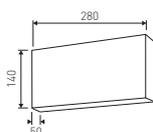
LED



7,2W
105°
273 lm
control gear EL
4000K **11.1611.0005**

LED and control gear included

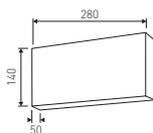
LED



7,2W
UP 60° + 20°
524 lm
control gear EL
4000K **11.1611.0003**

LED and control gear included

LED

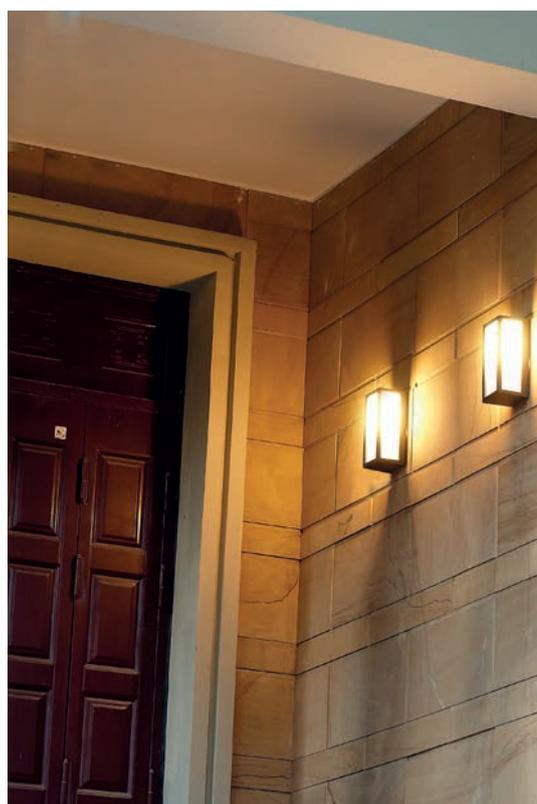


12,6W
UP&DOWN 60° + 20°
963 lm
control gear EL
4000K **11.1611.0004**

LED and control gear included

A range of wall lamps for surface mounting designed for atmospheric lighting. High protection ratings for use outdoors or indoors.

This range includes several shapes, materials and light sources for mounting on wall, ceiling or simply mural.



Power

LED 6,3W, 9W, 16,2W

Beam

105°

Nominal lumen output

3000K warm white - CRI \geq 80

4000K neutral white - CRI \geq 80

Nominal lumen output

LED 6,3W - 300 lm, 9W - 450 lm, 16,2W - 860 lm

Control gear

Electronic (EL)

IP

IP54

Finishes

White (33)

Anthracite (22)

Supply voltage

220... 230V, 50/60Hz

Installation

Wall, ceiling

Features



<p>LED</p> <p>Diffuser</p> <p>LED and control gear included</p>			<p>9W 450 lm control gear EL 3000K 11.6105.0001.22</p>
<p>LED</p> <p>Grid</p> <p>LED and control gear included</p>			<p>9W 450 lm control gear EL 3000K 11.6105.0002.22</p>
<p>LED</p> <p>Semicircle</p> <p>LED and control gear included</p>			<p>9W 450 lm control gear EL 3000K 11.6105.0003.22</p>
<p>LED</p> <p>Diffuser</p> <p>LED and control gear included</p>			<p>6,3W 300 lm control gear EL 3000K 11.6105.0011.22</p>
<p>LED</p> <p>Grid</p> <p>LED and control gear included</p>			<p>6,3W 300 lm control gear EL 3000K 11.6105.0012.22</p>
<p>LED</p> <p>Semicircle</p> <p>LED and control gear included</p>			<p>6,3W 300 lm control gear EL 3000K 11.6105.0013.22</p>

Features

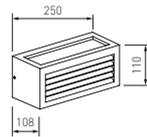


Finishes



Louvers

Lamp LED and control gear included

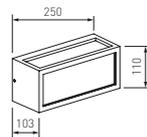


16,2W
105°
860 lm
control gear EL
4000 K **11.1611.0001**



Diffuser

Lamp LED and control gear included



16,2W
105°
860 lm
control gear EL
4000 K **11.1611.0002**





IN

ARCHITECTURAL p. 14

TRACKLIGHTS p. 64

RECESSED DOWNLIGHTS p. 100

RECESSED LUMINAIRES p. 158

RECESSED LINEARS p. 172

SURFACE DOWNLIGHTS p. 178

SURFACE LUMINAIRES p. 192

SURFACE LINEARS p. 204

WALL SCONCES p. 224

INDUSTRIAL p. 234

LINEALED p. 246

HEALTH & CARE p. 262

OUT

SPOTLIGHTS p. 274

POLES p. 292

BOLLARDS p. 306

RECESSED p. 316

SURFACE p. 332

CONTROL

1 SWITCHES & REMOTECONTROLS



p. 350

2 SENSORS



p. 353

3 DIMMING DEVICES



p. 355

4 POWER SUPPLY DEVICES



p. 356

Evolution of electronics and communications has given rise to a new world in which everything and everyone is connected through communication networks (WiFi, Bluetooth, RF, IR ...), is the world of IoT (Internet of Things). Connected lighting or smart-lighting, is the result of the intelligent lighting evolution when incorporating new technologies developed in the field of electronics and wireless communication. Within this new paradigm, the new control and regulation systems allow the luminaires to communicate between them, to generate a network of connected elements able to be accessed from any of these elements that make up the network. This luminaire interconnection gives us a series of advantages and above all opens up a new world of applications and utilities for lighting systems.

There is no doubt about a good management of the lighting system is essential in the integral design of a lighting project looking for high quality and efficiency. A good lighting control system allows us from the regulation of light levels depending on environmental and regulatory needs, to the generation of flexible architectural environments depending on the space uses. This involves modifying the chromaticity of light or the dynamic light generation to improve the wellbeing and health of the lighted space users, introducing important advantages to our project:

Flexibility

The use of intelligent light management systems allows adjust the anyplace lighting according to the activity-carried out needs required , the natural light contribution and activity presence through the use of light-level and presence sensors.

- Combination of manual control, remote control, motion detection, luminance maintenance, automated scheduling.
- Different activities, different lighting.
- Lighting adjustment according to the time of the day, or year season.
- The established luminance levels can be maintained through the use of light sensors.

Esthetic

An intelligent control system allows adapt the lighting to the desired ambience, either by modifying light levels or selecting different white tones light, from warm white to cold white (tuneable white system) to generate more comfortable environments, and healthy for people who use the space at any times.

- Scenography. New control systems allow generate personalized scenes for each user, improving the user experience.
- Sensations, emotions and impulses: Light influences the mood of people. Small changes in the light tonality trigger relaxation or stimulation reactions in living beings. This light effect on the possibility of synchronizing the biological clock of human beings is part of modern architectural designs.

Comfort

Lighting can be adapted in a personalized way to each user, or to each event and activity that takes place in a specific space. Most of the five criteria that define the lighting quality can be adjusted by installing a lighting control system. The brightness distribution, the light tonality and the illuminance optimize a lighting solution and the effect it has on people improving the space comfort and decreasing sight fatigue.

- Illuminance control based on the natural light contribution helps to maintain the right balance between efficiency and comfort.
- Dynamic lighting solutions allow follow the natural sun rhythm in terms of quantity, direction and light tonality (which vary according to the time of day and season) to offer a particularly pleasant user experience.

Energy efficiency

The energy production costs constant increase, as well as the impact it has on the environment, make energy saving an increasingly important parameter in the design of our architectural environments. Intelligent management will allow us to improve our facilities efficiency of and increase energy savings:

- Luminous flux limitation.
- Switch on/off control through time programming or absence/presence detection.
- Taking advantage of daylight.
- Light adjustment in accordance to the time of day, or season of the year.

Maintenance

Connectivity adds a new technological level to the lighting project since it allows see the facility status at a glance; receive information in real time about faults, consumption, efficiency, operational hours... etc. Installation administrator has pertinent information and a summary of installation situation at all times, making easy management, the taking of decisions about what adjustments are necessary and planning a scheduled preventive maintenance that will reduce breakdowns and maintenance cost.

Connectivity

In addition, the use of wireless systems allows install many elements without wires, simplifying the installation system complexity, since it is not required additional signal wiring in many cases. On the other hand access to the network can be done from any element of the same and not from a single access point, as it happen with intelligent lighting. These aspects help to reduce installation costs and facilitate control of lighting, encouraging efficient energy consumption.



Security

Smartlighting systems allow of emergency luminaires and general lighting integration in a single system, which offers us some advantages:

- Better illumination the escape routes in case of fire.
- Improve the effect of a fire alarm and security systems.
- Monitoring and testing of emergency lighting.
- Simplifies management and saves installation costs.

Functionality

Existence of a connected elements network, allows use more intuitive and flexible elements of interaction with users, based on app's (using android and IOS operating systems) well-known by the users. This allows a greater interaction between users and control system changing its relation with the lighting improving the identification of the user with the space and the personalization of the same, eliminating programming costs.

Scalability

The new smartlighting elements have plug & play technology, that allows expand the network without having to reconfigure it again. This translates into a lower cost in case of network expansion. It also allows integration with other existing higher level control systems in buildings.

Análisis Big Data

As it has been already mentioned, Smartlighting concept opens a future of applications and utilities goes beyond the lighting system itself, going beyond of it to integrate with the environment in which it lives and collect data about its use. The communication network, that our lighting system is, connects with other coexisting elements in the environment (mobile phones, tablets, watches, smart bags ...) to collect anonymously data on the use that people make of that space, and how they live in that space:

- How do consumers perceive the shopping experience in a retail space?
- How is our clients' interaction with the common spaces (commercial premises, showrooms, office meeting rooms, and airport or station waiting rooms.)
- How is the traffic within our architectural space, be it a retail space, an office, or a public space: park, pedestrian zone, airports...

Connected lighting allows us to use technology (IoT) to collect, manage and analyze data, providing us with knowledge about our business/space/client/consumer to be able to take decisions that help us to manage our business, build brand and improve our business performance.

- The space utility. How many people are in it? How long for? At what time of the day, or at night?
- The space's physical environment. Temperature data humidity, pressure, noise, light levels, air composition...
- Space traceability. Where do people go to? Which routes are the most frequent? How long do people take to do the track?

Providing us with knowledge about our business/space/client/consumer and to be able to take decisions that help us to manage our business, build brand and improve our business performance.

At present, there are multiple solutions that can fit to the needs of a project. From TROLL we put our experience and knowledge at our clients' service. Luxiona professionals offer assistance in each stage of the project: from the initial design concept, going through the study and analysis of the different proposals, to the final execution process. Our technicians are the best help to get the most efficient and functional lighting solution, as well as the application of the most appropriate management systems in each case, whatever the space and its function:

- Retail
- Office
- Hospitality
- Health&care
- Industrial
- Residencial Sport
- Outdoor

To develop control and smart lighting projects, please contact our commercial team.



Switches

Analogic

TROLL rotating switch for Triac dimming (trailing phase). Accessory designed to be recessed into a wall and able to control halogen lamps (from 25W to 500W) and LED light sources (from 6W to 300W). It is fed by mains voltage 220-240V and 50 / 60Hz.



11.1801.1010.00

TROLL rotating switch for 1-10V dimming. Accessory designed to be recessed into wall and able to control a current of up to 50mA and connect/disconnect a maximum current of 5 A. It is fed at mains voltage 220-240V and 50 / 60Hz.



11.1801.1020.00

DALI

TROLL rotating switch for DALI dimming. Accessory designed to be recessed in walls and able to control up to 64 unique addresses or 15 groups. It feds through the DALI line.



11.1801.1030.00

TROLL rotating switch for DALI dimming. Accessory designed to be embedded in walls and able to control up to 50 unique addresses or 15 groups. DALI power supply not needed.



11.1801.1031.00

TROLL touch switch for DALI dimming. Accessory designed to be recessed into walls and able to control up to 4 unique directions or 15 groups. It is fed through the DALI line.



11.1801.1130.00

DALI

TROLL switch for DALI dimming. Accessory designed to be recessed on the wall and prepared for the control of luminaire groups and pre-recorded scenes (3 scenes) with Multi-master system to connect several control modules in the same DALI system. Easy individual switch adjustment and buttons assignment by means of an internal rotary selector. The accessory has

double terminals for continuous wiring. It is fed through the DALI line.

The switch also has an infrared receiver which allows you to control the system using the remote controls 11.1801.1230.00 or 11.1801.1231.00.



11.1801.1131.00
3 scenes

11.1801.1132.00
5 scenes

RGBW / RGB

TROLL touch switch for the RGBW or RGB colour dimming. Accessory designed to be recessed into walls and prepared for control up to 20 units of the controller 11.1655.0001.00 through RF signal. It is fed at main voltage 110-240V 50/50Hz.



11.1655.0002.00

TW

TROLL touch switch for Tuneable white dimming. Accessory designed to be recessed into walls and prepared for control up to 20 units of the controller 11.1655.0001.00 through RF signal. It is fed at main voltage 110-240V 50/50Hz.



11.1655.0005.00

11.1801.1133.00 allows easy control of Tuneable White luminaires using the DALI protocol. It builds-in a rotary selector on the back that depending on the position allows you to control different groups 0 - 14 or the entire DALI line.



11.1801.1133.00

Remote control

<p>DALI</p>	<p>TROLL's optional IR remote control is suitable for switching on/off, manual dimming or automatic dimming of light levels. Capacity for 2 pre-programmed scenes and 5 different flow levels (100, 50, 25, 12 and 6%). Each key's value assignment is possible by using software and also the adjustment of the dimmed light nominal level. Wall bracket included.</p>	 <p>11.1801.1230.00</p>
	<p>Troll's optional IR remote control is suitable for switching on/off, manual or automatic dimming of light levels. Adjustment of the nominal value of the regulation of light is possible.</p>	 <p>11.1801.1231.00</p>
<p>RGBW / RGB</p>	<p>TROLL's RGBW/RGB remote control has 4 different zones that can select the colours Red / Green / Blue / White directly. It also has 3 memories (buttons S1, S2 and S3) to record colours or pre-programmed scenes. You can also select a colour touching the wheel or set a dynamic colour change. The control can be adapted to a 3-channel (RGB) or 4-channel (RGBW) output system.</p>	 <p>11.1655.0003.00</p>
<p>TW</p>	<p>TROLL's TW remote control has 4 zones different to group dimmers directly. It also has 3 memories (buttons S1, S2 and S3) to record different white tones or pre-programmed scenes. A white tone can be selected by touching the wheel or set a dynamic white tone change</p>	 <p>11.1655.0006.00</p>

Sensors

On - Off

PIR sensor from TROLL 11.1801.30001 allows control (on and off) 650W luminaires LED non dimmable. Simple group assignment can be done through a rotary switch. Sensor has a 170° coverage angle (covers a circle of 7m diameter to 2.8m in height). It is designed for surface installation and is fed to 220-240V, 50/60 Hz.



Surface

11.1801.3001.00

Recessed

11.1801.3002.00**DIM 1-10V**

1-10V light level sensor from TROLL allows a simple and automatic constant light control from 200 to 600 lux with an opening angle of 45°. Sensor designed for ceiling recessing, maximum height 5m. It can be used with any ballast or 1-10V dimmable driver (each sensor can control up to 10 1-10V dimmable drivers). Significant energy savings can be achieved in various applications, such as offices, schools, factories, airports and shopping centres.



Recessed

11.1801.3020.00

Surface

11.1801.3021.00

DALI

DALI light level and presence sensor from TROLL allows simple and automatic control of constant light level and people presence detection (both can be deactivated if necessary). Simple group assignment can be done through a rotary switch with the possibility of multiple sensors in a group. A sensor can control up to 64 dimmable drivers. 1.1802.3030.00 can be remotely controlled and individual adjustment of the parameters can be carried out using configuration software. Sensor has been designed for ceiling surface installation on. Significant energy savings can be achieved in various applications, such as offices, schools, factories, airports and shopping centres. It is fed by the DALI Line.



Surface

11.1801.3030.00



Recessed

11.1801.3031.00

Constant power controller

Light dimming controller for voltages 12-24V. It has five distinct mode of operation (selected via the dip-switches): on/off,push dimming, DALI, dimming 0-10V, dimming 1-10V.



73/DLP



73/DLS

Slave

Regulador RGBW / RGB / TW

RGB, RGBW or Tuneable white (TW) master controller for LEDs fed at 12-24V. It communicates by RF with the touch switches and controls 11.1655.0002.00 and 11.1655.0003.00 (RGB and RGBW) or 11.1655.0005.00 and 11.1655.0006.00 (TW).



11.1655.0001.00

Signal booster for RGB, RGBW and tuneable white (TW) LEDs fed at 12-24V. Extension accessory for controller 11.1655.0001.00.



11.1655.0004.00

Auxilair DALI

4W DALI power supply for separate installation from TROLL. Accessory supplies 200 mA to DALI devices or control drivers that don't have their own power supply. 11.1801.2030.00 accomplish with the DALI standard IEC60929 (DALI V0) and IEC62386 (DALI V1). It is fed at 230-240V; 50 / 60Hz.



11.1801.2030.00

PC interface module for DALI systems from Troll. Accessory for connecting software tools for addressing, programming and parameterizing DALI installations and TROLL devices. It is fed through the DALI line.



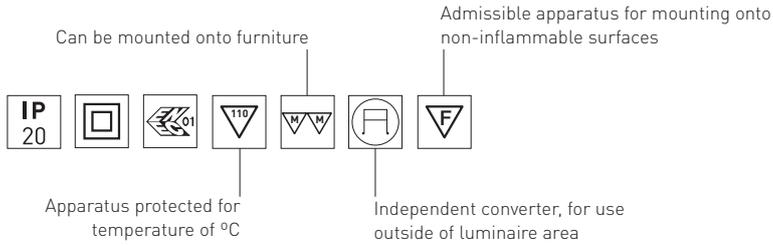
11.1801.2031.00

Bluetooth

Bluetooth communication interface for dimmable drivers by 0-10V, 1-10V, or DALI protocol. The elements communicate with each other creating a communication network up to 127 nodes. It can be controlled by an app with Android or iOS devices.

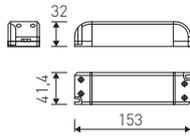


11.1801.50130.00

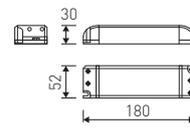


Power supply devices

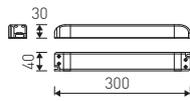
IP 20



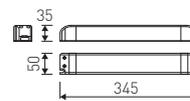
11.1801.7010.00
Power supply on/off
220-240Vac/24V 30W.
Independent use.



11.1801.7011.00
Power supply on/off
220-240Vac/24V 60W.
Independent use.



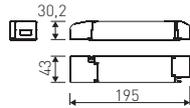
11.1801.7012.00
Power supply on/off
220-240Vac/24V 120W.
Independent use.



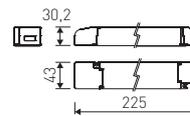
11.1801.7013.00
Power supply on/off
220-240Vac/24V 180W.
Independent use.

DALI

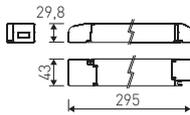
IP 20



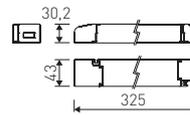
11.1801.7030.00
Power supply
DALI/push DALI
220-240Vac/24V 35W.
Independent use.



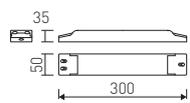
11.1801.7031.00
Power supply
DALI/ Push DALI
220-240Vac/24V 60W.
Independent use.



11.1801.7032.00
Power supply
DALI/push DALI
220-240Vac/24V 100W.
Independent use.



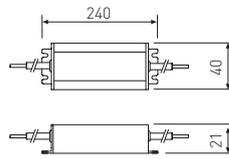
11.1801.7033.00
Power supply
DALI/push DALI
220-240Vac/24V 150W.
Independent use.



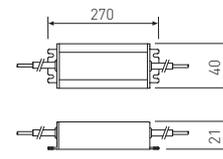
11.1801.7034.00
Power supply
DALI TW
220-240Vac/24V 160W.
Independent use.

Power supply

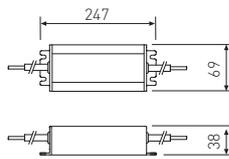
IP
67



71/LDT06024
Power supply
120-240Vac/24V 60W.
Independent use.



71/LDT9624
Power supply
120-240Vac/24V 96W.
Independent use.

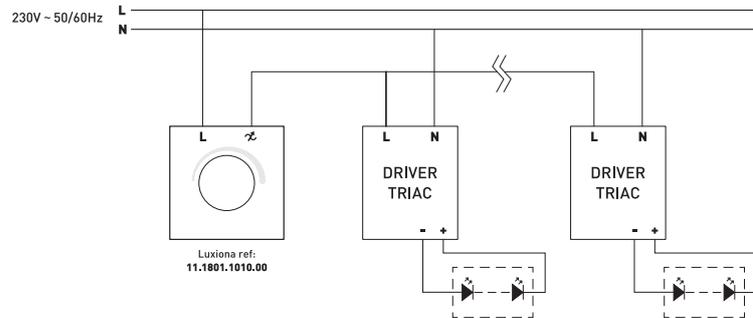


71/LDT18024
Power supply
120-240Vac/24V 180W.
Independent use.

Schemes

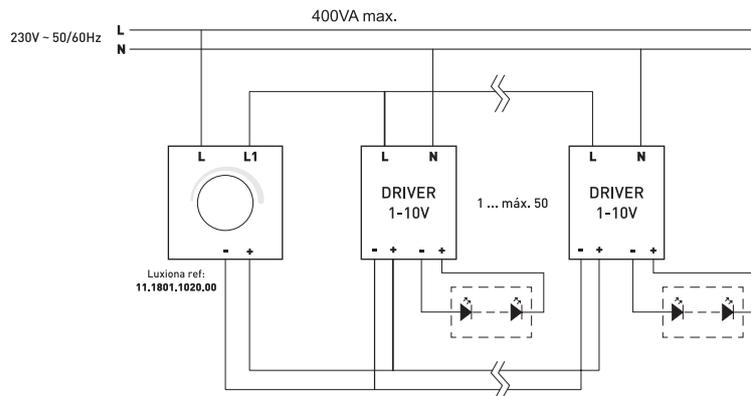
Dimming with rotative TRIAC switch

- Triac rotative switchch
- Driver TRIAC needed on luminaire
- Maximum powe 300W



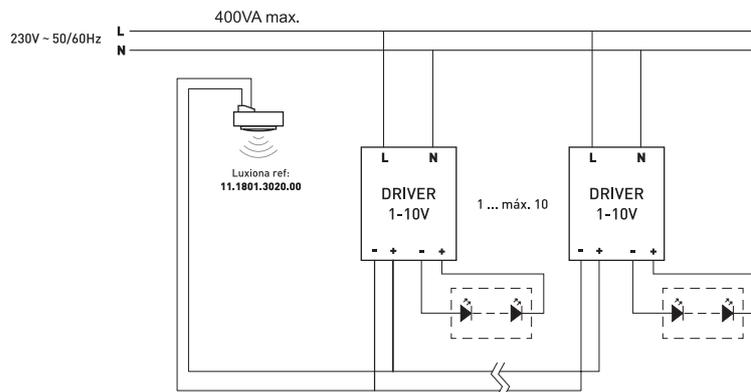
1-10V dimming with rotative switch

- 1-10V rotative switch
- For luminaires setting 1-10V dimmable driver
- Maximum power 400W



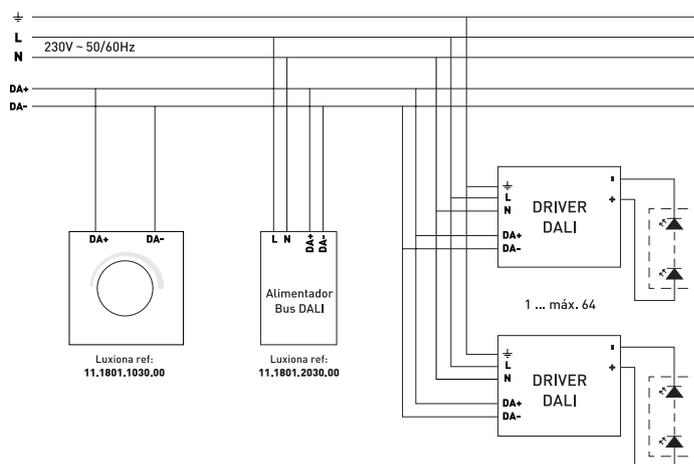
Dimming with !-10V sensor

- Luminaire with 1-10V dimmable driver
- Angle detection 45°



DALI dimming with rotative/touch switch and DALI power supply

- DALI dimming with rotative switch or touch switch
- DALI power supply needed. For luminaire setting DALI drivers
- Adjustment of DALI lighting group with "Group" rotary switch

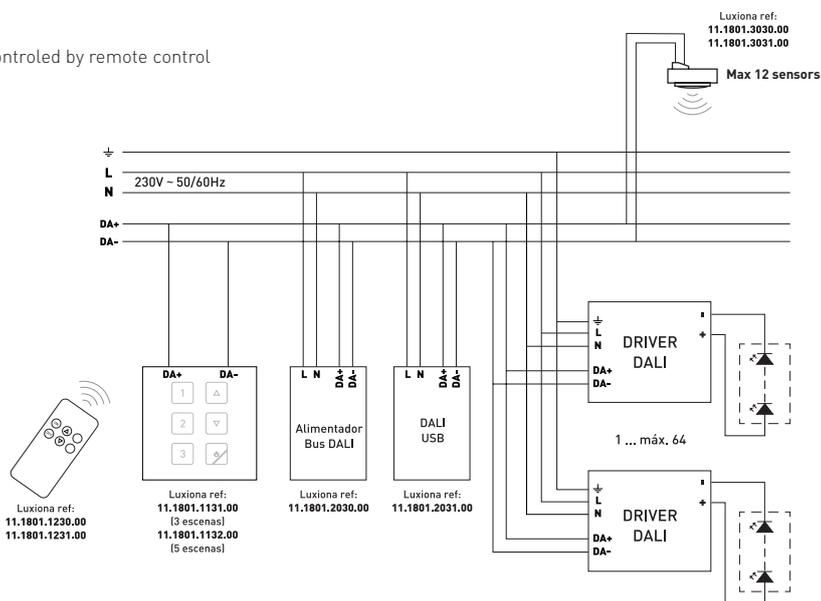


DALI dimming with scenes & sensor

- DALI power supply needed. For luminaires setting DALI drivers
- Program trough PC using USB interfaz module
- 3 or 5 scenes
- Surface/recessed sensors for presence and light levels. sensors controlled by remote control

- Sensors DALI
Surface, ref. 11.1801.3030.00
Recessed, ref. 11.1801.3031.00

- Remote controls
DALI ref. 11.1801.1230.00
For sensor, ref. 11.1801.1231.00



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