



FUTUROLUCE

FUTUROLUCE

OUR COMPANY

In 2004 Alessandro Carrera founded Futuro Luce, capitalizing on a personal predisposition towards design in the field of mechanics and technical drawing.

The activities of the company, which began operating in the field of craftsmanship, is aimed at the production and marketing of lighting systems.

The company initially specialized in the production of fibre optics, but soon the focus shifted to LED systems. By studying the possibilities of application with constant commitment and keeping with the fast technological evolution of this type of product, we developed considerable know-how, especially for highly complex projects with significant level of integration with various control systems.

Futuro Luce is not only a manufacturer, but a true lighting laboratory, in which the value of personalization plays a primary role. We have always been collaborating and communicating with renowned architects and light designers, offering the customer a solid ability to engineer and develop custom products.

In 2018 the company reached the important goal of the certification of complete compliance with ISO 9001:2015 standard.





BUREAU VERITAS
Certification



FUTURO LUCE SRL

Registered and Operative Site :
Via Lombardia, 10/12 – 24041 BREMBATE (BG) - ITALY

Bureau Veritas Italia spa certify that the Management System of the above organisation has been audited and found to be in accordance with the requirements of the management system standards detailed below

Standard

ISO 9001:2015

Scope of certification

Design and manufacturing of lighting fixtures and lighting systems, also to customer specifications. Marketing of related accessories

EA Sector(s): **19,29**

Certification cycle start date: **19 February 2018**

Subject to the continued satisfactory operation of the organisation's Management System, this certificate expires on: **18 February 2021**

Original certification date: **19 February 2018**

Certificate No. **IT279181**

Version N.1 Revision date: **19 February 2018**

CARMELA DE FEO- Technical Committee Coordinator

Certification body address:

Bureau Veritas Italia SpA Viale Monza, 347 - 20126 Milano, Italia

Further clarifications regarding the scope of this certificate and the applicability of the management system requirements may be obtained by consulting the organisation. To check this certificate validity please refer to the website <http://www.bureauveritas.it/certificate>



SGQ	N° 009A	SGE	N° 009M
SGA	N° 008D	EMAS	N° 004P
PRD	N° 009B	GHG	N° 008D
SCR	N° 008F	TSP	N° 006E
FSMS	N° 003I	SSI	N° 013G
PRS	N° 076C		

Membro degli Accordi di Mutuo Riconoscimento EA e IAF
Signatory of EA and IAF mutual Recognition Agreements



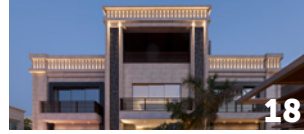
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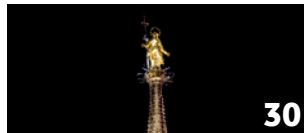
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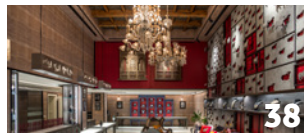
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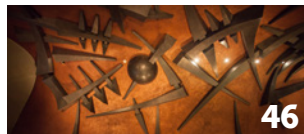
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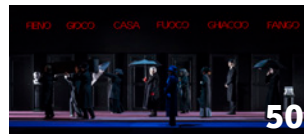
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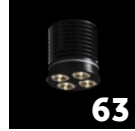
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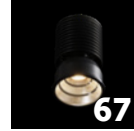
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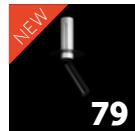
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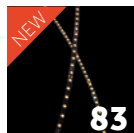


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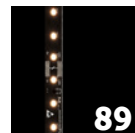


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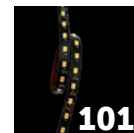
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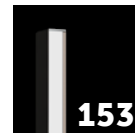
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Groove

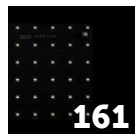


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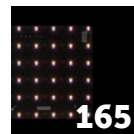
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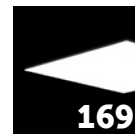
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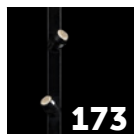


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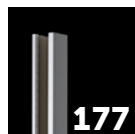


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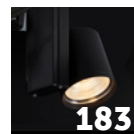
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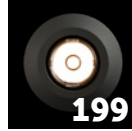
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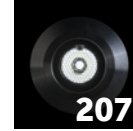
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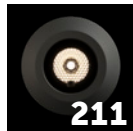
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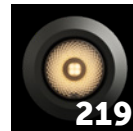
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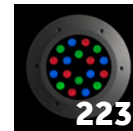
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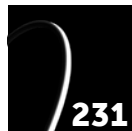


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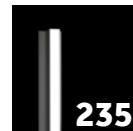
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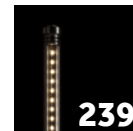
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Spline



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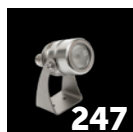


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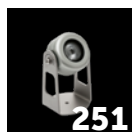


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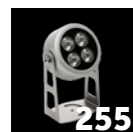
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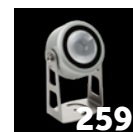
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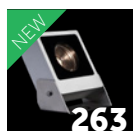
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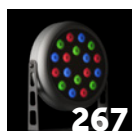
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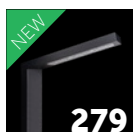
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constant
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Indoor
constant
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Multi-output
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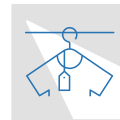
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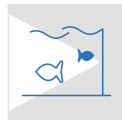
RETAIL AND SHOPS



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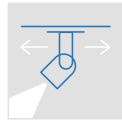
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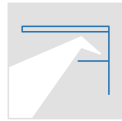
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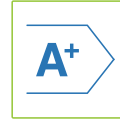
LIGHTING COVES



A CLASS

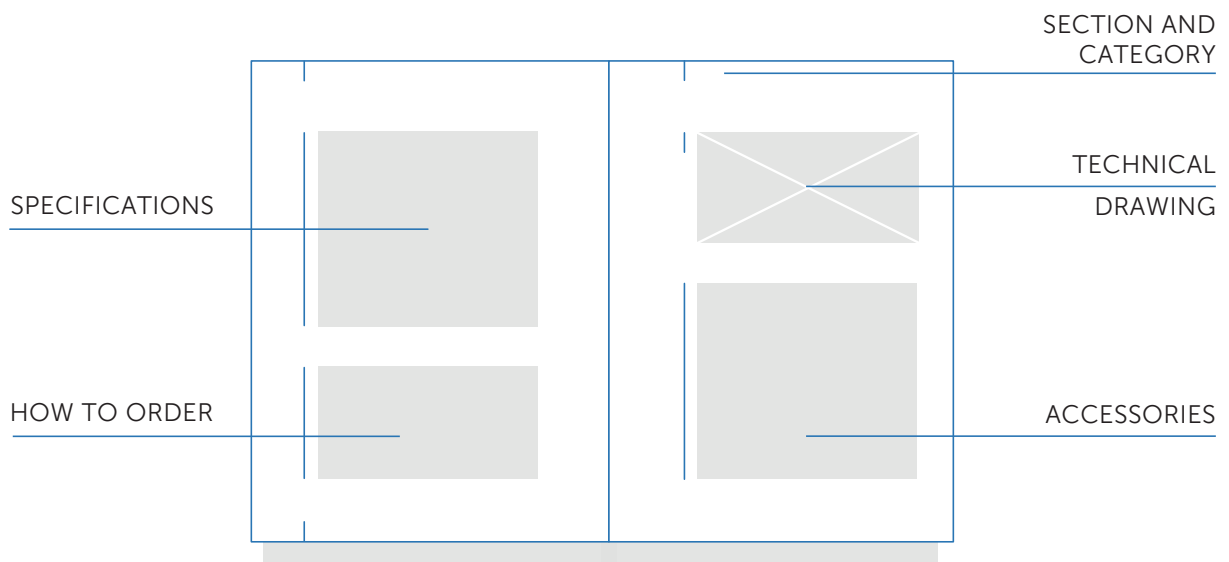
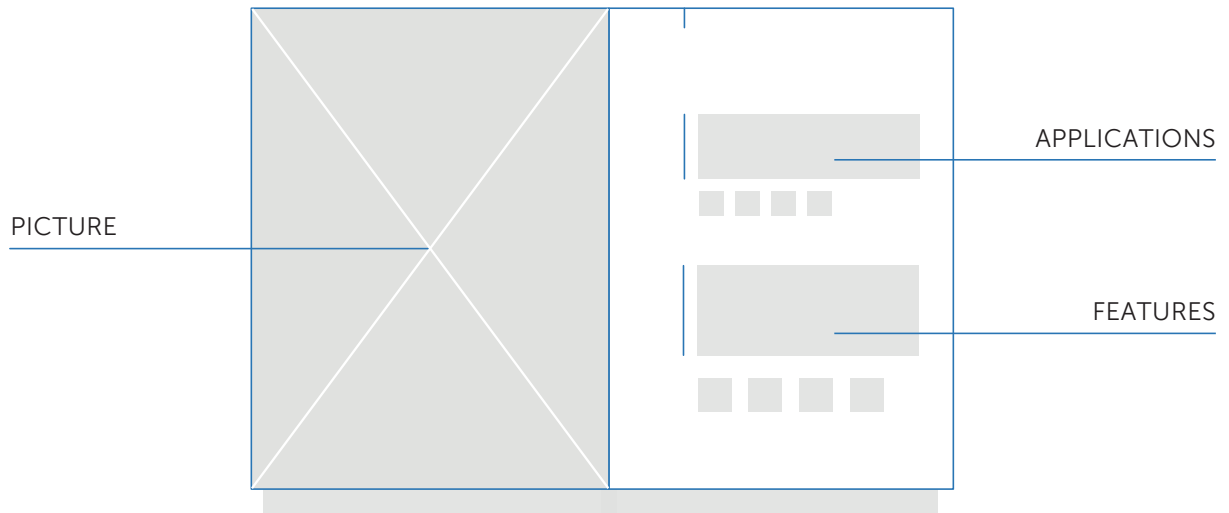


LIGHTING COVES



A+ CLASS

HOW TO USE PRODUCT CATALOGUE





MARINA CITY

ABU DHABI, 2018



LIGHTING DESIGN
Cinmar Lighting

The residential project of Marina City, involved the realization of luxury housing solutions in the central area of Abu Dhabi Marina, next to the new Fairmont Hotel. The characterization of the facades with the insertion of bright blue

lines makes the project immediately recognizable and visible even at a distance, making this complex one of the most vivid of the city's new urban project.



PRODUCTS

BETA Profiles

The light lines are made with aluminium profiles of the Beta series equipped with blue LED modules, incorporated in transparent polyurethane resin to guarantee the required degree of protection. The use of a polyurethane with high technical characteristics makes it possible to use it per-

manently in demanding climatic conditions such as those of the Arab Emirates. A system of integration of power lines and dedicated wiring has been studied to ensure maximum aesthetic cleanliness of the installation, with an absolutely flawless result.







LUXURY PROPERTY

DUBAI, 2018

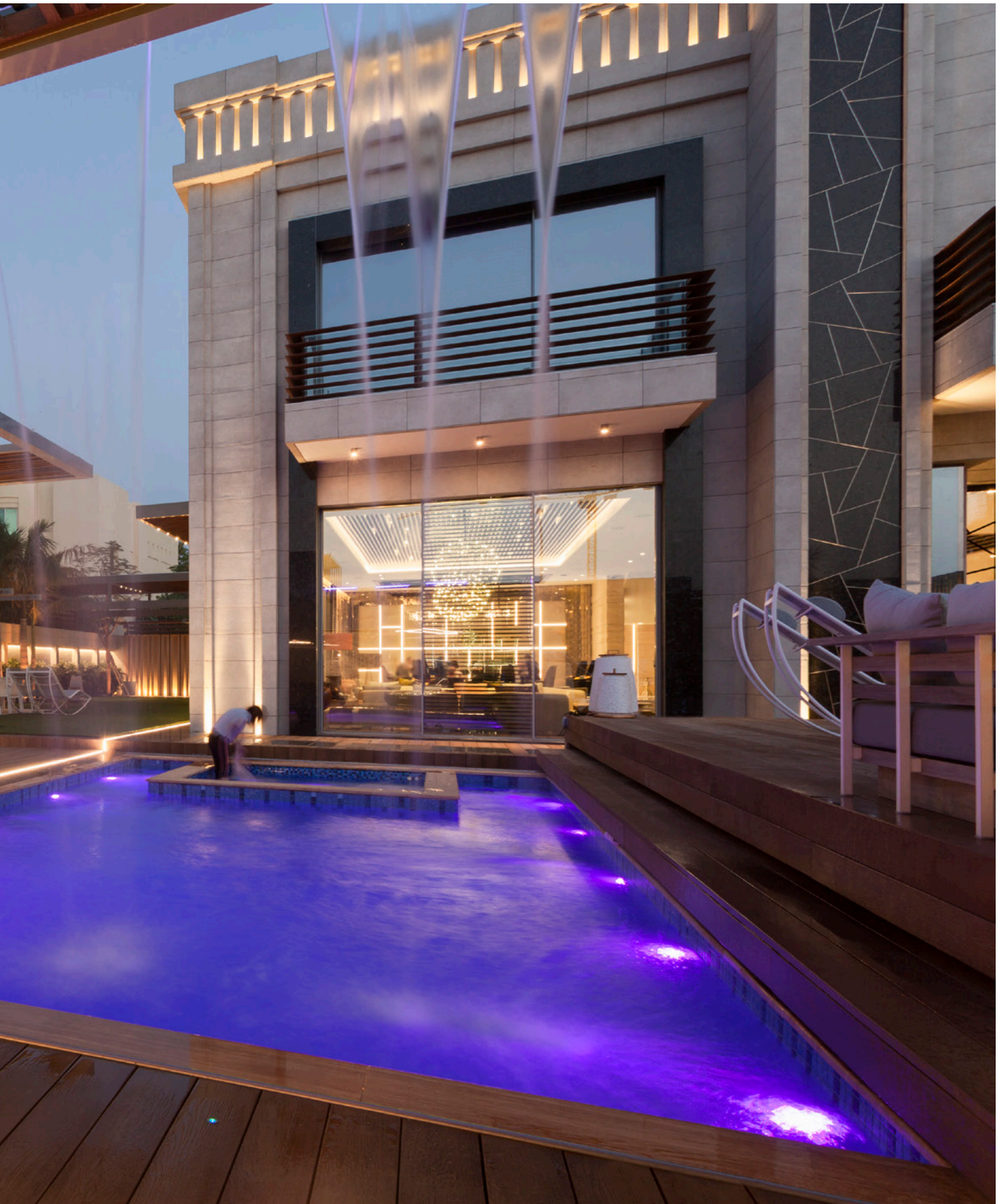


UNIQUENESS
Spectrum Lighting

This luxury property it's unique and reflects in full the owner's style and taste. Characterised by clean design and straight cuts, each element of this project utilises high-end finishing and ma-

terials, from fine wood to marble, from polished brass to onyx. The main façade projects impact and importance, and the balanced lighting design emphasizes the modern design.





POOL

The pool area has been characterized by the inclusion of a continuous line of RGB LED light on the ground, which

guides the guest along the edge of the pool, creating a striking effect.





MAJLIS

The realisation of the Majlis is a truly unique environment, combining various environments in one: consisting of a kitchen area, a living area with sofas and armchairs, a play area with the pool table and a wall equipped for fitness. To add a touch of magic to the whole, there is a stunning, state of the art supercar, which with its bold design reflects in a unique way the linear ceiling installations. Four sets of several "Tiny" spotlights are placed in a groove with black surfaces in the ceiling, which make the installation discrete but effective and certainly gives pleasant effect.





ENTRANCE

The entrance has a noticeable visual impact characterized by the presence of a large atrium, in which we find a wall containing elements and the stage presence of the main staircase. This is then embellished by the insertion of a

blown glass chandelier and surrounded by linear elements inserted into the marble on the walls. All the downlights of the SJ16 series define the general lighting of the rooms.



DINING ROOM

The dining area has a high level installation executed with onyx slabs, backlit by Matrix LED modules. In order to create something unique, a second scenario was created, inserting Micron profiles between the onyx slabs, creating a particular effect with unique refinement.



LIVING ROOM

Interesting lighting detail of the suspended staircase: inside the cantilevered steps, an Alfa profile has been inserted with an opal cover to soften the effect of the light projected onto the walking surface of the step below.







MADONNINA OF DUOMO

MILAN, 2017

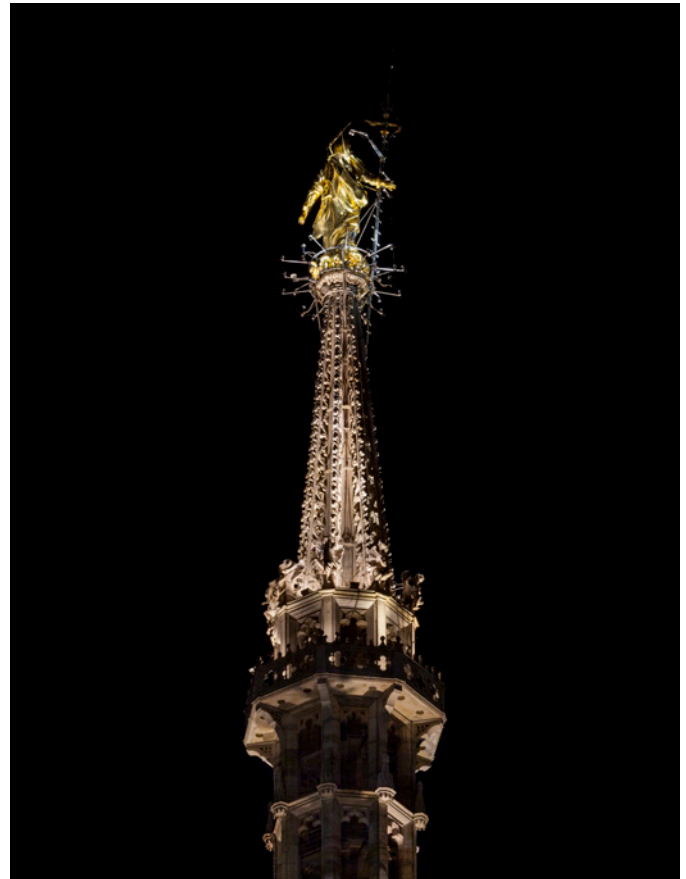


REDESIGN

The “Madonnina Duomo di Milano”, built in 1774 by the sculptor Giuseppe Perego, is the golden copper statue depicting the Virgin Mary placed on the main spire of the Cathedral of Milan and the ultimate symbol of the city. 4.16m high, it dominates the cathedral and the square from the height of 108.5m. The original lighting sys-

tem consisting of incandescent PAR lamps, however subject to frequent problems with lamp failure and the cost of replacing, as well as a high energy consumption, meant that there was a significant need for a reliable solution, also the client wanted to ensure the whole statue was lit, which the incandescent solution failed to deliver.



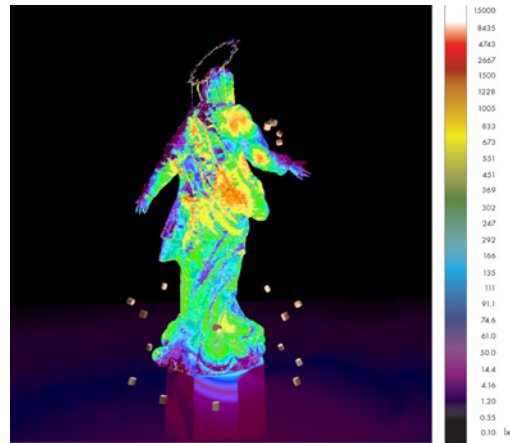
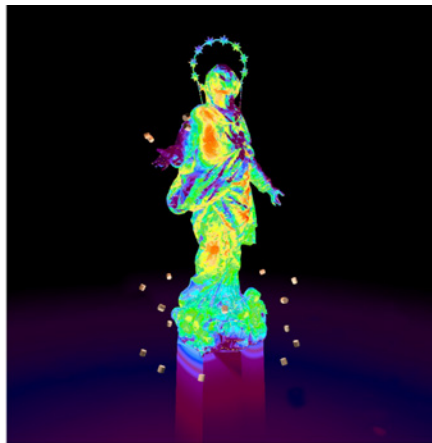


LIGHTING DESIGN

Ferrara-Palladino Studio

The new lighting systems with LED and inaugurated on the occasion of Christmas 2017, has set itself the goal of solving the problems of the previous system, giving more prominence to the back top of the statue. The solution was to place 21 lighting fixture at a higher

height, to allow a more favourable projection angle. The use of LED projectors with different optics, from 10 to 100°, also allowed us to illuminate the statue in its full volume, reducing the areas of shadow. Illuminance values obtained are in the order of 1000 lx.



PRODUCTS

Dubai4

The projectors were installed on the telescopic and articulated arms in carbon, anchored to existing metallic circles with joints. Well structured arms offer to the system a good resistance and at the same time allow the flexibility to make the point as accurately as possible. The

work was finally completed with the use of a trailing arm braced for lighting back and neck. The project result obtained with this intervention was 360° lighting, which gives the viewer the full splendor of the "Madonnina Duomo di Milano" from any direction you look.



BULTHAUP SHOWROOM

MILAN, 2017



VALORIZE

The current showroom was inaugurated in April 2010 on the occasion of the Salone del Mobile, and it's a space covering two floors with a total of 700 square meters. A wide, luminous space dominated by clean and essential lines.

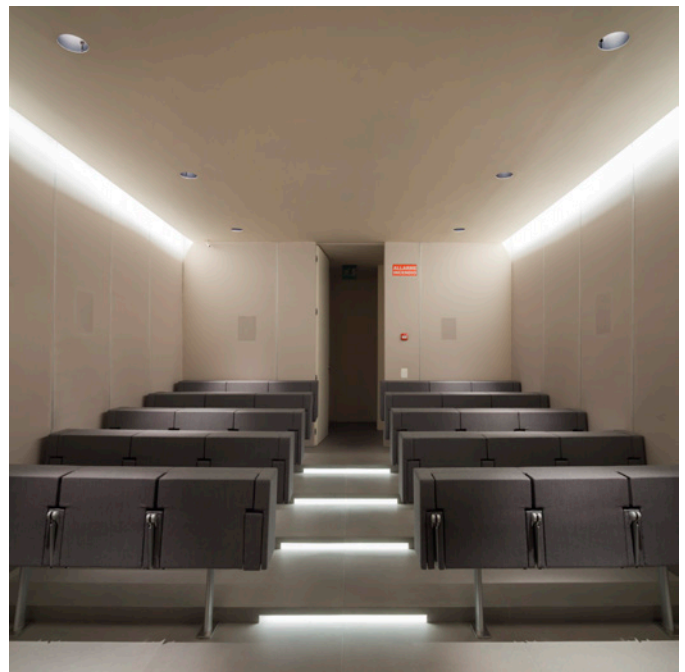
Peering through the large windows, it is clear that this is not just a shop of kitchens: the space inside gives us the idea of a real home, ready to welcome every new guest.



CONCEPT

This is the concept created by John Pawson, internationally renowned English interior designer in collaboration with Enrico Longoni, a refined and comforta-

ble meeting place for clients, architects, designers and visitors, but also much more, designing an environment that suggests a whole life style.



PRODUCTS

Beta, Moduled

The technological upgrading of the linear sources has seen the replacement of the old fluorescent lamps installed in the luminous grooves of all rooms with Beta LED bars, equipped

with high emission modules of the Moduled series. Each area is dimmable through the use of drivers with 0-10V control, all managed by a centralized control system.





BAJRANG PERSHAD

HYDERABAD, 2017



INTERIOR DESIGN
Aamir & Hameeda

“Naveen and Shilpa from L Bajrang Per-shad Jewellers approached us to create a Jewellery store for them. They asked us to renovate and restore an old structure into a fully functional jewellery

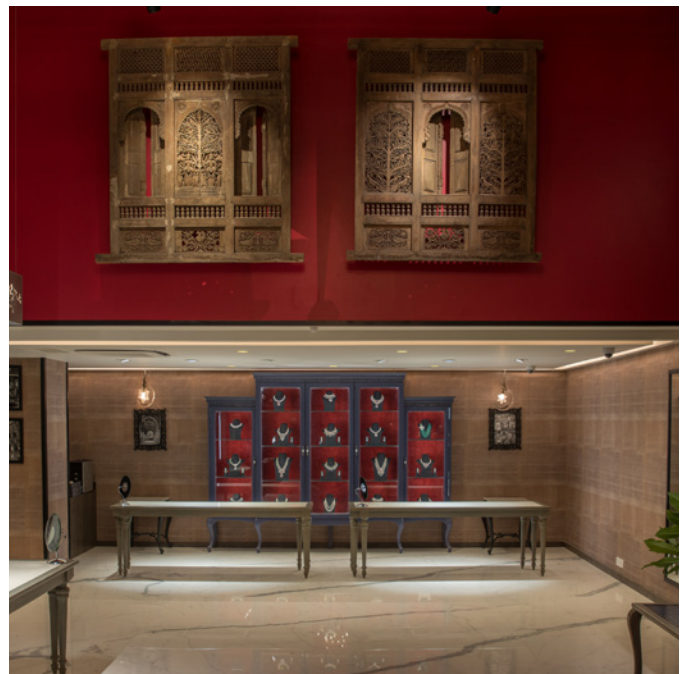
store. The brief was to design the entire store in a mythological theme. In India, it is a well documented fact that jewellery is related to all religions and auspicious occasions.”



MITHOLOGY

“We decided to combine these two elements, to capture the grandiose of it all. The inspiration of the entire design was “Nandi” (the abode of Lord Shiva which

is usually depicted as a bull) and the same is highlighted in the entire theme of this store. The final outcome - mesmerizing.”



PRODUCTS Custom

The lighting of the cases required the use of led modules with high CRI, in order to have the best colour rendering of precious stones and metals. Custom

suspensions have also been installed, positioned above the sales staff tables, equipped with modules with double colour temperature.





HUB ZERO

DUBAI, 2016

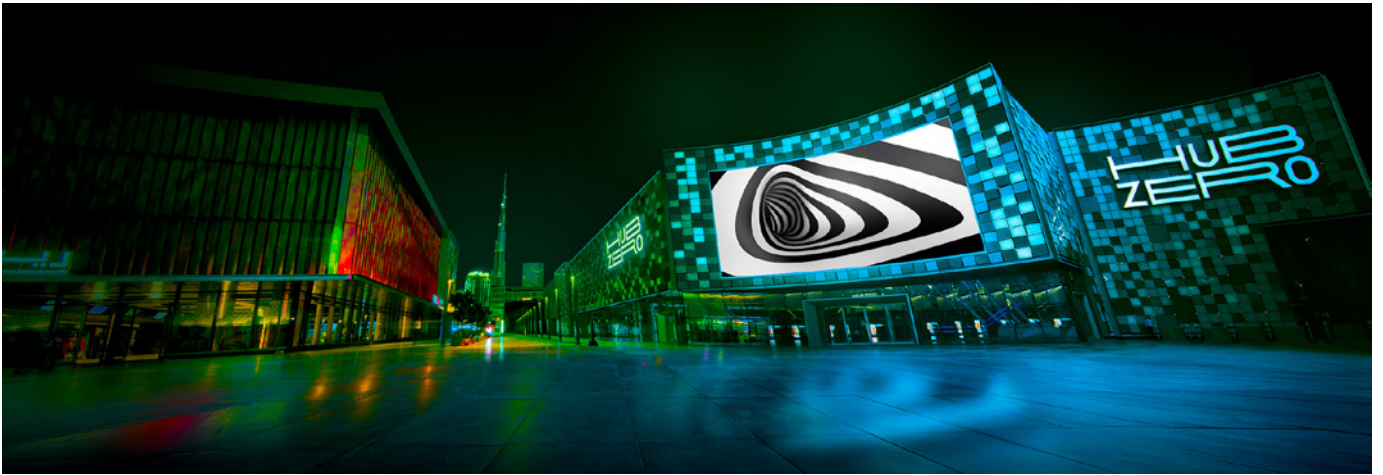


LIGHTING DESIGN
Cinmar Lighting

Spread over two floors, the 16,000 sqm state-of-the-art themed arcade features a virtual arena and a wide array of interactive video game rides located at City Walk in Dubai. Working in close collaboration with video game developers, the client wanted

a high-tech futuristic arcade. It consists of a ground floor that features 18 attractions powered by artificial intelligence, and mezzanine area that offers a gaming zone with real-time engines that run largescale simulators for popular games.





PRODUCTS

An impressive variety of different settings for each attraction has required a large use of rigid and flexible led linear modules, in order to create evocative environments characterized by colour scenography. For the entire indoor pro-

ject has been used over 1800m of profiles and led modules, either in white tones and RGB. To emphasize objects and specific areas, around 500 track lights have been installed in the general areas.



CONTROL UNIdrive

All lighting fixtures are controlled via DMX protocol and managed by central units for each attraction. An important quantity of UNIsplit splitters and UNIdrive DMX drivers are installed to ensure

the optimal and delay-free lighting control, thanks to the 16bit output driving which guarantee an excellent control fluidity.





SALA D'ARMI

POLDI PEZZOLI MUSEUM, MILAN, 2016



EXHIBITION PROJECT
Arnaldo Pomodoro

"In my project for the Sala d'Armi the elements of my language of abstract expressionism have gradually become arranged in a sort of "fantastic sky": almost as if the weapons (placed in the walls) were actually contested by the great warriors, in

the grip of their passion." So the sculptor Arnaldo Pomodoro describes the Sala d'Armi, reopened to the public in 2000, whose innovative museum intervention hosts one of the most important European collections.



LIGHTING DESIGN

arch. Cinzia Ferrara

The restyling of the overall lighting of the hall and of the display windows, inaugurated on the occasion of the master's 90 years, celebrations has been designed to highlight the prestigious weapons and armor, enhance every single detail of the beautiful decorations and further enhance the suggestive installation of the master. A substitution of the light sources inside the showcases was made, increasing the levels of illumination, so as to allow a more accurate vision of the weapons on dis-

play, giving more vivacity and theatre to the group, lined up on the bottom and greater emphasis on the low and long central showcase, the so-called "splinter". In the showcases there are no captions next to the historical artefacts, a precise design choice to leave great space to the direct and personal relationship of the visitor with the charm of real works of art. Light therefore becomes the most important and suggestive tool to excite the visitor.



PRODUCTS

XL16, BETA profile,
DELTA profile

For the top lighting of the so-called "splinter", XL16 products were used, integrated along the characteristic sculpture of Pomodoro on the ceiling of the room, creating effects of light and shadow that mark the visitor's experience inside the hall. The longitudinal currents on which the vault is set are illuminated

by BETA profiles, laid down and concealed. Along the sides of the room, carved in niches in stone, 12 showcases contain the most precious objects, illuminated by DELTA profiles, which concentrate the light in a narrow beam illuminating the surfaces in radiance creating up/ down lines of light.

CORTILE CON NEVE
LUCERTOLE INFREDDOLITE
FOGLIE DI UNA PIANTA USATE COME C
NOME LATINO DELLA PIANTA



"FREUD" PICCOLO TEATRO

MILAN, 2018



CIBO

DREAM

«It is a Bible of our contemporaneity: the story of the man who decides to clarify looking inward». This is how the author Stefano Massini explains the elaboration for the *Piccolo* of Freud's main work. For the director Federico

Tiezzi it is «an adventure of thought and language: we are witnessing the exciting and gradual discovery of an interpretative method of the world, not just of the dream».

LAMPADA FIENO GIOCO CASA FUOCO GHIACCIO FANGO ACQUA



LAMPADA FIENO GIOCO CASA FUOCO GHIACCIO FANGO ACQUA



LAMPADA FIENO GIOCO CASA FUOCO GHIACCIO FANGO ACQUA



CORTILE CON NEVE
LUCERTOLE INFREDDOLITE
FOGLIE DI UNA PIANTA USATE COME CIBO
NOME LATINO DELLA PIANTA



PRODUCTS

The realization of the written characters with thin and sharp lines was carried out through the use of Spline product.



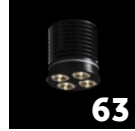
FUTUROLUCE

INTERIORS

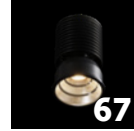
SPOTLIGHTS 59



mL11



mL16



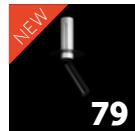
pL16



sJ16

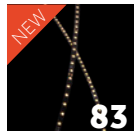


xL16

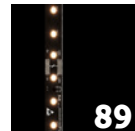


Pop-out

LINEAR 83



Easyled



Moduled



Flexi



Profiles



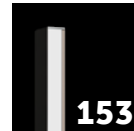
Ray



Groove IN



Groove

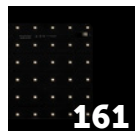


Groove HP

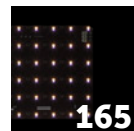
BACKLIGHT MODULES 157



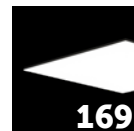
Cooledge



Matrix

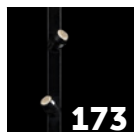


Matrix RGBW

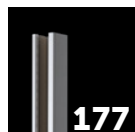


Surface

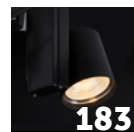
TRACK SYSTEMS 173



Click



Unipro



Jazz



Soul



ML11

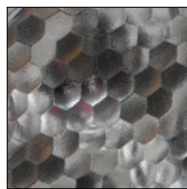
APPLICATIONS

The ML11 series is developed as an alternative retrofit to the 35 mm halogen LED lamps, and combines reduced dimensions with a high-level performance. Typical application areas are home and residential, both integrated in ceilings or furniture, or retail sales areas. The installation with remote power supply ensures its long life. It is possible to connect several modules to the same power supply.



FEATURES

- High efficiency (>120 lm/W)
- ANSI compliant binning, 2 step MacAdams ellipse for each individual lot
- Excellent lumen maintenance and colour stability over time
- Extensive dimming - fully dimmable, with external dimmer
- IP20 protection rating
- Long life and low maintenance costs
- Ecological, no disposal restrictions



Lens



Heat-sink

SPECIFICATIONS

Performance

LED type	High power
LED nr. and model	3x CREE XP-E / XP-G
Total lumen output (at 85°C)	Up to 380 lm
Colour temperature	2800 - 3200 - 4200 - 5500K
Binning	2 step MacAdam ellipses
CRI	>90 (2800 - 3200 K), >80 (4200 - 5500 K)
Other colours	On request

Electrical

Supply type	Constant current
Supply value	350 mA
Maximum power consumption	3,6 W
Connection	Cable 2x0.5 mmq L=0,5 m

Physical

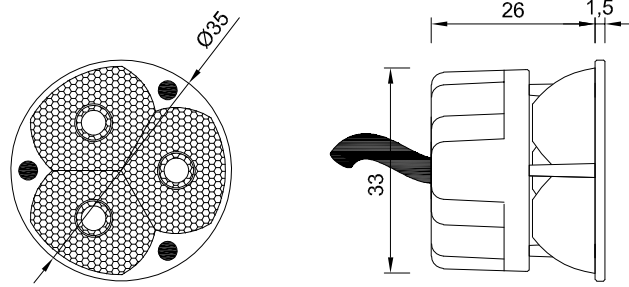
Body material	Aluminium
Body finish	Painted
Optic material	PMMA
Optic type	TIR
Screen material	n.a.
Dissipation	Passive
Protection rating	IP20
Class	III
Weight	0,05 Kg
Dimensions	See technical drawing
Operating temperature range	-25 / +70 °C
MTBF (LM80)	50.000 hrs
Mounting	Recessed with accessories

HOW TO ORDER

Model ▼	LED nr. ▼	Supply ▼	Optic ▼	Colour ▼
mL11	03	350	UUU	UUU
mL11 ML11	03 3 LED	350 350 mA	010 10° 021 21° 040 40°	WW2 Warm white 2800K WW3 Warm white 3200K NW4 Neutral white 4200K CW5 Cold white 5500K

Order code example: **mL11-03350021WW2**

TECHNICAL DRAWING



ACCESSORIES

Spotlights



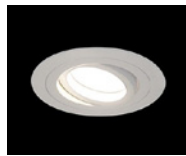
Recessed light with round flange diam. 57 mm,
cut out diam. 50 mm, white matte finish

CMP00648



Recessed light with round flange diam. 57 mm,
cut out diam. 50 mm, brushed nickel finish

CMP00649



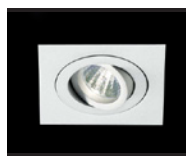
Recessed adjustable light with round flange diam. 75 mm,
cut out diam. 66 mm, white matte finish

CMP00650



Recessed adjustable light with round flange diam. 75 mm,
cut out diam. 66 mm, brushed nickel finish

CMP00651



Recessed adjustable light with square flange dim. 75x75 mm,
cut out diam. 66 mm, white matte finish

CMP00652



Recessed adjustable light with square flange dim. 75x75 mm,
cut out diam. 66 mm, brushed nickel finish

CMP00653



ML16

APPLICATIONS

The ML16 is a multiLED source with high-level performance. It is a widely used product specifically developed as an alternative retrofit to 50 mm halogen lamp spotlight. It is perfectly suitable for all those situations where high light output and flexibility to choose different secondary optics are needed, as the design requires. Typical application fields are retail sales areas and museums. The careful design of the heat-sink body is the distinctive characteristic of this product, which guarantees a high and stable performance over its lifespan.



FEATURES

High efficiency (>120 lm/W)

ANSI compliant binning, 2 step MacAdams ellipse for each individual lot

Excellent lumen maintenance and colour stability over time

Extensive dimming - fully dimmable, with external dimmer

IP20 protection rating

Long life and low maintenance costs

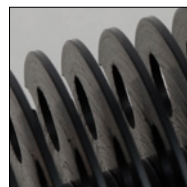
Ecological, no disposal restrictions



Flange



Lens



Heat-Sink

SPECIFICATIONS

Performance

LED type	High power
LED nr. and model	4x CREE XP-E o XP-G
Total lumen output (at 85°C)	Up to 800 lm
Colour temperature	2800 - 3200 - 4200 - 5500K
Binning	2 step MacAdam ellipses
CRI	>90 (2800 - 3200 K), >80 (4200 - 5500 K)
Other colours	On request

Electrical

Supply type	Constant current
Supply value	350 / 700 mA
Maximum power consumption	9,6 W
Connection	Cable 2x0.5 mmq L=0,5 m

Physical

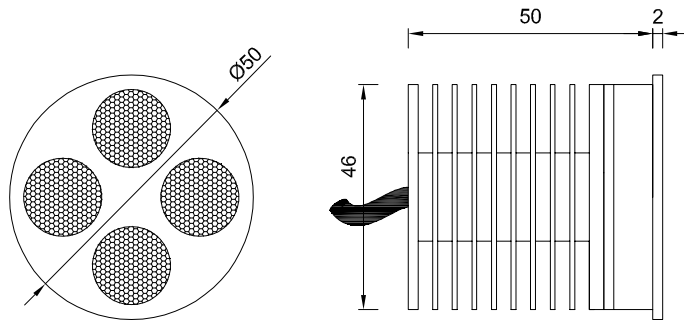
Body material	Corrosion-resistant aluminium
Body finish	Anodization
Optic material	PMMA
Optic type	TIR
Screen material	n.a.
Dissipation	Passive
Protection rating	IP20
Class	III
Weight	0,08 Kg
Dimensions	See technical drawing
Operating temperature range	-25 / +70 °C
MTBF (LM80)	50.000 ore
Mounting	Recessed with accessories

HOW TO ORDER

Model	LED nr.	Supply	Optic	Colour
mL16	04	700	UUU	UUU
mL16 ML16	04 4 LED	700 700 mA	010 10° 021 21° 039 39° 057 57° x44 10°x44°	WW2 Warm white 2800K WW3 Warm white 3200K NW4 Neutral white 4200K CW5 Cold white 5500K

Order code example: mL16-04700010WW2

TECHNICAL DRAWING



ACCESSORIES

Spotlights



Recessed comfort light with round flange diam. 85 mm,
cut out diam. 75 mm, white matte finish

CMP00607



Recessed light with round flange diam. 80 mm,
cut out diam. 70 mm, white matte finish

CMP00654



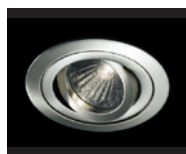
Recessed light with round flange diam. 80 mm,
cut out diam. 70 mm, brushed nickel finish

CMP00655



Recessed adjustable light with round flange diam. 89 mm,
cut out diam. 82 mm, white matte finish

CMP00656



Recessed adjustable light with round flange diam. 89 mm,
cut out diam. 82 mm, brushed nickel finish

CMP00657



Recessed adjustable light with square flange dim. 89x89mm,
cut out diam. 82 mm, white matte finish

CMP00658



Recessed adjustable light with square flange dim. 89x89 mm,
cut out diam. 82mm, brushed nickel finish

CMP00659



PL16

APPLICATIONS

The PL16 series was developed to deliver a reliable LED solution for replacing halogen lamps, but with single LED ARRAY instead of the usual multi LED. The key feature is the very high CRI, typically 97, which enables lighting technicians to realistically recreate the entire colour palette, for incredible and sophisticated lighting effects. This feature makes it an exclusive product for professionals in search of high performance without compromising the quality of light generated. The extremely wide range of uses include retail sales areas and hospitality environments, museums and architectural illumination.



FEATURES

High CRI

High efficiency (>120 lm/W)

ANSI compliant binning, 2 step MacAdams ellipse for each individual lot

Excellent lumen maintenance and colour stability over time

Extensive dimming - fully dimmable, with external dimmer

IP20 protection rating

Long life and low maintenance costs

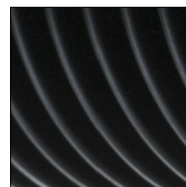
Ecological, no disposal restrictions



Reflector



LED



Heat-sink

SPECIFICATIONS

Performance

LED type	COB
LED nr. and model	1x Bridgelux Vero
Total lumen output (at 85°C)	Up to 1200 lm
Colour temperature	2700 - 3000 - 3500 - 4000 - 5500 K
Binning	2 step MacAdam ellipses
CRI	>90
Other colours	n.a.

Electrical

Supply type	Constant current
Supply value	350 / 500 mA
Maximum power consumption	5 / 10 W
Connection	Cable 2x0.5 mmq L=0,5 m

Physical

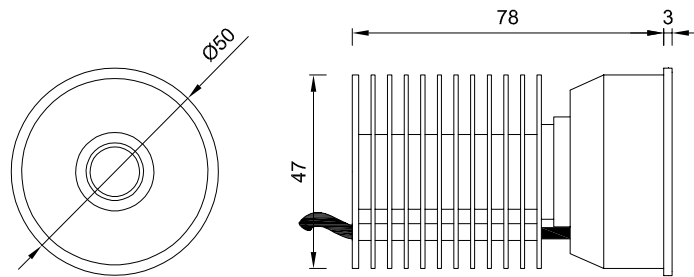
Body material	Anti-corrosion aluminium
Body finish	Anodization
Optic material	Metallized polycarbonate
Optic type	Reflector
Screen material	n.a.
Dissipation	Passive
Protection rating	IP20
Class	III
Weight	0,08 Kg
Dimensions	See technical drawing
Operating temperature range	-25 / +70 °C
MTBF (LM80)	50.000 hrs
Mounting	Recessed with accessories

HOW TO ORDER

Model	Power	Optic	Colour
▼	▼	▼	▼
pL16	---	---	---
pL16 PL16	05W 5 W 10W 10 W	R24 Reflector 24° R32 Reflector 32° R50 Reflector 50°	K27 Warm white 2700K K30 Warm white 3000K K35 Warm white 3500K K40 Neutral white 4000K K55 Cold white 5500K

Order code example: pL16-10WR24K40

TECHNICAL DRAWING



ACCESSORIES

Spotlights



Recessed comfort light with round flange diam. 85 mm, assembly hole diam. 75 mm, white matte finish

CMP00660



Recessed light with round flange diam. 80 mm, assembly hole diam. 70 mm, white matte finish

CMP00654



Recessed light with round flange diam. 80 mm, assembly hole diam. 70 mm, brushed nickel finish

CMP00655



Recessed adjustable light with round flange diam. 89 mm, assembly hole diam. 82 mm, white matte finish

CMP00656



Recessed adjustable light with round flange diam. 89 mm, assembly hole diam. 82 mm, brushed nickel finish

CMP00657



Recessed adjustable light with square flange dim. 89x89 mm, assembly hole diam. 82 mm, white matte finish

CMP00658



Recessed adjustable light with square flange dim. 89x89 mm, assembly hole diam. 82mm, brushed nickel finish

CMP00659



SJ16

APPLICATIONS

The SJ16 series is characterized by a single LED source with high-level performance. For this reason, it is a widely used product specifically developed as an alternative to the retrofit 50 mm halogen spots. It is perfectly suitable for all those situations where are needed high light output, flexibility to choose narrow secondary optics, and the ease of installation. Due to the constant voltage power input, it offer the possibility to connect several modules in parallel to the same power supply. The main feature is the single optic that solves the issue of multiple shadows normally resulting from multi-optical products. Typical application areas are retail sales areas and museums. The careful design of the heat-sink body is the distinctive characteristic of this product, which guarantees a high and stable performance over its lifespan.



FEATURES

High efficiency (>120 lm/W)

ANSI compliant binning, 2 step MacAdams ellipse for each individual lot

Excellent lumen maintenance and colour stability over time

Extensive dimming - fully dimmable, with external dimmer

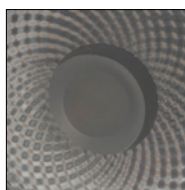
IP20 protection rating

Long life and low maintenance costs

Ecological, no disposal restrictions



Body



Lens



Heat-sink

SPECIFICATIONS

Performance

LED type	High power
LED nr. and model	1x CREE XHP-70
Total lumen output (at 85°C)	Up to 1300 lm
Colour temperature	2800 - 3200 - 4200 - 5500 K
Binning	2 step MacAdam ellipses
CRI	>90 (2800 - 3200 K), >80 (4200 - 5500 K)
Other colours	n.a.

Electrical

Supply type	Constant voltage
Supply value	24 Vdc
Maximum power consumption	5 / 10 W
Connection	Cable 2x0.5mmq L=0,5 m

Physical

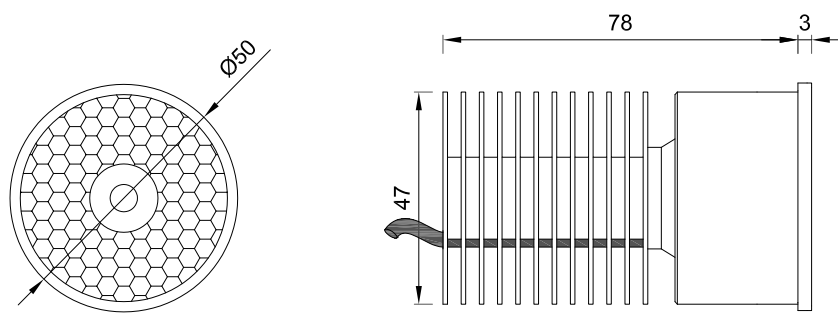
Body material	Anti-corrosion aluminium
Body finish	Anodization
Optic material	PMMA
Optic type	TIR
Screen material	n.a.
Dissipation	Passive
Protection rating	IP20
Class	III
Weight	0,1 Kg
Dimensions	See technical drawing
Operating temperature range	-25 / +70 °C
MTBF (LM80)	50.000 hrs
Mounting	Recessed with accessories

HOW TO ORDER

Model	Power	Optic	Colour
▼	▼	▼	▼
sj16	UUU	UUU	UUU
sj16 SJ16	05W 5W 10W 10W	006 6° 020 20° 035 35°	K27 Warm white 2700K K30 Warm white 3000K K35 Warm white 3500K K40 Neutral white 4000K K55 Cold white 5500K

Order code example: **sj16-10W020K40**

TECHNICAL DRAWING



ACCESSORIES

Spotlights



Recessed comfort light with round flange diam. 85 mm, assembly hole diam. 75 mm, white matte finish

CMP00660



Recessed light with round flange diam. 80 mm, assembly hole diam. 70 mm, white matte finish

CMP00654



Recessed light with round flange diam. 80 mm, assembly hole diam. 70 mm, brushed nickel finish

CMP00655



Recessed adjustable light with round flange diam. 89 mm, assembly hole diam. 82 mm, white matte finish

CMP00656



Recessed adjustable light with round flange diam. 89 mm, assembly hole diam. 82 mm, brushed nickel finish

CMP00657



Recessed adjustable light with square flange dim. 89x89 mm, assembly hole diam. 82 mm, white matte finish

CMP00658



Recessed adjustable light with square flange dim. 89x89 mm, assembly hole diam. 82mm, brushed nickel finish

CMP00659



XL16

APPLICATIONS

The XL16 series is characterized by a single LED source with high-level performance. For this reason, it is a widely used product specifically developed as an alternative to the retrofit 50 mm halogen spots. It is perfectly suitable for all those situations where are needed high light output, flexibility to choose narrow secondary optics, and the ease of installation. Due to the constant voltage power input, it offer the possibility to connect several modules in parallel to the same power supply. The main feature is the single optic that solves the issue of multiple shadows normally resulting from multi-optical products. Typical application areas are retail sales areas and museums. The careful design of the heat-sink body is the distinctive characteristic of this product, which guarantees a high and stable performance over its lifespan.

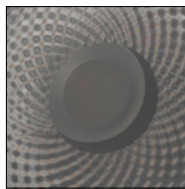


FEATURES

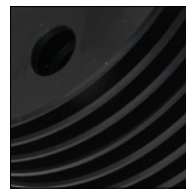
- High efficiency (>120 lm/W)
- ANSI compliant binning, 2 step MacAdams ellipse for each individual lot
- Excellent lumen maintenance and colour stability over time
- Extensive dimming - fully dimmable, with external dimmer
- IP20 protection rating
- Long life and low maintenance costs
- Ecological, no disposal restrictions



Body



Lens



Heat-Sink

SPECIFICATIONS

Performance

LED type	High power
LED nr. and model	1x CREE XHP-70
Total lumen output (at 85°C)	Up to 1500 lm
Colour temperature	2800 - 3200 - 4200 - 5500 K
Binning	2 step MacAdam ellipses
CRI	>90 (2800 - 3200 K), >80 (4200 - 5500 K)
Other colours	n.a.

Electrical

Supply type	Constant voltage
Supply value	24 Vdc
Maximum power consumption	10 / 15 W
Connection	Cable 2x0.5mmq L=0,5 m

Physical

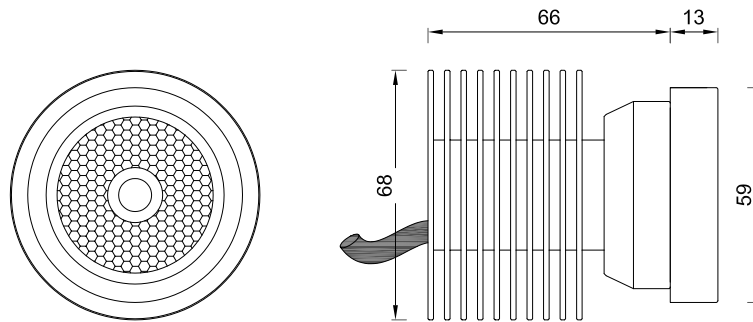
Body material	Anti-corrosion aluminium
Body finish	Anodization
Optic material	PMMA
Optic type	TIR
Screen material	n.a.
Dissipation	Passive
Protection rating	IP20
Class	III
Weight	0,2 Kg
Dimensions	See technical drawing
Operating temperature range	-25 / +70 °C
MTBF (LM80)	50.000 hrs
Mounting	Recessed with accessories

HOW TO ORDER

Model ▼	Power ▼	Optic ▼	Colour ▼
xL16	LLL	LLL	LLL
xL16 XL16	10W 10W 15W 15W	006 6° 020 20° 035 35°	WW2 Warm white 2800K WW3 Warm white 3200K NW4 Neutral white 4200K CW5 Cold white 5500K

Order code example: **xL16-15W006WW2**

TECHNICAL DRAWING



ACCESSORIES

Spotlights



Recessed light with round flange diam. 80 mm,
cut out diam. 70 mm, white matte finish

CMP00654



Recessed light with round flange diam. 80 mm,
cut out diam. 70 mm, brushed nickel finish

CMP00655



Recessed adjustable light with round flange diam. 89 mm,
cut out diam. 82 mm, white matte finish

CMP00656



Recessed adjustable light with round flange diam. 89 mm,
diam. 82 mm, brushed nickel finish

CMP00657



Recessed adjustable light with square flange dim. 89x89 mm,
cut out diam. 82 mm, white matte finish

CMP00658



Recessed adjustable light with square flange dim. 89x89 mm,
cut out diam. 82mm, brushed nickel finish

CMP00659



POP-OUT

APPLICATIONS

Pop-Out is a spotlight dedicated to the installation in plasterboard ceilings, divided into two components: the fixed body to be inserted beforehand into the plasterboard, and the removable luminous module which can be installed at a later stage. The product integrates a double function: in the upper position it is configured as trimless downlight, while once the light module is extracted it becomes an adjustable projector that can be rotated 360° and oriented by 75°. It is available in two power variants and in three color finishes.



FEATURES

- Trimless installation
- Completely removable luminous module
- High efficiency (>120 lm/W)
- ANSI compliant binning, 2 step MacAdams ellipses for each individual lot
- Excellent lumen maintenance and colour stability over time
- Extensive dimming - fully dimmable, with external dimmer
- IP20 protection rating
- Long life and low maintenance costs
- Ecological, no disposal restrictions



Recessed optic



Fixed body

SPECIFICATIONS

Performance

LED type	High power
LED nr. and model	1xCREE XHP35
Total lumen output (at 85°C)	Up to 1200 lm
Colour temperature	2700 - 3000 - 3500 - 4000 - 5000 K
Binning	2 step MacAdam ellipses
CRI	>90 (2800 - 3200 K), >80 (4200 - 5500 K)
Other colours	n.a.

Electrical

Supply type	Constant voltage
Supply value	24Vdc
Maximum power consumption	6 - 12W
Connection	Cable 2x0.5mmq L=0,5 m

Physical

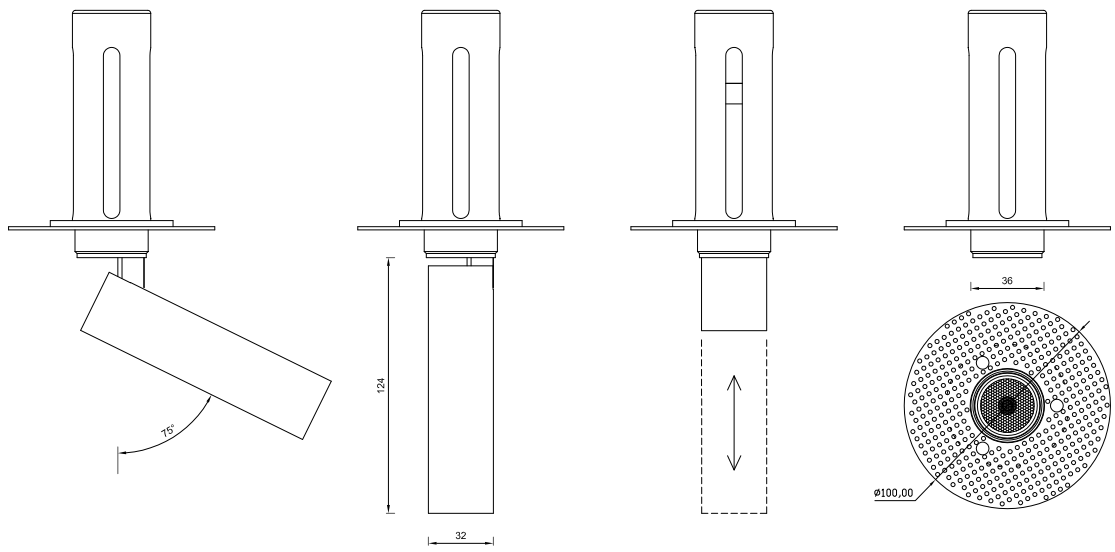
Body material	Anti-corrosion aluminium
Body finish	Painting
Optic material	PMMA
Optic type	TIR
Screen material	n.a.
Dissipation	Heat-pipe
Protection rating	IP20
Class	III
Weight	0,35 Kg
Dimensions	See technical drawing
Operating temperature range	-25 / +70 °C
MTBF (LM80)	50.000 hrs
Mounting	Trimless on gypsum boards

HOW TO ORDER

Model	Finishing	Power	Optic	Colour
▼	▼	▼	▼	▼
POP	UUU	UUU	UUU	UUU
POP POP-OUT	WHT White RAL 9010 BLK Black RAL 9004	06W 6 W 12W 12 W	011 11° 039 39° 070 70°	K27 Warm white 2700K K30 Warm white 3000K K35 Warm white 3500K K40 Neutral white 4000K K55 Cold white 5500K

Order code example: POP-WHT12W039K40

TECHNICAL DRAWING





EASYLED

APPLICATIONS

The linear modules of the Easyled series have been designed to offer a competitive solution in terms of price to performance ratio compared to Moduled's top range family. They are supplied in 5m reels and can easily be sectioned according to project needs, to be then integrated into the aluminum heatsink profiles directly on field. They are suitable for decorative and functional lighting of ceiling and wall grooves, and thanks to the 3 different configurations of luminous flux they are a very versatile product family. The 7led configuration per module raises its efficiency by around 15% compared to similar entry-level solutions available on the market.



FEATURES

High efficiency (>100 lm/W).

ANSI compliant binning

Extensive dimming range – fully dimmable.

IP20 protection rating

Long life and reduced maintenance costs.

Ecological, no disposal restrictions.



SPECIFICATIONS

Performance

LED type	Mid power
LED nr. and model	350 x Bridgelux 2835 (on a 5 m reel)
Total lumen output (at 85°C)	Up to 1600 lm/m
Beam angle	120°
Colour temperature	2300 - 2700 - 3000 - 4000 - 5500 K
Binning	Up to 3 step MacAdam ellipses
CRI	>80
Other colours	n.a.

Electrical

Supply type	Constant voltage
Supply value	24 Vdc
Current	3 A/5m (0,6 A/m)
Maximum power consumption	72 W/5m (14,4 W/m)

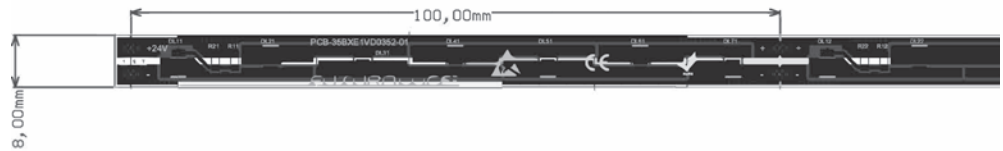
Physical

Lenght	5 m
Minimum cut	10 cm
Protection rating	IP20
Class	III
Weight	250 g/5m (50 g/m)
Dimensions	See technical drawing
Operating temperature range	-20 / +50°
MTBF (LM80)	50.000 ore
Mounting	Any position
ESD Protection	±2000 V
Notes	Thermo-conductive adhesive tape on the back

ELD-350014100

TECHNICAL DRAWING

1:1 SCALE



HOW TO ORDER

Model	LED nr./5m	Power	Minimum cut	Colour
ELD	350	014	100	□□□
ELD Easyled	350 350 LED/5m	014 14,4W/m	100 10 cm	K27 Warm white 2700K K30 Warm white 3000K K40 Neutral white 4000K K55 Cold white 5500K

Order code example: ELD-350014100K40



SPECIFICATIONS

Performance

LED type	Mid power
LED nr. and model	700 x Bridgelux 2835 (on a 5 m reel)
Total lumen output (at 85°C)	Up to 2400 / 3200 lm/m
Beam angle	120°
Colour temperature	2300 - 2700 - 3000 - 4000 - 5500 K
Binning	up to 3 step MacAdam ellipses
CRI	>80
Other colours	n.a.

Electrical

Supply type	Constant voltage
Supply value	24 Vdc
Current	4,5 A/5m (0,9 A/m) o 6A/5m (1,2 A/m)
Maximum power consumption	105 W/5m (21 W/m) o 144 W/5m (28 W/m)

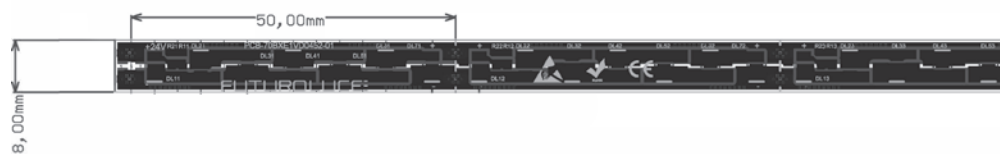
Physical

Lenght	5 m
Minimum cut	5 cm
Protection rating	IP20
Class	III
Weight	250 g/5m (50 g/m)
Dimensions	See technical drawing
Operating temperature range	-20 / +50°
MTBF (LM80)	50.000 hrs
Mounting	Any position
ESD Protection	±2000 V
Notes	Thermo-conductive adhesive tape on the back

ELD-700021050
ELD-700028050

TECHNICAL DRAWING

1:1 SCALE



HOW TO ORDER

Model ▼	LED nr./5m ▼	Power ▼	Minimum cut ▼	Colour ▼
ELD	700	□□□	050	□□□
ELD Easyled	700 700 LED/5m	021 21 W/m 028 28 W/m	050 5 cm	K27 Warm white 2700K K30 Warm white 3000K K40 Neutral white 4000K K55 Cold white 5500K

Order code example: **ELD-700021050K30**

MODULED

APPLICATIONS

The linear modules of the Moduled series have been designed for the functional lighting of ceiling grooves and wall alcoves, and for the accent lighting of any indoor situation. The different luminous flux configurations make the product extremely versatile and therefore able to be used in many applications. The chromatic selection in the different colour temperatures combined with the excellent design of the product make it irreplaceable for architects and lighting designers.



FEATURES

Modules interconnection with specific microconnector

High reliable electrical interconnection

ANSI compliant binning, 2 step MacAdams ellipse for each individual lot

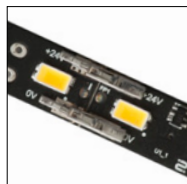
Excellent lumen maintenance and colour stability over time

Extensive dimming range - fully dimmable, with external dimmer

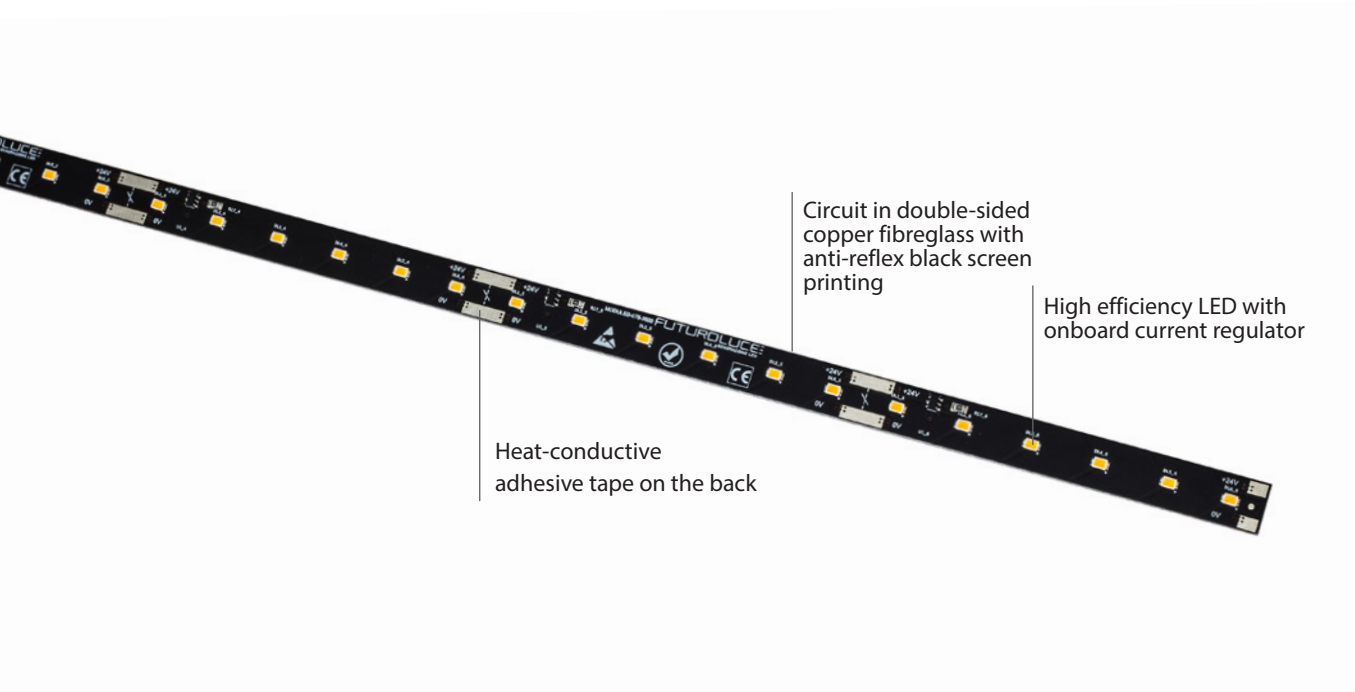
IP20 protection rating

Long life and low maintenance costs

Ecological and recyclable, no disposal restrictions



Microconnector



SPECIFICATIONS

Performance

LED type	Mid power
LED nr. and model	75 x Seoul 3020
Total lumen output (at 85°C)	Up to a 1500 lm/m
Beam angle	120°
Colour temperature	2300 - 2700 - 3000 - 4000 - 5500 K
Binning	2 step MacAdam ellipses
CRI	>90 (2700 - 3000 K), >85 (4000 K), >80 (2300 - 5500 K)
Other colours	n.a.

Electrical

Supply type	Constant voltage
Supply value	24 Vdc
Current	0,5 A/m
Maximum power consumption	12 W/m

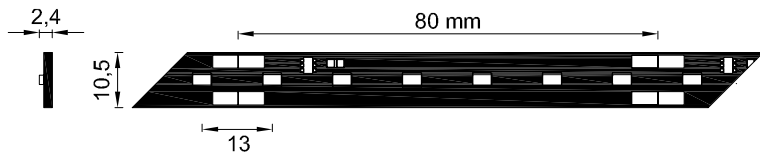
Physical

Length	80 mm
Protection rating	IP20
Class	III
Weight	50 g/m
Dimensions	See technical drawing
Operating temperature range	-40 / +70°
MTBF (LM80)	50.000 hrs
Mounting	Any position
ESD Protection	±2000 V
Notes	Thermo-conductive adhesive tape on the back, on board current regulator

MDL-0753020080

TECHNICAL DRAWING

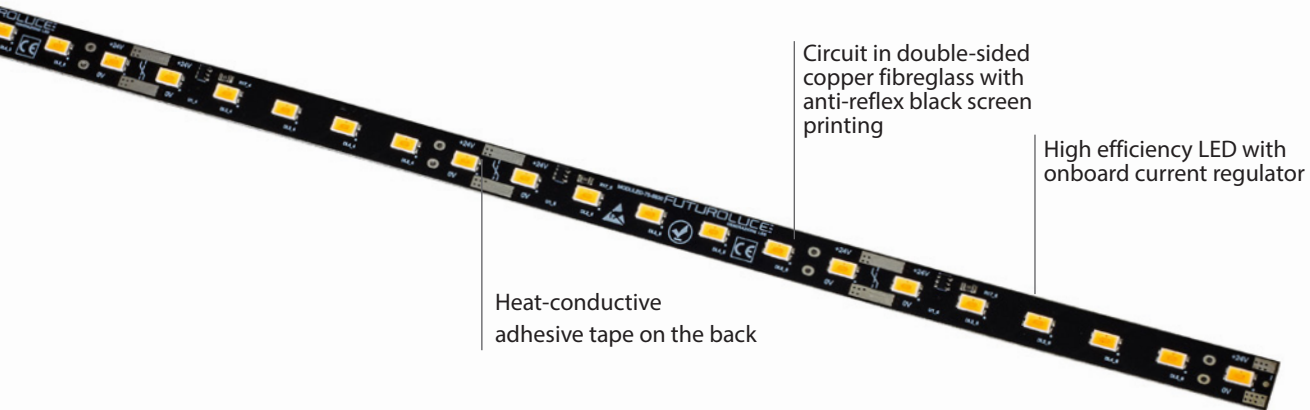
1:1 SCALE



HOW TO ORDER

Model	LED nr./m	LED type	Minimum cut	Colour
MDL	075	3020	080	□□□
MDL MODULED	075 75 LED/m	3020 Seoul 3020	080 80 mm	K27 Warm white 2700K K30 Warm white 3000K K35 Warm white 3500K K40 Neutral white 4000K K55 Cold white 5500K

Order code example: MDL-0753020080K23



SPECIFICATIONS

Performance

LED type	Mid power
LED nr. and model	75 x Seoul 5630
Total lumen output (at 85°C)	Up to 1700 lm/m
Beam angle	120°
Colour temperature	2300 - 2700 - 3000 - 4000 - 5500 K
Binning	2 step MacAdam ellipses
CRI	>90 (2700 - 3000 K), >85 (4000 K), >80 (2300 - 5500 K)
Other colours	n.a.

Electrical

Supply type	Constant voltage
Supply value	24 Vdc
Current	0,75 A/m
Maximum power consumption	18 W/m

Physical

Lenght	80 mm
Protection rating	IP20
Class	III
Weight	50 g/m
Dimensions	See technical drawing
Operating temperature range	-40 / +70°
MTBF (LM80)	50.000 hrs
Mounting	Any position
ESD Protection	±2000 V
Notes	Thermo-conductive adhesive tape on the back, on board current regulator

MDL-0755630080

TECHNICAL DRAWING

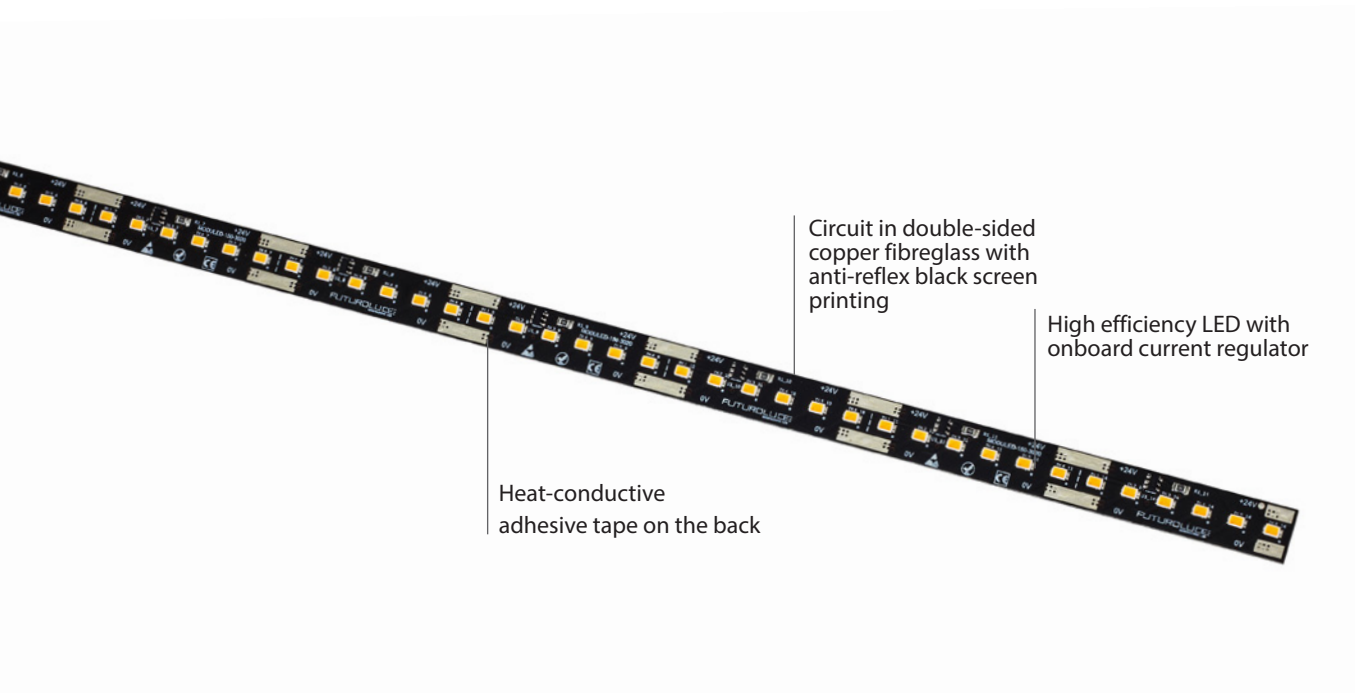
1:1 SCALE



HOW TO ORDER

Model	LED nr./m	LED type	Minimum cut	Colour
MDL	075	5630	080	□□□
MDL MODULED	075 75 LED/m	5630 Seoul 5630	080 80 mm	K27 Warm white 2700K K30 Warm white 3000K K40 Neutral white 4000K K55 Cold white 5500K

Order code example: MDL-0755630080K30



SPECIFICATIONS

Performance

LED type	Mid power
LED nr. and model	150 x Seoul 3020
Total lumen output (at 85°C)	Up to 2300 lm/m
Beam angle	120°
Colour temperature	2300 - 2700 - 3000 - 4000 - 5500 K
Binning	2 step MacAdam ellipses
CRI	>90 (2700 - 3000 K), >85 (4000 K), >80 (2300 - 5500 K)
Other colours	n.a.

Electrical

Supply type	Constant current
Supply value	24 Vdc
Current	24 W/m
Maximum power consumption	1 A/m

Physical

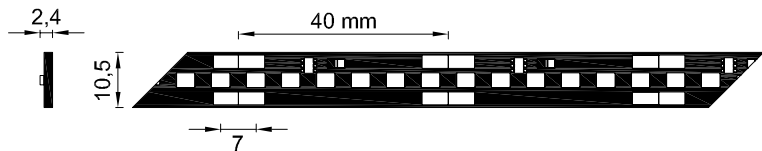
Length	40 mm
Protection rating	IP20
Class	III
Weight	50 g/m
Dimensions	See technical drawing
Operating temperature range	-40 / +70°
MTBF (LM80)	50.000 hrs
Mounting	Any position
ESD Protection	±2000 V

Notes Thermo-conductive adhesive tape on the back, on board current regulator

MDL-1503020040

TECHNICAL DRAWING

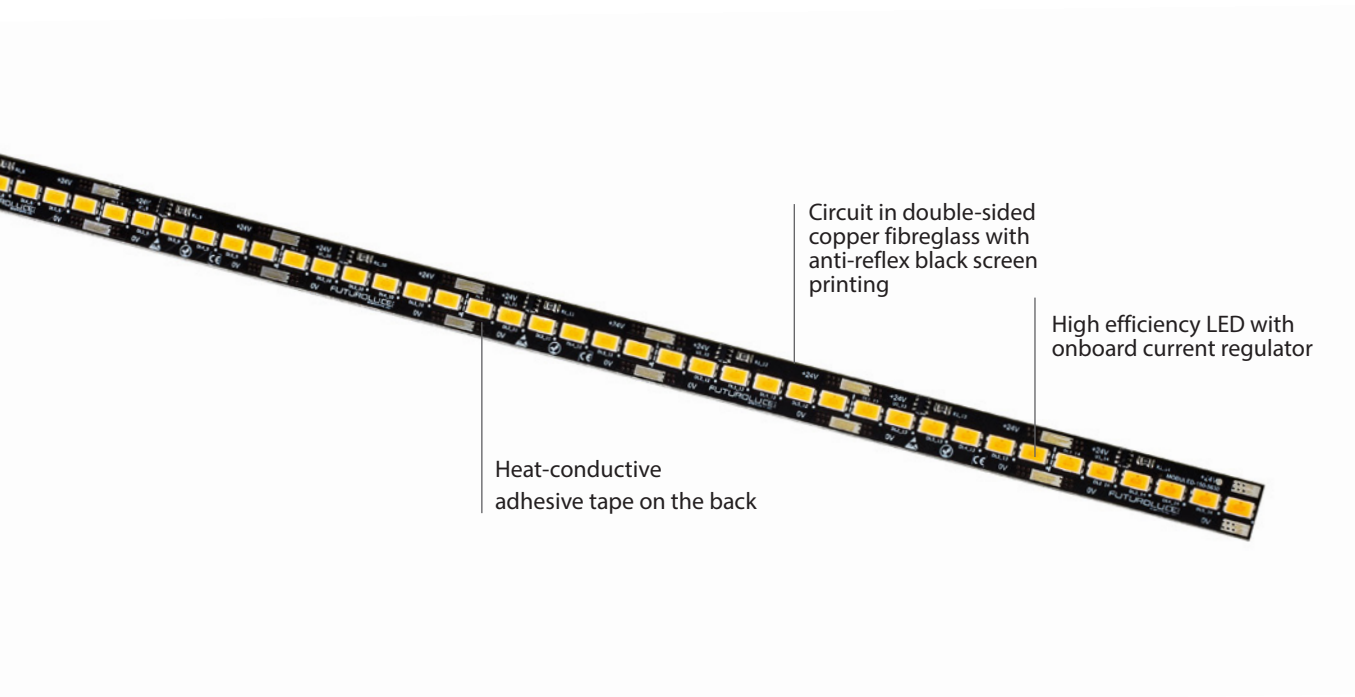
1:1 SCALE



HOW TO ORDER

Model	LED nr./m	LED type	Minimum cut	Colour
MDL	150	3020	040	□□□
MDL MODULED	150 150 LED/m	3020 Seoul 3020	040 40 mm	K23 Warm white 2300K K27 Warm white 2700K K30 Warm white 3000K K40 Neutral white 4000K K55 Cold white 5500K

Order code example: MDL-1503020040K55



SPECIFICATIONS

Performance

LED type	Mid power
LED nr. and model	150 x Seoul 5630
Total lumen output (at 85°C)	Up to 3400 lm/m
Beam angle	120°
Colour temperature	2300 - 2700 - 3000 - 4000 - 5500 K
Binning	2 step MacAdam ellipses
CRI	>90 (2700 - 3000 K), >85 (4000 K), >80 (2300 - 5500 K)
Other colours	n.a.

Electrical

Supply type	Constant voltage
Supply value	24 Vdc
Current	1,5 A/m
Maximum power consumption	36 W/m

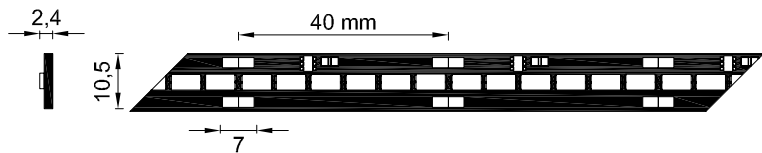
Physical

Lenght	40 mm
Protection rating	IP20
Class	III
Weight	50 g/m
Dimensions	See technical drawing
Operating temperature range	-40 / +70°
MTBF (LM80)	50.000 hrs
Mounting	Any position
ESD Protection	±2000 V
Notes	Thermo-conductive adhesive tape on the back, on board current regulator

MDL-1505630040

TECHNICAL DRAWING

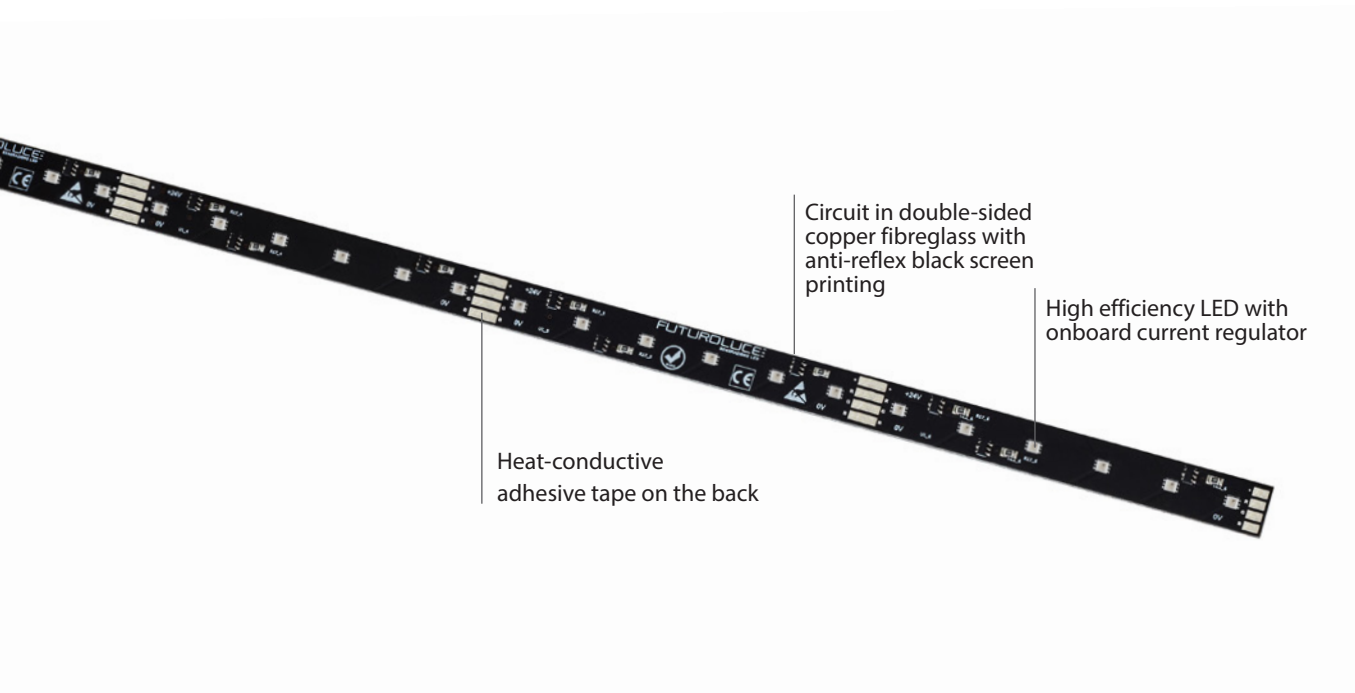
1:1 SCALE



HOW TO ORDER

Model	LED nr./m	LED type	Minimum cut	Colour
MDL	150	5630	040	□□□
MDL MODULED	150 150 LED/m	5630 Seoul 5630	040 40 mm	K27 Warm white 2700K K30 Warm white 3000K K40 Neutral white 4000K K55 Cold white 5500K

Order code example: MDL-1505630040K40



SPECIFICATIONS

Performance

LED type	Mid power
LED nr. and model	75 x Seoul 3528
Total lumen output (at 85°C)	Up to 562 lm/m
Minimum lumen output Red	190 lm/m
Minimum lumen output Green	270 lm/m
Minimum lumen output Blue	95 lm/m
Beam angle	120°

Electrical

Supply type	Constant voltage
Supply value	24 Vdc
Current	0,85 A/m
Maximum power consumption	20 W/m

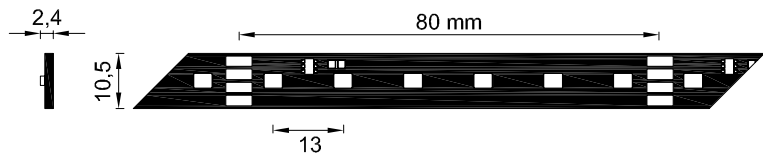
Physical

Minimum cut	80 mm
Protection rating	IP20
Class	III
Weight	50 g/m
Dimensions	See technical drawing
Operating temperature range	-40 / +70°
MTBF (LM80)	50.000 hrs
Mounting	Any position
ESD Protection	±2000 V
Notes	Thermo-conductive adhesive tape on the back, on board current regulator

MDL-0753528080RGB

TECHNICAL DRAWING

1:1 SCALE



HOW TO ORDER

Model	LED nr./m	LED type	Minimum cut	Colour
MDL	075	3528	080	RGB
MDL MODULED	075 75 LED/m	3528 Seoul 3528	080 80 mm	RGB RGB

Order code example: MDL-0753528080RGB



FLEXY

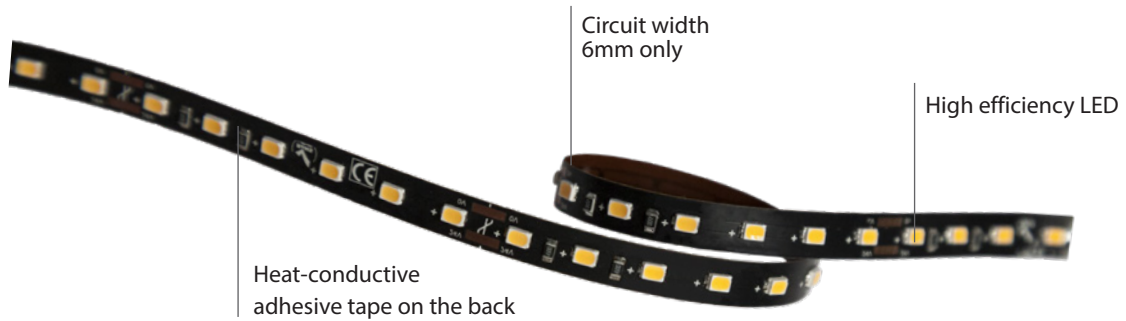
APPLICATIONS

The flexible modules of the Flexi series are designed for the functional lighting of curved grooves in ceiling and alcoves in walls and for the accent lighting of an indoor situation in which they have to follow an irregular line. Thanks to an extremely flexible, but fully resistant and reliable circuit, curved or shaped profiles can be illuminated with continuity. The chromatic selection in the different colour temperatures combined with the excellent design of the product make it irreplaceable for architects and lighting designers.



FEATURES

- High efficiency (>110 lm/W)
- ANSI compliant binning, 2 step MacAdams ellipse for each individual lot
- Excellent lumen maintenance and colour stability over time
- Extensive dimming range - fully dimmable, with external dimmer
- IP20 protection rating
- Long life and low maintenance costs
- Ecological and recyclable, no disposal restrictions



SPECIFICATIONS

Performance

LED type	High power
LED nr. and model	120 x Seoul 3020
Total lumen output (at 85°C)	Up to 1200 lm/m
Colour temperature	2300 - 2700 - 3000 - 4000 - 5500 K
Binning	2 step MacAdam ellipses
CRI	>90 (2700 - 3000 K), >85 (4000 K), >80 (2300 - 5500 K)
Other colours	n.a.
Beam angle	120°

Electrical

Supply type	Constant voltage
Supply value	24 Vdc
Current	0,5 A/m
Maximum power consumption	12 W/m

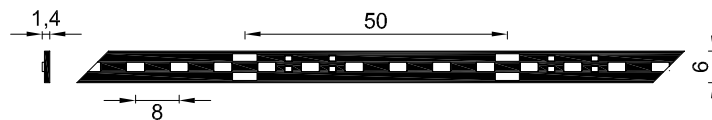
Physical

Minimum cut	50 mm
Protection rating	IP20
Class	III
Weight	50 g/m
Dimensions	See technical drawing
Operating temperature range	-40 / +70°
MTBF (LM80)	50.000 hrs
Mounting	Any position
ESD Protection	±2000 V
Notes	Thermo-conductive adhesive tape on the back

FLXS-1203020050

TECHNICAL DRAWING

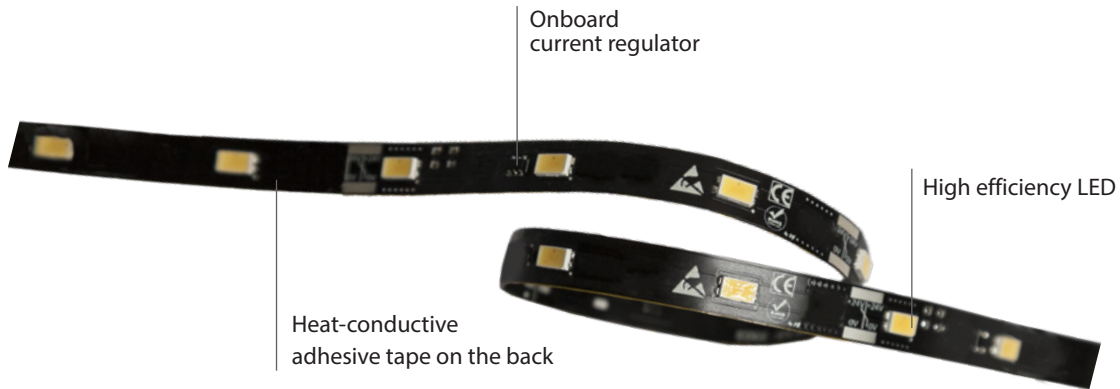
1:1 SCALE



HOW TO ORDER

Model	LED nr./m	LED type	Minimum cut	Colour
FLXS	120	3020	050	□□□
FLXS Flexi-120	120 120 LED/m	3020 Seoul 3020	050 50 mm	K23 Warm white 2300K K27 Warm white 2700K K30 Warm white 3000K K40 Neutral white 4000K K55 Cold white 5500K

Order code example: **FLXS-1203020050K40**



SPECIFICATIONS

Performance

LED type	Mid power
LED nr. and model	36 x Seoul 5630
Total lumen output (at 85°C)	Up to 600 lm/m
Colour temperature	2700 - 3000 - 4000 - 5500 K
Binning	2 step MacAdam ellipses
CRI	>90 (2700 - 3000 K), >85 (4000 K), >80 (5500 K)
Other colours	n.a.
Beam angle	120°

Electrical

Supply type	Constant voltage
Supply value	24 Vdc
Current	0,25 A/m
Maximum power consumption	6 W/m

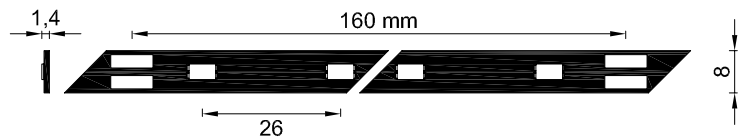
Physical

Minimum cut	160 mm
Protection rating	IP20
Class	III
Weight	50 g/m
Dimensions	See technical drawing
Operating temperature range	-40 / +70°
MTBF (LM80)	50.000 hrs
Mounting	Any position
ESD Protection	±2000 V
Notes	Thermo-conductive adhesive tape on the back, on board current regulator

FLX-0365630160

TECHNICAL DRAWING

1:1 SCALE



HOW TO ORDER

Model	LED nr./m	LED type	Minimum cut	Colour
FLX	036	5630	160	□□□
FLX Flexi	036 36 LED/m	5630 Seoul 5630	160 160 mm	K27 Warm white 2700K K30 Warm white 3000K K40 Neutral white 4000K K55 Cold white 5500K

Order code example: FLX-0365630160K40



SPECIFICATIONS

Performance

LED type	Mid power
LED nr. and model	75 x Seoul 5630
Total lumen output (at 85°C)	Up to 1700 lm/m
Colour temperature	2700 - 3000 - 4000 - 5500 K
Binning	2 step MacAdam ellipses
CRI	>90 (2700 - 3000 K), >85 (4000 K), >80 (5500 K)
Other colours	n.a.
Beam angle	120°

Electrical

Supply type	Constant voltage
Supply value	24 Vdc
Current	0,75 A/m
Maximum power consumption	18 W

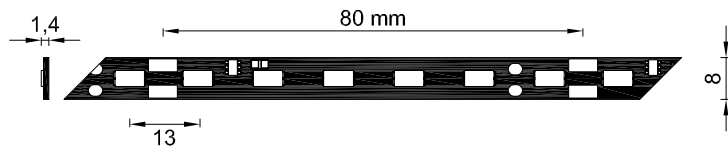
Physical

Minimum cut	80 mm
Protection rating	IP20
Class	III
Weight	50 g/m
Dimensions	See technical drawing
Operating temperature range	-40 / +70°
MTBF (LM80)	50.000 hrs
Mounting	Any position
ESD Protection	±2000 V
Notes	Thermo-conductive adhesive tape on the back, on board current regulator

FLX-0755630080

TECHNICAL DRAWING

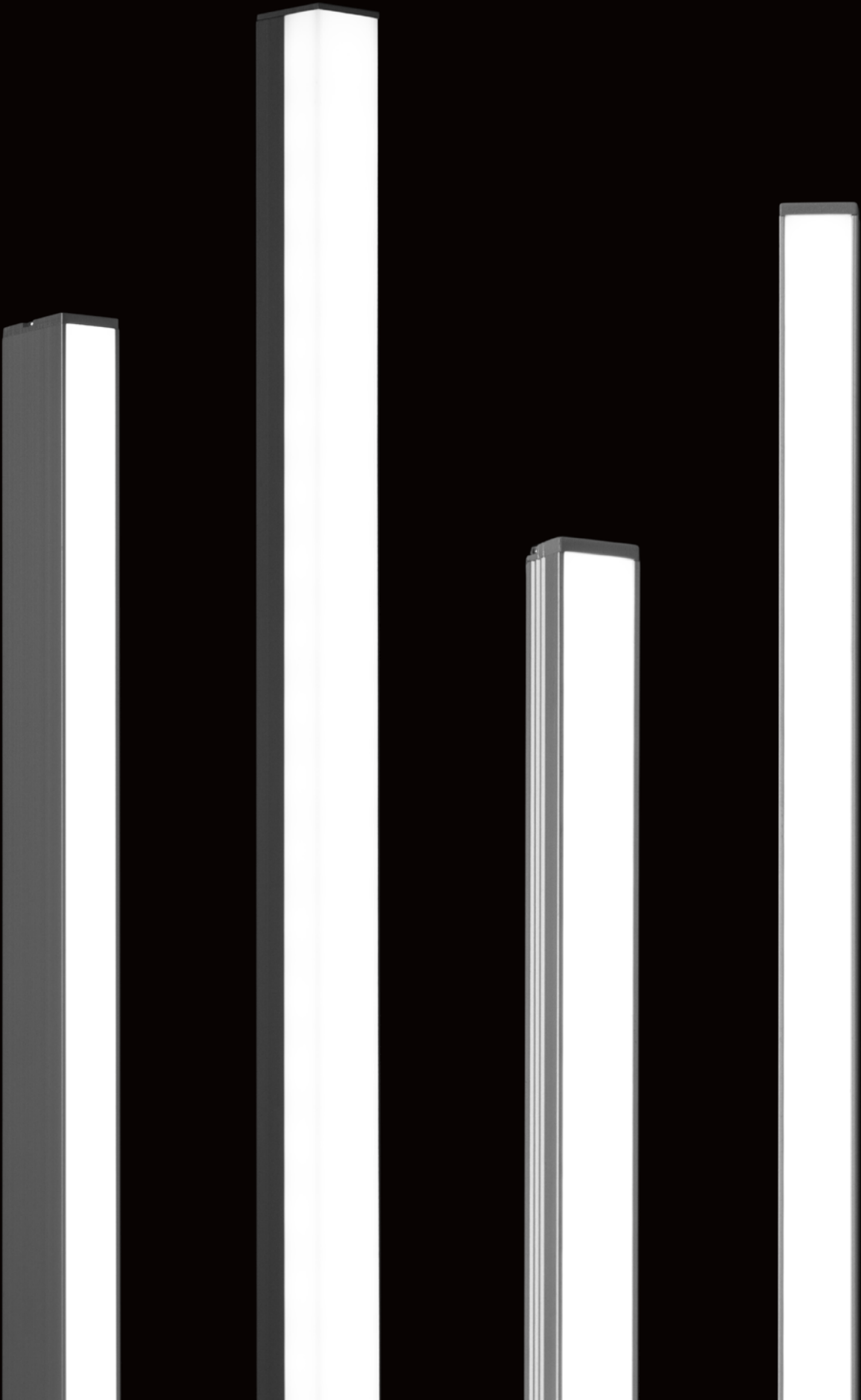
1:1 SCALE



HOW TO ORDER

Model	LED nr./m	LED type	Minimum cut	Colour
FLX	075	5630	080	
FLX Flexi	75 75 LED/m	5630 Seoul 5630	080 80 mm	K27 Warm white 2700K K30 Warm white 3000K K40 Neutral white 4000K K55 Cold white 5500K

Order code example: FLX-0755630080K30



PROFILES



SLOT-S



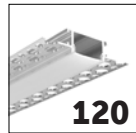
SLOT-IN



SLOT-OUT



SLOT-FR



SLOT-M



BLADE-1



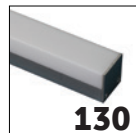
BLADE-2



MICRON



CORNER



ALFA



BETA



GAMMA

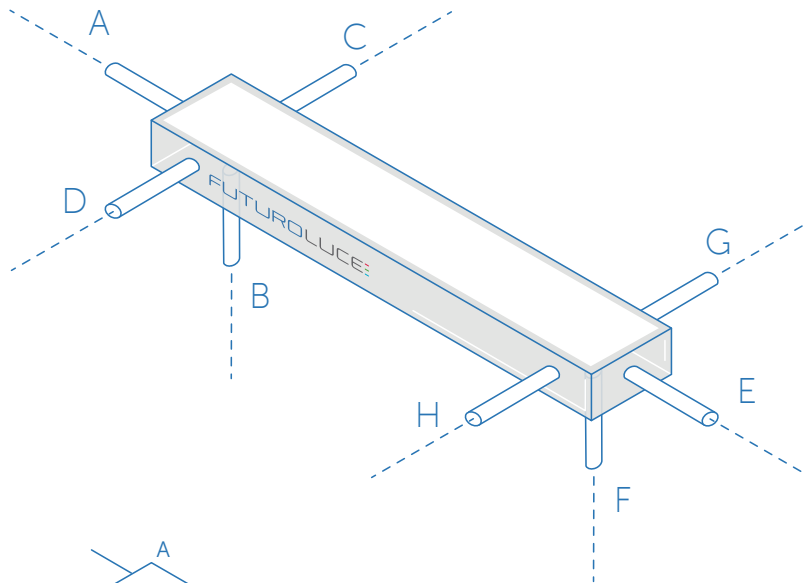


DELTA

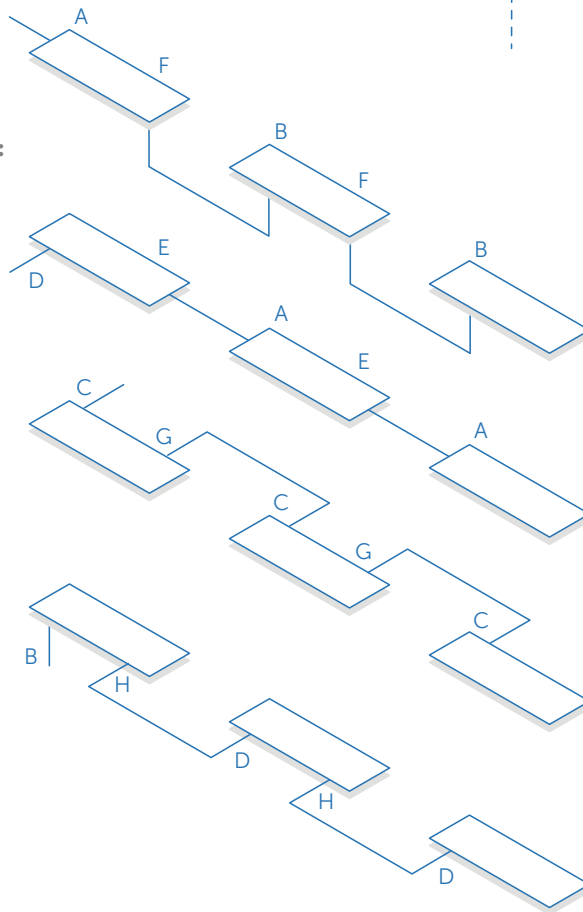


OMEGA

CABLE FEEDING GUIDE



POSSIBLE CONFIGURATIONS:



- CAV-A** STANDARD front feeding
- CAV-E** End feeding
- CAV-B** Bottom feeding
- CAV-F** Bottom feeding
- CAV-D** Right feeding
- CAV-H** Right feeding
- CAV-C** Left feeding
- CAV-G** Left feeding

NOTE:

The sketch shows the configuration possibilities of feeding cable. Please specify in each position of your order the correspondent code of the feeding cable position you want to have. Some configurations are not possible for the chosen profile, please check with our technical department at the e-mail address tecnico@futuraLuce.it

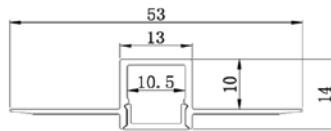
LED MODULES MATCHING CHART

	SLOT-S	SLOT-IN	SLOT-OUT	SLOT-FR	SLOT-M	BLADE-1	BLADE-2	MICRON	CORNER	ALFA	BETA	GAMMA	DELTA	OMEGA
ELD-350014100	•	•	•	•	•	•	•	•	•	•	•	•	•	•
ELD-700021050	•	•	•	•	•	•	•		•	•	•	•	•	•
ELD-700028050						•	•				•	•	•	•
MDL-0753020080						•	•		•	•	•	•	•	•
MDL-0755630040						•	•		•	•	•	•	•	•
MDL-1503020040						•	•		•	•	•	•	•	•
MDL-1505630040						•	•			•	•	•	•	•
MDL-0753528080RGB	•	•	•	•	•	•	•		•	•	•	•	•	•
FLXS-1203020050	•	•	•	•	•	•	•	•	•	•	•	•	•	•
FLX-0365630160						•	•		•	•	•	•	•	•
FLX-0755630080						•	•		•	•	•	•	•	•

POTTING MATCHING CHART

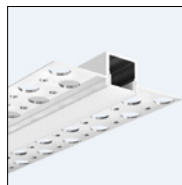
	SLOT-S	SLOT-IN	SLOT-OUT	SLOT-FR	SLOT-M	BLADE-1	BLADE-2	MICRON	CORNER	ALFA	BETA	GAMMA	DELTA	OMEGA
CMF	•	•	•	•	•	•	•	•	•	•	•	•	•	•
RES-CLR										•	•	•	•	•
RES-WHT										•	•	•	•	•
RES-HD-CLR											•	•	•	•
RES-HD-WHT											•	•	•	•

TECHNICAL DRAWING



HOW TO ORDER

Model	Cover type	Lenght
SLOT-S	LWH	
SLOT-S Slot-S	LWH with opal cover	050 up to 50 cm 100 over 50 to 100 cm 150 over 100 to 150 cm 200 over 150 to 200 cm 250 over 200 to 250 cm 300 over 250 to 300 cm



With opal cover

Order code example: **SLOT-S-LWH150**
 Note: cable feeding to be made during installation.

SLOT-S

APPLICATIONS

Slot-S trimless aluminium profile has been specifically designed to create light cuts into plasterboards walls and ceilings. The light emission has a width of only 11mm that allows to create defined continuous lines.



FEATURES

Trimless element
Easy mounting on plasterboard
Light emission width of only 11mm

SPECIFICATIONS

Physical

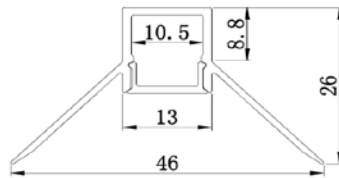
Body material	Aluminium
Body finish	Anodizaion
Screen material	PMMA
Protection rating	IP20
Weight	0,20 Kg/m
Mounting	Trimless on plasterboard

ACCESSORIES

Mounting kit and potting options

End caps kit (2 pcs.)	CMP01157
Comformal coating	CMF

TECHNICAL DRAWING



HOW TO ORDER

Model	Cover type	Lenght
SLOT-IN	LWH	
SLOT-IN Slot-IN	LWH with opal cover	050 up to 50 cm 100 over 50 to 100 cm 150 over 100 to 150 cm 200 over 150 to 200 cm 250 over 200 to 250 cm 300 over 250 to 300 cm



With opal cover

Order code example: **SLOT-IN-LWH250**

Note: cable feeding to be made during installation.

SLOT-IN

APPLICATIONS

Slot-IN trimless aluminium profile has been design to create light lines in the internal conjunction of two plasterboards panels. The trimless installation make it a very interesting element that split the surfaces continuity through a slim cut of light with a width of only 11mm.



FEATURES

Trimless element
Easy mounting on plasterboard
Light emission width of only 11mm

SPECIFICATIONS

Physical

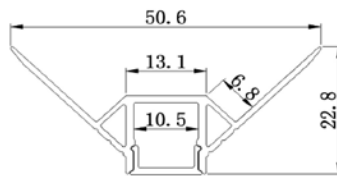
Body material	Aluminium
Body finish	Anodization
Screen material	PMMA
Protection rating	IP20
Weight	0,20 Kg/m
Mounting	Trimless on plasterboard

ACCESSORIES

Mounting kit and potting options

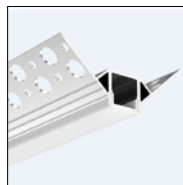
End caps kit (2 pcs.)	CMP01158
Comformal coating	CMF

TECHNICAL DRAWING



HOW TO ORDER

Model	Tipo di cover	Lunghezza
SLOT-OUT	LWH	
SLOT-OUT Slot-OUT	LWH with opal cover	050 up to 50 cm 100 over 50 to 100 cm 150 over 100 to 150 cm 200 over 150 to 200 cm 250 over 200 to 250 cm 300 over 250 to 300 cm



With opal cover

Order code example: **SLOT-OUT-LWH300**
 Note: cable feeding to be made during installation.

SLOT-OUT

APPLICATIONS

Slot-OUT trimless aluminium profile has been design to create light lines in the external conjunction of two plasterboards. The trimless installation make it a very interesting element that split the surfaces continuity through a slim cut of light with a width of only 11mm.



FEATURES

Trimless element
Easy mounting on plasterboards
Light emission width of only 11mm

SPECIFICATIONS

Physical

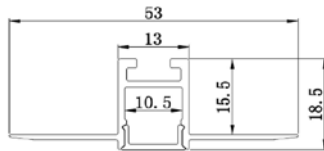
Body material	Aluminium
Body finish	Anodization
Screen material	PMMA
Protection rating	IP20
Weight	0,20 Kg/m
Mounting	Trimless on plasterboard

ACCESSORIES


Mounting kit and potting options

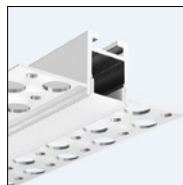
End caps kit (2 pcs.)	CMP01159
Comformal coating	CMF

TECHNICAL DRAWING



HOW TO ORDER

Model ▼	Cover type ▼	Lenght ▼
SLOT-FR	LWH	
SLOT-FR Slot-FR	LWH with opal cover	050 up to 50 cm 100 over 50 to 100 cm 150 over 100 to 150 cm 200 over 150 to 200 cm 250 over 200 to 250 cm 300 over 250 to 300 cm



With opal cover

Order code example: **SLOT-FR-LWH200**

Note: cable feeding to be made during installation.

SLOT-FR

APPLICATIONS

Slot-FR profile has been designed to realize complex polygonal light geometries to be integrated into plasterboard ceilings and walls. Through the use of the dedicated mounting kit with different gradient from 30° to 180°, it is possible to joint and pre-assemble several elements to create endless configurations of the lighted element.



FEATURES

Trimless element
Easy mounting on plasterboard
Light emission width of only 11mm

SPECIFICATIONS

Physical

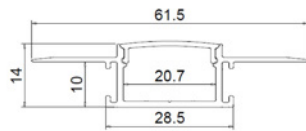
Body material	Aluminium
Body finish	Anodization
Screen material	PMMA
Protection rating	IP20
Weight	0,25 Kg/m
Mounting	Trimless on plasterboard

ACCESSORIES

Mounting kit and potting options

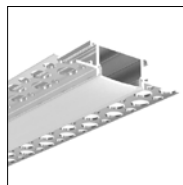
30° junction kit	CMP01161
45° junction kit	CMP01162
60° junction kit	CMP01163
90° junction kit	CMP01164
120° junction kit	CMP01165
180° junction kit	CMP01166

TECHNICAL DRAWING



HOW TO ORDER

Model	Cover type	Lenght
SLOT-M	LWH	
SLOT-M Slot-M	LWH with opal cover	050 up to 50 cm 100 over 50 to 100 cm 150 over 100 to 150 cm 200 over 150 to 200 cm 250 over 200 to 250 cm 300 over 250 to 300 cm



With opal cover

Order code example: **SLOT-M-LWH300**

Note: cable feeding to be made during installation.

SLOT-M

APPLICATIONS

Slot-M trimless aluminium profile has been specifically designed to create light cuts into plasterboards walls and ceilings. The light emission has a width of only 21mm that allows to create consistant continuous lines.



FEATURES

Trimless element
Easy mounting on gypsum boards
Light emission width of 21mm

SPECIFICATIONS

Physical

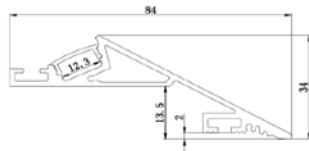
Body material	Aluminium
Body finish	Anodizing
Screen material	PMMA
Protection rating	IP20
Weight	0,20 Kg/m
Mounting	Trimless on plasterboard

ACCESSORIES

Mounting kit and potting options

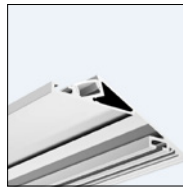
End caps kit (2 pcs.)	CMP01167
Comformal coating	CMF

TECHNICAL DRAWING



HOW TO ORDER

Model	Cover type	Lenght
BLADE-1	LWH	UUU
BLADE-1 Blade-1	CLR with clear cover LWH with opal cover	050 up to 50 cm 100 over 50 to 100 cm 150 over 100 to 150 cm 200 over 150 to 200 cm 250 over 200 to 250 cm 300 over 250 to 300 cm



With clear cover



With opal cover

Order code example: **BLADE-1-CLR200**.

BLADE-1

APPLICATIONS

The Blade-1 aluminum profile is designed for integration into plasterboard ceilings, with which it is possible to create luminous blade grooves with a minimal design. Blade-1 is available with transparent cover for laying on non-reflective surfaces, and with opal cover to be used if the surface on which the light is reflected is shiny.



FEATURES

Create luminous blade grooves

Easy installation on plasterboard

Minimal design

SPECIFICATIONS

Physical

Body material	Aluminium
Body finish	Anodized
Screen material	PMMA
Protection rating	IP20
Weight	0,50 Kg/m
Mounting	Surface with accesories

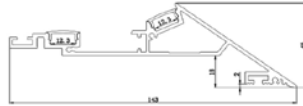
ACCESSORIES

Mounting kit and potting options

Comformal coating

CMF

TECHNICAL DRAWING



HOW TO ORDER

Model	Cover type	Lenght
BLADE-2	LWH	UUU
BLADE-2 Blade-2	CLR with clear cover LWH with opal cover	050 up to 50 cm 100 over 50 to 100 cm 150 over 100 to 150 cm 200 over 150 to 200 cm 250 over 200 to 250 cm 300 over 250 to 300 cm



With clear cover



With opal cover

Order code example: **BLADE-2-CLR200**.

BLADE-2

APPLICATIONS

The aluminum profile Blade-2 is designed for integration in plasterboard ceilings, with which it is possible to realize luminous blade grooves with a minimal design. Blade-2 is designed for the installation of 2 led modules in different positions, depending on the application required and the size of the light groove to be made. It is also possible to equip the profile with both white and RGB modules, in order to create captivating color scenes.



FEATURES

Create luminous blade grooves

Easy installation on plasterboard

Minimal design

SPECIFICATIONS

Physical

Body material	Aluminium
Body finish	Anodized
Screen material	PMMA
Protection rating	IP20
Weight	0,75 Kg/m
Mounting	Trimless on plasterboard

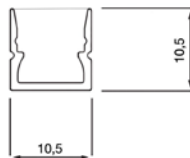
ACCESSORIES

Mounting kit and potting options

Comformal coating

CMF

TECHNICAL DRAWING



HOW TO ORDER

Model	Cover type	Lenght
MICRON		
MICRON Micron	LWH with opal cover	050 up to 50 cm 100 over 50 to 100 cm 150 over 100 to 150 cm 200 over 150 to 200 cm 250 over 200 to 250 cm 300 over 250 to 300 cm



With opal cover

Order code example: MICRON-LWH250

Note: standard cable feeding type A (code CAV-A). See page 110 for different feeding options.

MICRON

APPLICATIONS

The Micron aluminum profile was designed for integration purposes in staircase and furniture, in particular for applications in which installation space constraints are fundamental. Thanks to the reduced cross-section, it seamlessly fits even the smallest spaces. Micron is available only with opal cover and mounting is possible either with fastening clips or with strong adhesive tape on the back.



FEATURES

Lowest cross-section

Easy installation with fixing clips or double-sided adhesive tape

Minimal design

SPECIFICATIONS

Physical

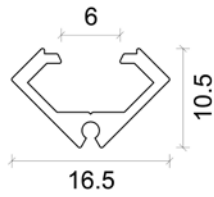
Body material	Aluminium
Body finish	Anodized
Screen material	PMMA
Protection rating	IP20
Weight	0,10 Kg/m
Mounting	Surface with accessories

ACCESSORIES

Mounting kit and potting options

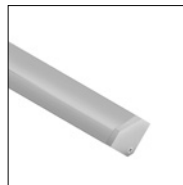
Retaining clip kit (2 pcs.)	CMP01156
High resistance adhesive tape	CMP01033
Comformal coating	CMF
Soft clear potting for IP67	RES-CLR
Soft opal potting for IP67	RES-WHT

TECHNICAL DRAWING



HOW TO ORDER

Model ▼	Cover type ▼	Lenght ▼
CORNER		
CORNER Corner	CLR with clear cover LWH with opal cover	050 up to 50 cm 100 over 50 to 100 cm 150 over 100 to 150 cm 200 over 150 to 200 cm 250 over 200 to 250 cm 300 over 250 to 300 cm



With clear cover



With opal cover

Order code example: CORNER-LWH100

Note: standard cable feeding type A (code CAV-A). See page 110 for different feeding options.

CORNER

APPLICATIONS

The Corner aluminium profile was designed for corner positioning, either in shelves and furniture, to light up object or wardrobe. Thanks to the reduced cross-section, it seamlessly fits even the smallest spaces.



FEATURES

Corner mounting
Reduced dimension

SPECIFICATIONS

Physical

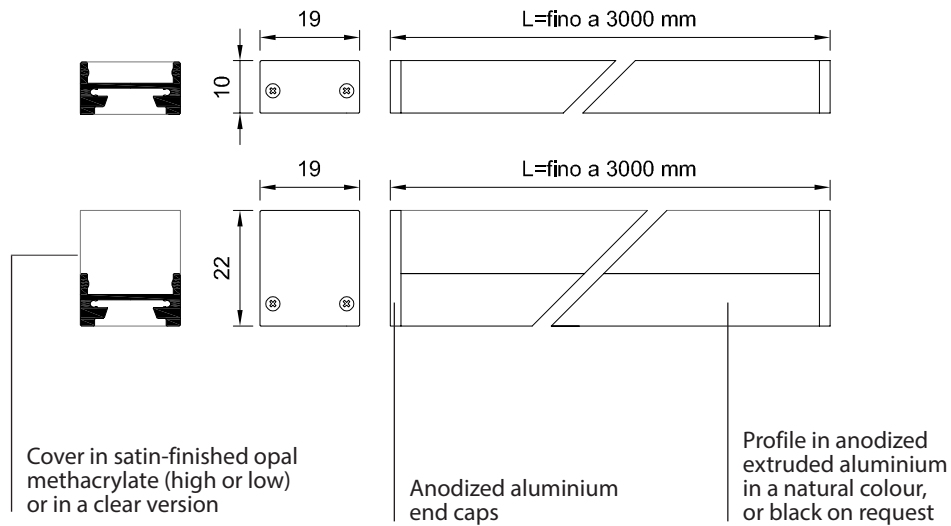
Body material	Aluminium
Body finish	Anodized
Screen material	PMMA
Protection rating	IP20
Weight	0,20 Kg/m
Mounting	Surface with accessories

ACCESSORIES

Mounting kit and potting options

End caps kit (2 pcs.)	CMP01168
Retaining clip kit (2 pcs.)	CMP01169

TECHNICAL DRAWING



HOW TO ORDER

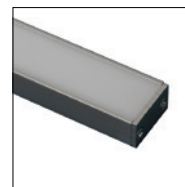
Model	Cover type	Lenght
ALFA	---	---
ALFA Alfa	CLR with clear cover LWH with low opal cover HWH with high opal cover NNN no cover	050 up to 50 cm 100 over 50 to 100 cm 150 over 100 to 150 cm 200 over 150 to 200 cm 250 over 200 to 250 cm 300 over 250 to 300 cm



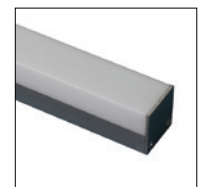
No cover



With clear cover



With low opal cover



With high opal cover

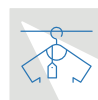
Order code example: **ALFA-CLR150**

Note: standard cable feeding type A (code CAV-A). See page 110 for different feeding options.

ALFA

APPLICATIONS

The Alfa aluminum profile was designed for integration purposes in furniture, in particular for applications in which installation space constraints are fundamental. Thanks to the reduced cross-section, it seamlessly fits even the smallest spaces. Alfa is available with clear or opal cover and in the higher opal methacrylate cover there is an optimal diffusion of light, and it is thus particularly suitable for installation under suspended cabinets or in brackets of bookshelves, in wooden materials and in Corian®. Thanks to the essential design and the hidden fastening clips this element is aesthetically pleasing even if it is installed in full view or switched off. It is suitable for a variety of different uses: from homes to museum, from contract to retail sales areas.



FEATURES

- Reduced cross-section
- Easy installation with hidden clips or magnet
- Various cover versions
- Essential design
- Full view and recessed installation (wood and Corian®)

SPECIFICATIONS

Physical

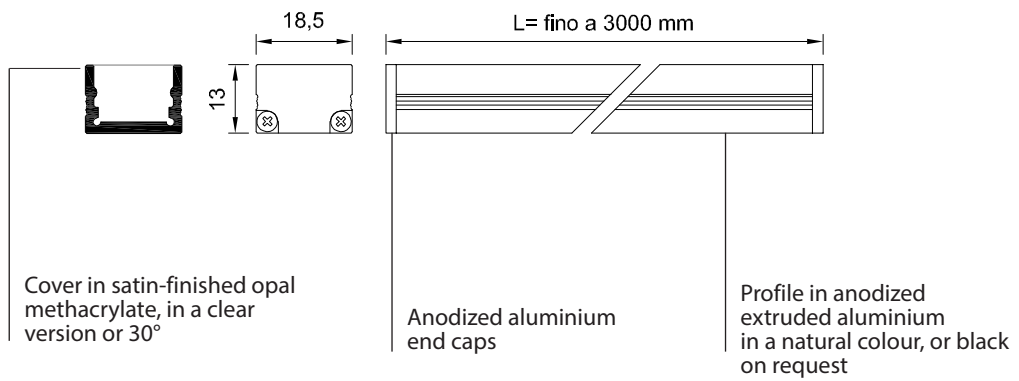
Body material	Aluminium
Body finish	Anodized
Screen material	PMMA
Protection rating	IP20
Weight	0,155 Kg/m
Mounting	Surface with accessories

ACCESSORIES

Mounting kit and potting options

Retaining clip kit (2 pcs.)	CMP00916
45° retaining clip kit (2 pcs.)	CMP00917
Retaining magnet (1 pc.)	CMP00918
Linear joint (1 pc.)	CMP00919
Flat angle joint (1 pc.)	CMP00993
Soft clear potting for IP67	RES-CLR
Soft opal potting for IP67	RES-WHT
Walkover hard clear potting IP67	RES-HD-CLR
Walkover hard opal potting IP67	RES-HD-WHT

TECHNICAL DRAWING



HOW TO ORDER

Model	Cover type	Lenght
BETA		
BETA Beta	CLR with clear cover LWH with low opal cover F30 with 30° lens cover NNN no cover	050 up to 50 cm 100 over 50 to 100 cm 150 over 100 to 150 cm 200 over 150 to 200 cm 250 over 200 to 250 cm 300 over 250 to 300 cm



No cover



With clear cover



With low opal cover



With 30° lens cover

Order code example: **BETA-LWH100**

Note: standard cable feeding type A (code CAV-A). See page 110 for different feeding options.

BETA

APPLICATIONS

The Beta aluminum profile was designed for integration purposes in furniture, in particular for applications in which installation space constraints are fundamental. Thanks to the reduced cross-section, it seamlessly fits even the smallest spaces. Beta is available with clear or opal cover. The 30° lens version allows to concentrate the light in a medium beam to light up the surfaces as wall washer. Mounting is possible either with fastening clips, fixed or adjustable, or with strong adhesive tape on the designated groove on the back.



FEATURES

Reduced cross-section

Easy installation with hidden clips or double-sided adhesive tape

Various cover versions

30° lens cover available to reduce the light beam

SPECIFICATIONS

Physical

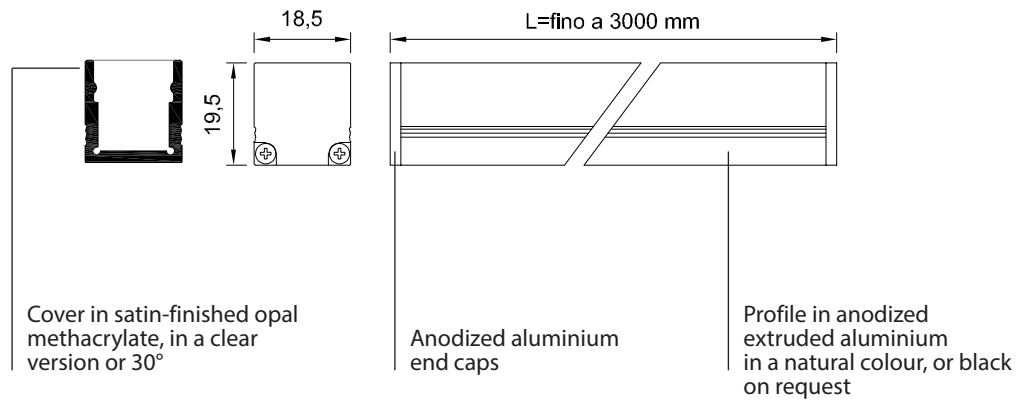
Body material	Aluminium
Body finish	Anodized
Screen material	PMMA
Protection rating	IP20
Weight	0,22 Kg/m
Mounting	Surface with accessories

ACCESSORIES

Mounting kit and potting options

Retaining clip kit (2 pcs.)	CMP00912
45° retaining clip kit (2 pcs.)	CMP00913
Adjustable retaining clip kit (2 pcs.)	CMP00914
High resistance adhesive tape	CMP01033
Comformal coating	CMF
Soft clear potting for IP67	RES-CLR
Soft opal potting for IP67	RES-WHT
Walkover hard clear potting IP67	RES-HD-CLR
Walkover hard opal potting IP67	RES-HD-WHT

TECHNICAL DRAWING



HOW TO ORDER

Model	Cover type	Lenght
GAMMA		
GAMMA Gamma	<p>CLR with clear cover</p> <p>LWH with low opal cover</p> <p>F30 with 30° lens cover</p> <p>NNN no cover</p>	<p>050 up to 50 cm</p> <p>100 over 50 to 100 cm</p> <p>150 over 100 to 150 cm</p> <p>200 over 150 to 200 cm</p> <p>250 over 200 to 250 cm</p> <p>300 over 250 to 300 cm</p>



No cover



With clear cover



With low opal cover



With 30° lens cover

Order code example: **GAMMA-CLR300**

Note: standard cable feeding type A (code CAV-A). See page 110 for different feeding options.

GAMMA

APPLICATIONS

The Gamma system is a version with a greater cross-section than the Beta profile, designed to have greater distance between the positioning surfaces of the LED module inside the fixture and the cover. This ensures perfect uniformity of surface light even when the LED are placed further apart. Gamma is available with clear or opal cover. The 30° lens version allows to concentrate the light in a medium beam to light up the surfaces as wall washer. Mounting is possible either with fastening clips, fixed or adjustable, or with strong adhesive tape on the designated groove on the back.



FEATURES

Perfect uniformity

Easy installation with hidden clips or double-sided adhesive tape

Various cover versions

30° Lens cover available to reduce the light beam

SPECIFICATIONS

Physical

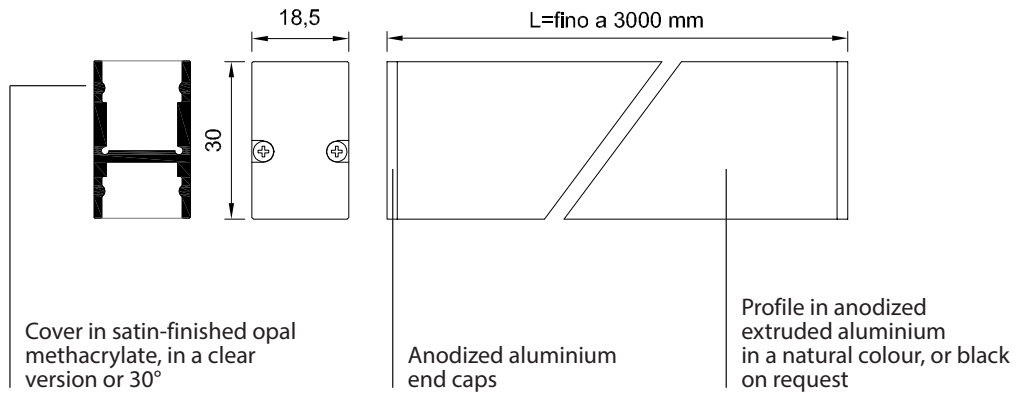
Body material	Aluminium
Body finish	Anodized
Screen material	PMMA
Protection rating	IP20
Weight	0,33 Kg/m
Mounting	Surface with accessories

ACCESSORIES

Mounting kit and potting options

Retaining clip kit (2 pcs.)	CMP00912
45° retaining clip kit (2 pcs.)	CMP00913
Adjustable retaining clip kit (2 pcs.)	CMP00914
High resistance adhesive tape	CMP01033
Comformal coating	CMF
Soft clear potting for IP67	RES-CLR
Soft opal potting for IP67	RES-WHT
Walkover hard clear potting IP67	RES-HD-CLR
Walkover hard opal potting IP67	RES-HD-WHT

TECHNICAL DRAWING



HOW TO ORDER

Model	Cover type	Lenght
<p>DELTA</p> <p>DELTA Delta</p>	<p>CLR with clear cover</p> <p>LWH with opal cover</p> <p>F30 with 30° lens cover</p> <p>NNN no cover</p>	<p>050 up to 50 cm</p> <p>100 over 50 to 100 cm</p> <p>150 over 100 to 150 cm</p> <p>200 over 150 to 200 cm</p> <p>250 over 200 to 250 cm</p> <p>300 over 250 to 300 cm</p>



No cover



With clear cover



With opal cover



With 30° lens cover

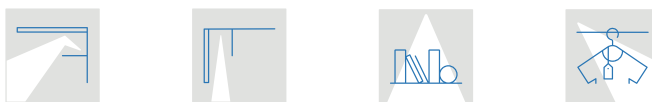
Order code example: **DELTA-LWH200**

Note: standard cable feeding type A (code CAV-A). See page 110 for different feeding options.

DELTA

APPLICATIONS

The Delta aluminum profile was specifically designed for wall mounting to create light lines or for hidden installation in walls and floors. Delta is available with clear or opal cover. The 30° lens version allows to concentrate the light in a medium beam to light up the surfaces as wall washer. Its "H" cross-section facilitates a flawless installation thanks to its hidden snap-in, on which the fixture is directly mounted. The hidden snap-in mounting is hollow so that the power cable can pass underneath the fixture, permitting the power supply of subsequent fixtures from a single point.



FEATURES

- Easy installation with hidden clip
- Various cover versions
- 30° Lens cover available to reduce the light beam
- Possibility to have the power supply of subsequent fixtures from a single point

SPECIFICATIONS

Physical

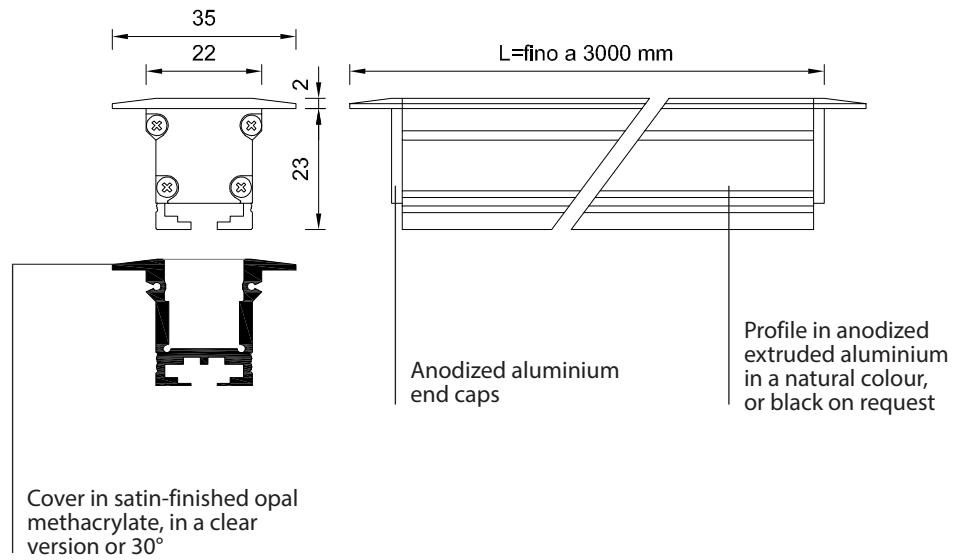
Body material	Aluminium
Body finish	Anodized
Screen material	PMMA
Protection rating	IP20
Weight	0,435 Kg/m
Mounting	Surface with accessories

ACCESSORIES

Mounting kit and potting options

Retaining clip (1 pc.)	CMP00930
Aluminium cover profile L=1m	CMP01060
Aluminium cover profile L=2m	CMP01061
Aluminium cover profile L=3m	CMP01062
Adjustable retaining clip kit (2 pcs.)	CMP01120
Comformal coating modulo	CMF
Soft clear potting for IP67	RES-CLR
Soft opal potting for IP67	RES-WHT
Walkover hard clear potting IP67	RES-HD-CLR
Walkover hard opal potting IP67	RES-HD-WHT

TECHNICAL DRAWING



HOW TO ORDER

Model	Cover type	Lenght
OMEGA		
OMEGA Omega	CLR with clear cover LWH with opal cover F30 with 30° lens cover NNN no cover	050 up to 50 cm 100 over 50 to 100 cm 150 over 100 to 150 cm 200 over 150 to 200 cm 250 over 200 to 250 cm 300 over 250 to 300 cm



No cover



With clear cover



With opal cover



With 30° lens cover

Order code example: OMEGA-LWH150

Note: standard cable feeding type A (code CAV-A). See page 110 for different feeding options.

OMEGA

APPLICATIONS

The Omega aluminum profile was designed for integration purposes in all types of surfaces, including thin metal sheet and plasterboard. It is available with clear or opal cover. The 30° lens version allows to concentrate the light in a medium beam to light up the surfaces as wall washer. The elegant bevelled frame and the simple spring clip enables rapid and efficient installation. For this reason this element is aesthetically pleasing even when switched off and is thus suitable for a variety of different uses: from homes to museum, from contract to retail sales areas.



FEATURES

Perfect uniformity

Elegant frame design

Easy installation with spring clips

Various cover versions

30° Lens cover available to reduce the light beam

SPECIFICATIONS

Physical

Body material	Aluminium
Body finish	Anodized
Screen material	PMMA
Protection rating	IP20
Weight	0,53 Kg/m
Mounting	Recessed with accessories

ACCESSORIES

Mounting kit and potting options

Retaining spring kit (1 pc.)

CMP00915



RAY

APPLICATIONS

The Ray linear system was designed for integration purposes in furniture, closets and walk-in closets, it be standard or custom. The product is available in different sizes (300/600/900/1200 mm), but it can also be made to measure according to specific design and customer requirements. The product is in polished stainless steel and it withstands considerable loads without bending noticeably.

If made longer than 1200mm, a polished stainless steel bracket is supplied separately as an accessory to be mounted in the center of the fixture to prevent both natural inflections and even most unfavorable loading situations.



FEATURES

Easy mounting and installation

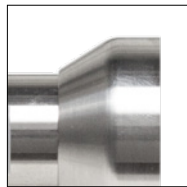
Polished stainless steel body

Hidden mounting flange

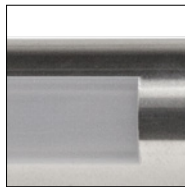
Protection rating IP20

High load resistance

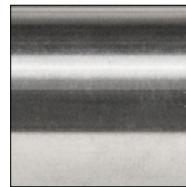
Ecological and recyclable, no disposal restrictions



Fixing flange



Opal cover



Polished finishing

SPECIFICATIONS

Performance

LED type	Mid power
LED nr. and model	75 led / m x Seoul 5630
Total lumen output (at 85°C)	Up to 600 lm/m
Colour temperature	2700 - 3200 - 4000 - 5500 K
Binning	2 step ellipse MacAdam
CRI	>90 (2700 - 3200K), >80 (4000 - 5500 K)
Other colours	n.a.

Electrical

Supply type	Constant voltage
Supply value	24 Vdc
Maximum power consumption	18 W/m
Connection	Cable 2x0.5 sqmm L=2 m

Physical

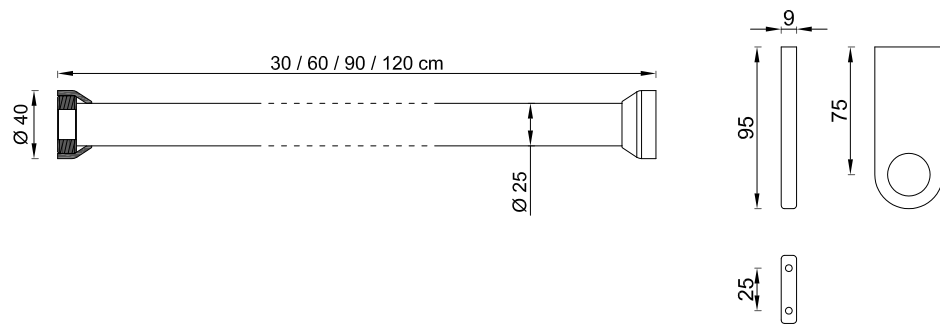
Body material	V4A stainless steel
Body finish	Polished
Optic material	n.a.
Optic type	n.a.
Screen material	PMMA
Dissipation	Passive
Protection rating	IP20
Class	III
Weight	1,8 Kg/m
Dimensions	See technical drawing
Operating temperature range	-25 / +70 °C
MTBF (LM80)	50.000 hrs
Mounting	Hidden side flange

HOW TO ORDER

Model		Length		Colour
▼		▼		▼
RAY	-	UUU		UUU
RAY Ray		030 30 cm 060 60 cm 090 90 cm 120 120 cm		K27 Warm white 2700K K30 Warm white 3000K K40 Neutral white 4000K K55 Cold white 5500K

Order code example: RAY-030K27

TECHNICAL DRAWING



ACCESSORIES

Mounting kit

Central holder

TRN00313



GROOVE-IN

APPLICATIONS

The Groove-in linear element was primarily designed for retail settings, particularly jewelry and other such valuables. This is because it combines two different temperatures in one single fixture. With its 3 or 6 LED versions, this fixture is indispensable for discerning architects who can thus create truly made-to-measure lighting solutions. The flush mounting system and the elegant design enable perfect integration. Through the careful use of secondary optics, Groove-in produces a variety of luminous effects and becomes a very versatile product that can easily be used in many situations, even for the general lighting of rooms.



FEATURES

Two different temperatures combined in one single fixture

Elegant design

High efficiency (>120 lm/W)

ANSI compliant binning, 2 step MacAdams ellipse for each individual lot

Excellent lumen maintenance and colour stability over time

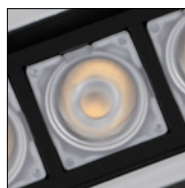
Extensive dimming - fully dimmable, even with PWM input signal

IP20 protection rating

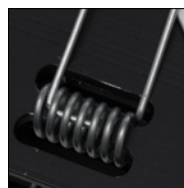
Highly efficient secondary optics

Long life and low maintenance costs

Ecological, no disposal restrictions



Lens



Mounting spring



Frame

SPECIFICATIONS

Performance

LED type	High power
LED nr. and model	3 / 6 led x CREE XP-E o XP-G
Total lumen output (at 85°C)	650 / 1300 lm
Colour temperature	2800 - 3200 - 4200 - 5500 K
Binning	2 step ellipse MacAdam
CRI	>90 (2800 - 3200 K), >80 (4200 - 5500 K)
Other colours	On request

Electrical

Supply type	Costant voltage
Supply value	24 Vdc
Maximum power consumption	8 / 16 W
Connection	2 poles Minifit connector

Phisical

Body material	Aluminium
Body finish	Anodized
Optic material	PMMA
Optic type	TIR
Screen material	n.a.
Dissipation	Passive
Protection rating	IP20
Class	III
Weight	0,22 / 0,4 Kg
Dimensions	See technical drawing
Operating temperature range	-25 / +70 °C
MTBF (LM80)	50.000 hrs
Mounting	Recessed

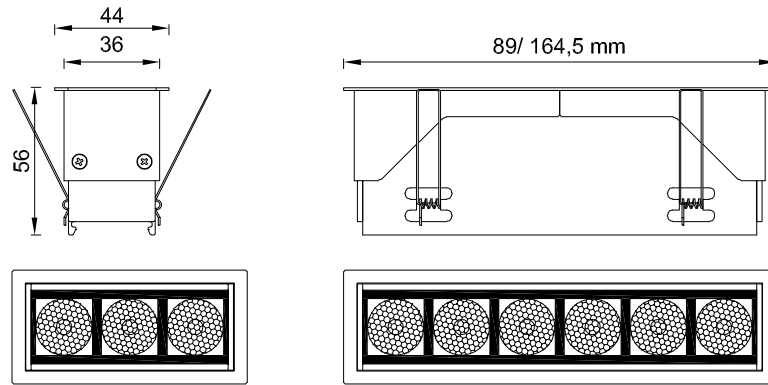
HOW TO ORDER

Model	LED nr.	Power	Optic	Colour
GIN	UU	UUU	UUU	UUU
GIN Groove-in	03 3 x XP-E / XP-G 06 6 x XP-E / XP-G	08W 8 W 16W 16 W	008 8° 013 13° 030 30° 047 47° 066 66° x40 13°x40°	WW2 Warm white 2800K WW3 Warm white 3200K NW4 Neutral white 4200K CW5 Cold white 5500K 2K5 Mixed white 2800/5500K

Order code example: **GIN-0308W047NW4**

Note: not all combinations of technical features are possible, check with our technical office at the e-mail address tecnico@futuroluce.it

TECHNICAL DRAWING



ACCESSORIES

Finishes

Black RAL 9004 painting

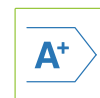
VER10



GROOVE

APPLICATIONS

The Groove linear element was primarily designed to answer the more practical needs of lighting using wall washers. Its modularity makes it a unique light. With the smallest module being just 10 cm and the possibility of production in increments of just 5cm, this fixture is indispensable for discerning architects who can thus create truly made-to-measure lighting solutions. The mounting system with hidden supports or adjustable bracket, its clean design and sharp lines ensure that its installation in situations such as in grooves and longitudinal cuts in the ceiling is perfectly integrated. Through the careful use of secondary optics, Groove produces a variety of luminous effects and becomes a very versatile product that can easily be used in many situations, even for the general lighting of rooms.



FEATURES

Extremely customizable (smallest module L=10 cm, increments of 5 cm)

Rapid connection in a row

High efficiency (>120 lm/W)

ANSI compliant binning, 2 step MacAdams ellipse for each individual lot

Excellent lumen maintenance and colour stability over time

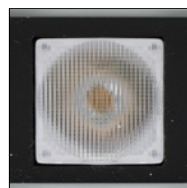
Extensive dimming - fully dimmable, even with PWM input signal

IP20 protection rating

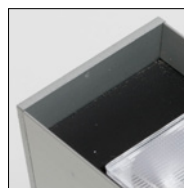
Highly efficient secondary optics

Long life and low maintenance costs

Ecological, no disposal restrictions



Lens



Minimal design

SPECIFICATIONS

Performance

LED type	High power
LED nr. and model	From 2 led to 36 led x CREE XP-E o XP-G
Total lumen output (at 85°C)	Up to 7100 lm
Colour temperature	2800 - 3000 - 4000 - 5500 K
Binning	2 step ellipse MacAdam
CRI	>90 (2700 - 3000 K), >80 (4000 - 5500 K)
Other colours	On request

Electrical

Supply type	Costant voltage
Supply value	24 Vdc
Maximum power consumption	Up to 90 W
Connection	2 poles Minifit connector

Phisical

Body material	Aluminium
Body finish	Anodizing
Optic material	PMMA
Optic type	TIR
Screen material	n.a.
Dissipation	Passive
Protection rating	IP20
Class	III
Weight	2 Kg/m
Dimensions	See technical drawing
Operating temperature range	-25 / +70 °C
MTBF (LM80)	50.000 hrs
Mounting	Surface with accessories

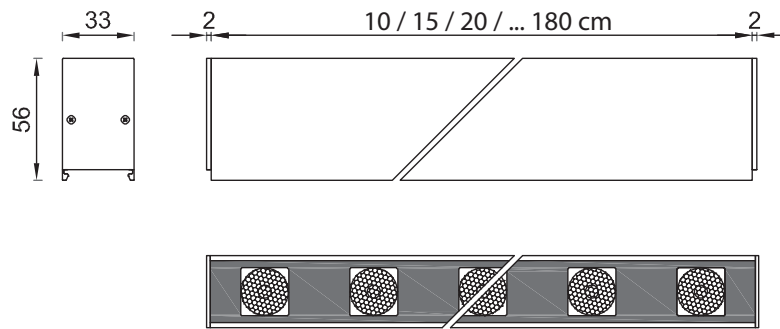
HOW TO ORDER

Model ▼	LED nr. ▼	Optic ▼	Lenght ▼	Colour ▼
GRV	□□	□□□	□□□	□□□
GRV Groove	02/36 From 2 to 36	008 8° 013 13° 030 30° 047 47° 066 66° x40 13°x40°	010 10 cm 015 15 cm 020 20 cm 180 180 cm	WW2 Warm white 2800K WW3 Warm white 3200K NW4 Neutral white 4200K CW5 Cold white 5500K RGB RGB

Order code example: **GRV-06008030WW3**

Note: not all combinations of technical features are possible, check with our technical office at the e-mail address tecnico@futuroluce.it

TECHNICAL DRAWING



ACCESSORIES

Cables

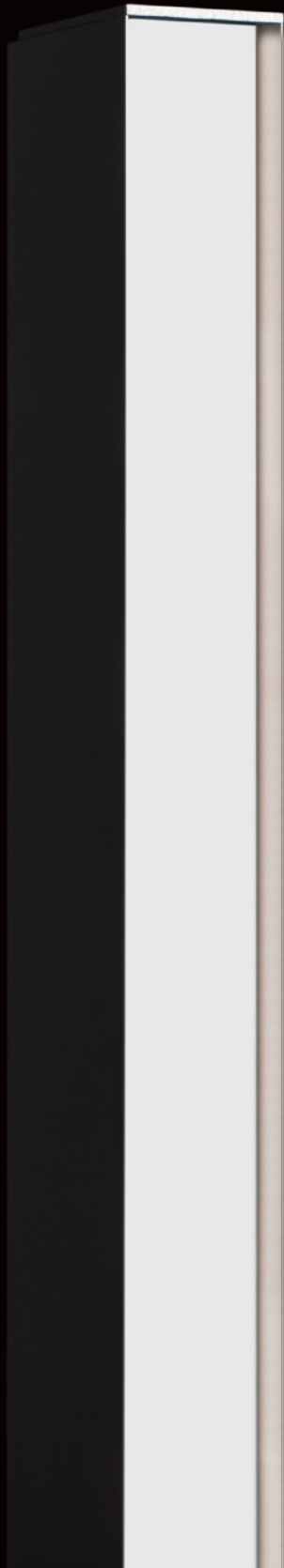
2 poles feeding cable L=2 m	CMP00516
4 poles feeding cable L=2 m	CMP00517
5 poles feeding cable L=2 m	CMP00518
2 poles feeding cable L=5 m	CMP00519
4 poles feeding cable L=5 m	CMP00520
5 poles feeding cable L=5 m	CMP00521

Frames

Recessed mounting frame L=300 mm	TRN00329
Recessed mounting frame L=600 mm	TRN00330
Recessed mounting frame L=900 mm	TRN00331
Recessed mounting frame L=1200 mm	TRN00332
Recessed mounting frame L=1500 mm	TRN00333
Recessed mounting frame L=1800 mm	TRN00334
End cap set for recessed frame (2 pcs.)	TRN00335

Mounting kit

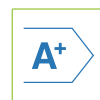
Ceiling mounting kit (2 pcs.)	CMP00522
Adjustable holder kit (2 pcs.)	CMP00525
Retining magnet kit (2 pcs.)	CMP00526
Linear joint (1pc.)	CMP00527
Suspension kit with 2x1mm cables L=1,5 m	CMP01001
Suspension kit with 2x1mm cables L=4 m	CMP01024



GROOVE-HP

APPLICATIONS

The Groove HP linear element is suitable for the general lighting of rooms and spaces and has been designed for both flush mounting and visible installation. By using a highly efficient LED module, it is able, in all circumstances, to replace fixtures with traditional fluorescent sources, thereby saving energy. Through the mounting system with hidden supports or adjustable bracket and its clean design it becomes a very versatile product. The disposition in a continuous row ensures that its installation in situations such as in grooves and longitudinal cuts in the ceiling is perfectly integrated.



FEATURES

Rapid connection in a row

High efficiency (>110 lm/W)

ANSI compliant binning, 2 step MacAdams ellipse for each individual lot

Excellent lumen maintenance and colour stability over time

Extensive dimming - fully dimmable, even with PWM input signal

IP20 protection rating

Long life and low maintenance costs

Ecological, no disposal restrictions



Screen



Frame



Heat-sink

SPECIFICATIONS

Performance

LED type	Mid power
LED nr. and model	150 led/m x Seoul 5630
Total lumen output (at 85°C)	Up to 6400 lm
Colour temperature	2700 - 3000 - 4000 - 5500K
Binning	2 step ellipse MacAdam
CRI	>90 (2700 - 3000 K), >80 (4000 - 5500 K)
Other colours	On request

Electrical

Supply type	Constant voltage
Supply value	24 Vdc
Maximum power consumption	Up to 66 W
Connection	2 poles Minifit connectors

Physical

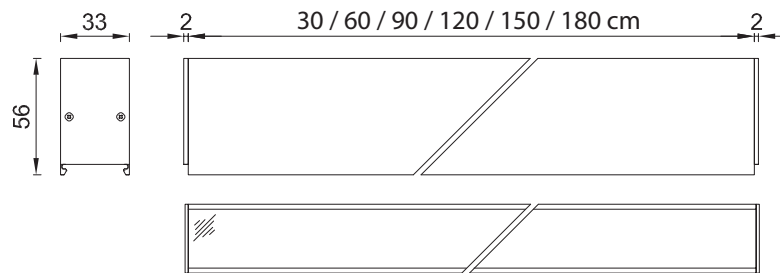
Body material	Aluminium
Body finish	Anodization
Optic material	n.a.
Optic type	Diffuse
Screen material	Satin-finish opal PMMA
Dissipation	Passive
Protection rating	IP20
Class	III
Weight	1,8 Kg/m
Dimensions	See technical drawing
Operating temperature range	-25 / +70 °C
MTBF (LM80)	50.000 hrs
Mounting	Surface with accessories

HOW TO ORDER

Model	Colour	Lenght
▼	▼	▼
GRV-HP	UUU	UUU
GRV-HP Groove HP	K27 Warm white 2700K K30 Warm white 3000K K40 Neutral white 4000K K55 Cold white 5500K	030 30 cm 060 60 cm 090 90 cm 120 120 cm 150 150 cm 180 180 cm

Order code example: GRV-HPK30090

TECHNICAL DRAWING



ACCESSORIES

Cables

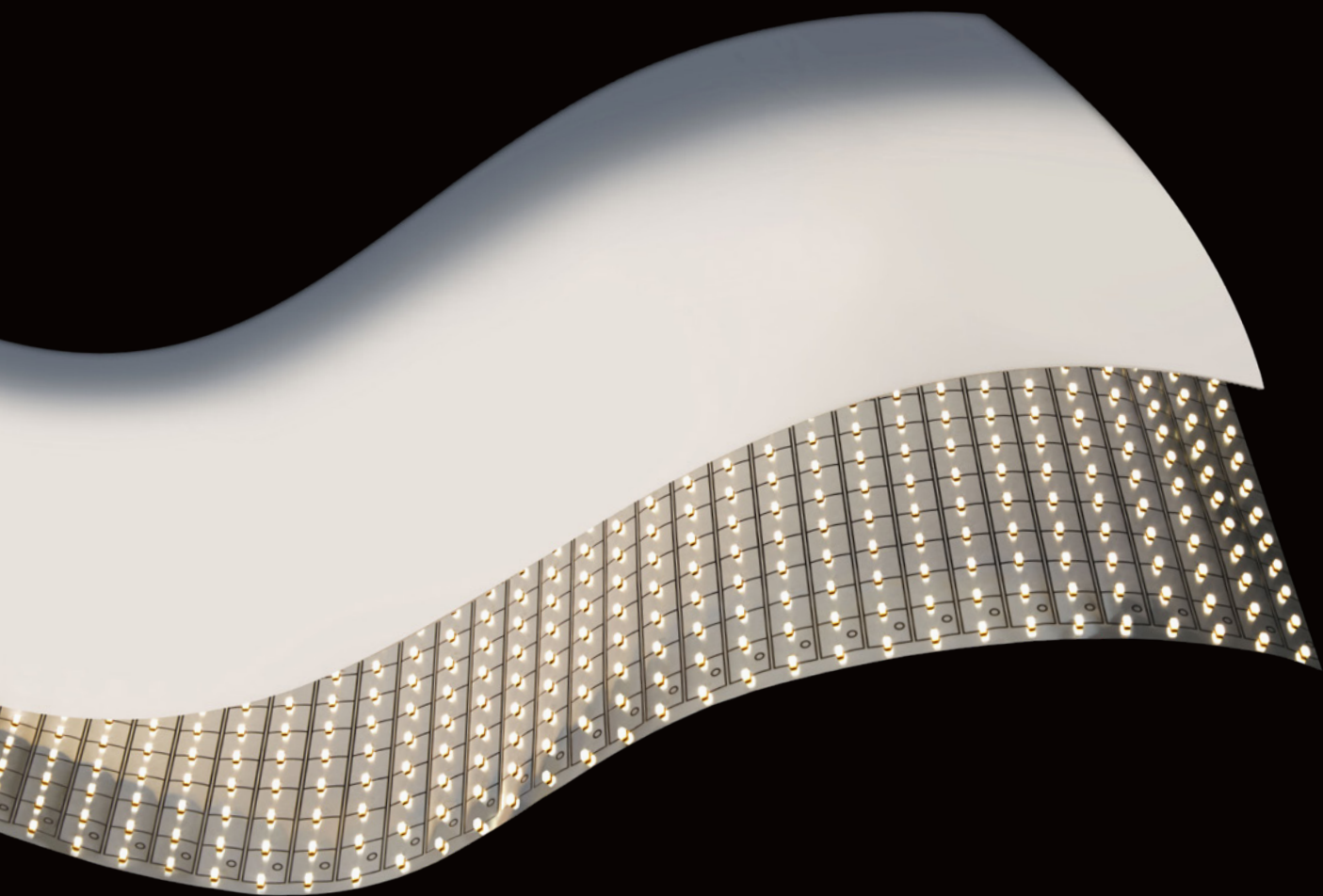
2 poles feeding cable L=2 m	CMP00516
2 poles feeding cable L=5 m	CMP00519
2 poles feeding cable L=10 m	CMP00994

Frames

Recessed mounting frame L=300 mm	TRN00329
Recessed mounting frame L=600 mm	TRN00330
Recessed mounting frame L=900 mm	TRN00331
Recessed mounting frame L=1200 mm	TRN00332
Recessed mounting frame L=1500 mm	TRN00333
Recessed mounting frame L=1800 mm	TRN00334
End cap set for recessed frame (2 pcs.)	TRN00335

Mounting kit

Ceiling mounting kit (2 pcs.)	CMP00522
Adjustable holder kit (2 pcs.)	CMP00525
Retining magnet kit (2 pcs.)	CMP00526
Linear joint (1pc.)	CMP00527
Suspension kit with 2x1mm cables L=1,5 m	CMP01001
Suspension kit with 2x1mm cables L=4 m	CMP01024



COOLEEDGE

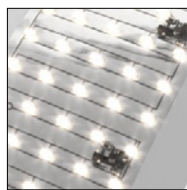
APPLICATIONS

The products of the Cooleedge series originates from the idea of a modular, highly flexible and transparent product (for Line series only) from a thin, flexible sheet. This single polyethylene terephthalate substrate brings together light source, mechanical and electronic support. 5 colour temperatures and different formats are available, both linear (with different lengths), squared, or in continuous lengths of more than 6 meters. Installation is direct without any additional profile or accessory. Cooleedge is particularly suitable for full-view installation in museums, where often a light source can create problems both of the aesthetic nature – caused by dimensional and functional constraints of the display cases–, and of the lighting nature - caused by low efficiency and glaring. Futuro Luce is a Cooleedge accredited partner, together with supplying the product we offer assistance and support for a seamless integration of the product itself in the specific context.



FEATURES

- High flexibility
- High efficiency (>120-140 lm/W)
- ANSI compliant binning, 2 step MacAdams ellipse for each individual lot
- Excellent lumen maintenance and colour stability over time
- High modularity with continuous module length up to 6m
- High CRI (standard >80, on request >90) and excellent light uniformity
- No heat-sink needed
- Extended dimming from 100% to 1%
- IP20 protection rating
- Long life and low maintenance costs
- Ecological and recyclable, no disposal restrictions



LED



Flexibility

SPECIFICATIONS

Performance

LED type	LINE 7 mm low/mid power
LED nr. and model	420 Lambertian LED
Total lumen output (at 40°C)	880 lm
Colour temperature	2700 - 3000 - 3500 - 4000 - 5700 K
Binning	2 step ellipse MacAdam
CRI	> 80 (> 90 on request)
Other colours	n.a.

Electrical

Supply type	Constant voltage
Supply value	58 Vdc
Maximum power consumption	21 W/m
Connection	Soldering pads

Physical

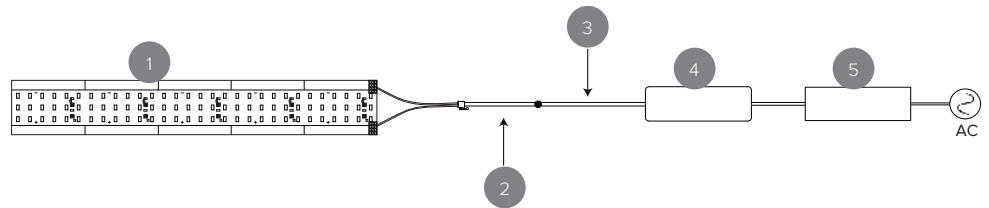
Body material	PET
Body finish	n.a.
Optic material	n.a.
Optic type	n.a.
Screen material	n.a.
Dissipation	Passive
Protection rating	IP20
Class	II
Weight	0,04 Kg
Dimensions	96 x 294 xH1.5 m (module min. LINE)
Operating temperature range	0 / 40° C
MTBF (LM80)	> 100.000 hrs
Mounting	Any position

HOW TO ORDER

The product is supplied on request, contact our technical department at the e-mail address tecnico@futuraoluce.it

SYSTEM SET UP

- 1 LINE flexible module
- 2 Power feeding cable
- 3 Extension cable (optional)
- 4 Control Module (optional)
- 5 Power supply unit





MATRIX

APPLICATIONS

The modules of the Matrix series originate from the idea that the white light array is the basic element in creating backlighting solutions in which reduced thickness is necessary. The widely diffused light emission allows to obtain a uniform spread over the entire surface onto which light is projected at a distance of just 40 mm. Thanks to its sectionable mechanics designed to maintain the LED module in both directions, Matrix is a highly versatile product that makes any composition possible. Typically, this product is used to create ceilings, walls or floors, backlit to achieve surprising effects. Matrix can also create animated low resolution graphics.

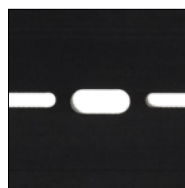


FEATURES

- Very diffused emission = optimal light uniformity
- Highly flexible thanks to the sectionable mechanics
- High efficiency (>110 lm/W)
- ANSI compliant binning, 2 step MacAdams ellipse for each individual lot
- Excellent lumen maintenance and colour stability over time
- Extensive dimming - fully dimmable, with external dimmer
- Fast connection in a row
- IP20 protection rating
- Long life and low maintenance costs
- Ecological, no disposal restrictions



Connector



Divisible

SPECIFICATIONS

Performance

LED type	Mid power
LED nr. and model	36 x Seoul 5630
Total lumen output (at 85°C)	Up to 750 lm
Colour temperature	2700 - 3000 - 4000 - 5500 K
Binning	2 step ellipse MacAdam
CRI	>90 (2700 - 3000 K), >80 (4000 - 5500 K)
Other colours	On request

Electrical

Supply type	Constant voltage
Supply value	24 Vdc
Maximum power consumption	8 W/cad. (128 W/sqm)
Connection	Quick connector and release button

Physical

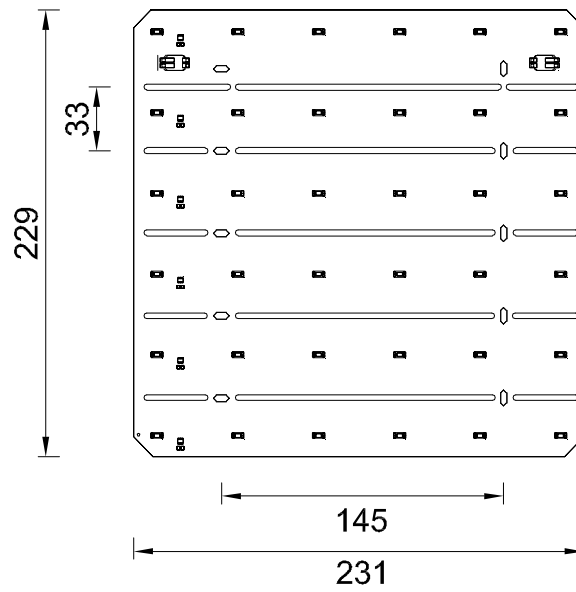
Body material	Double-sided copper fibreglass
Body finish	Anti-reflex black screen printing
Optic material	n.a.
Optic type	n.a.
Screen material	n.a.
Dissipation	Passive
Protection rating	IP20
Class	III
Weight	0,1 Kg/cad.
Dimensions	See technical drawing
Operating temperature range	-25 / +70 °C
MTBF (LM80)	50.000 hrs
Mounting	Any position

HOW TO ORDER

Model ▼	Modules nr. ▼	LED model ▼	Colour ▼
MTX	06	5630	K27
MTX Matrix	01 1 module 02 2 modules 03 3 modules 04 4 modules 05 5 modules 06 6 modules	5630 Seoul 5630	K27 Warm white 2700K K30 Warm white 3000K K40 Neutral white 4000K K55 Cold white 5500K

Order code example: **MTX-02065630-K27**

TECHNICAL DRAWING



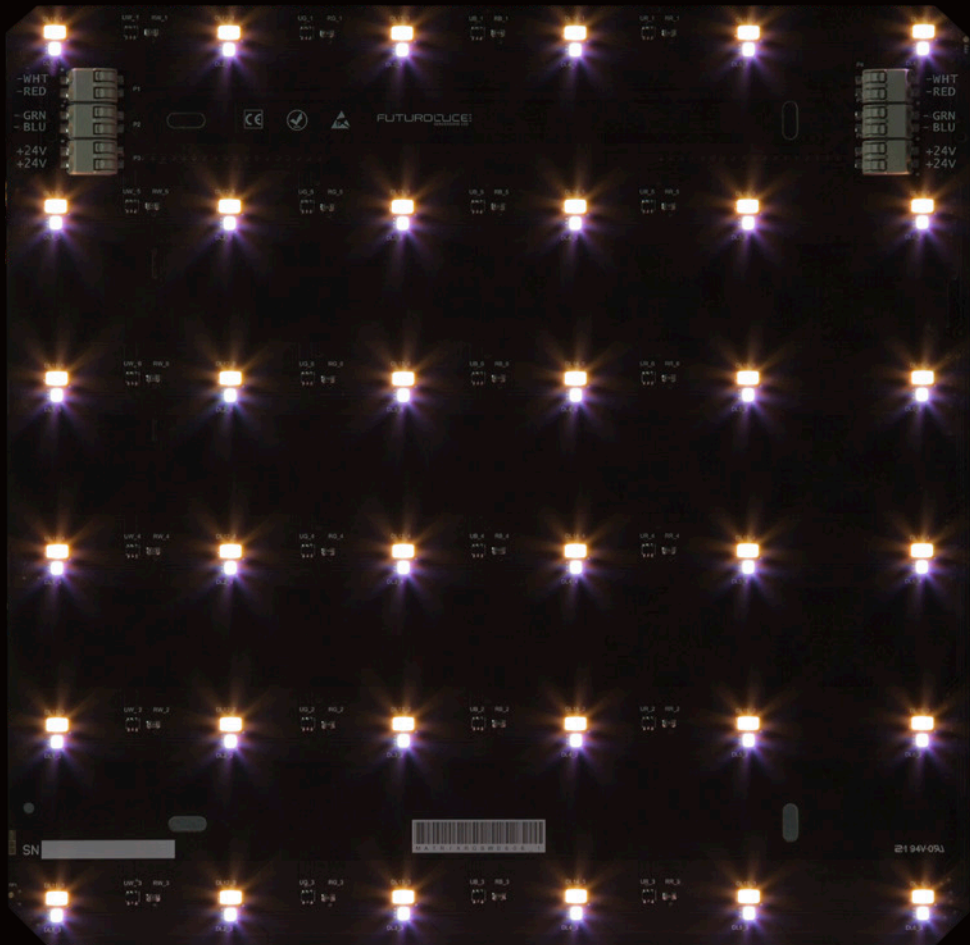
ACCESSORIES

Cables

2 poles connecting patch, L=10 cm	CMP00625
2 poles connecting patch, L=40 cm	CMP00626
2 poles connecting patch, L=100 cm	CMP00627

Mounting kit

4 pcs. metal spacers and screw set	CMP00637
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-WHT
-RED
-GRN
-BLU
+24V
+24V

FUTURODUCE

SN

2194V093

-WHT
-RED
-GRN
-BLU
+24V
+24V

MATRIX RGBW

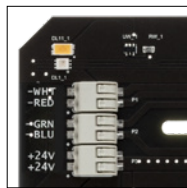
APPLICATIONS

The Matrix RGBW modules are the most complete solution for backlighting applications. It combines the perfect RGB mix with an additional channel with warm coloured LED of 2700K and CRI>90, enabling PANTONE® colours to be made that are not feasible with a classic RGB system. This feature makes the product the perfect solution for more bold projects, in which there should be no compromises and the light tone must be perfectly identified. This series is typically used to create spectacular back-lit surfaces such as, ceilings, walls and floors. It can also be used to create low resolution animated graphics with high colour quality, and with the possibility of passing to a pure white tone.

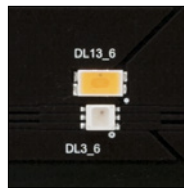


FEATURES

- Allows PANTONE® colour matching
- Very diffused emission = optimal light uniformity
- High efficiency (>110 lm/W)
- ANSI compliant binning, 2 step MacAdams ellipse for each individual lot
- Excellent lumen maintenance and colour stability over time
- Extensive dimming - fully dimmable, with external dimmer
- Fast connection in a row
- IP20 protection rating
- Long life and low maintenance costs
- Ecological, no disposal restrictions



Connector



High efficiency LED

SPECIFICATIONS

Performance

LED type	Mid power
LED nr. and model	36 x Seoul 5630 + 36 x Seoul 3528
Total lumen output (at 85°C)	Up to 970 lm
Colour temperature	90lm
Binning	130lm
CRI	47lm
Other colours	n.d.

Electrical

Supply type	Constant voltage
Supply value	24 Vdc
Maximum power consumption	18 W/cad. (288 W/mq)
Connection	Quick connector and release button

Physical

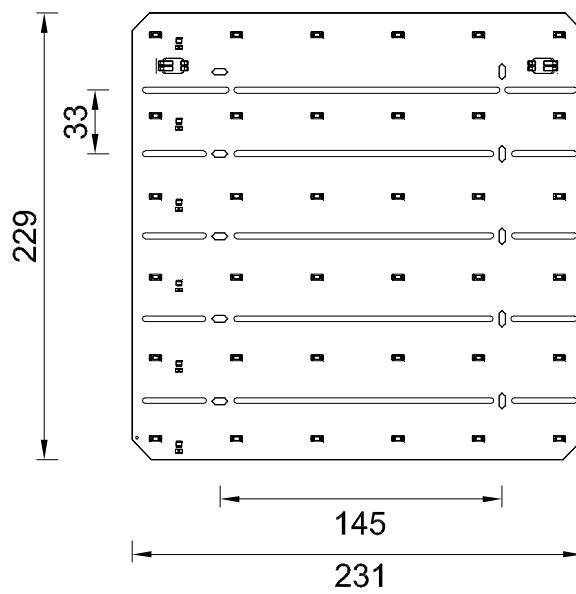
Body material	Double-sided copper fibreglass
Body finish	Anti-reflex black surface
Optic material	n.a.
Optic type	n.a.
Screen material	n.a.
Dissipation	Passive
Protection rating	IP20
Class	III
Weight	0,1 Kg/m
Dimensions	See technical drawing
Operating temperature range	-25 / +70 °C
MTBF (LM80)	50.000 hrs
Mounting	Any position

HOW TO ORDER

Model	Modules nr.	Colour
▼	▼	▼
MTX	-	0606
MTX Matrix	0606 6 modules	RGBW RGBW

Order code example: **MTX-0606RGBW**

TECHNICAL DRAWING



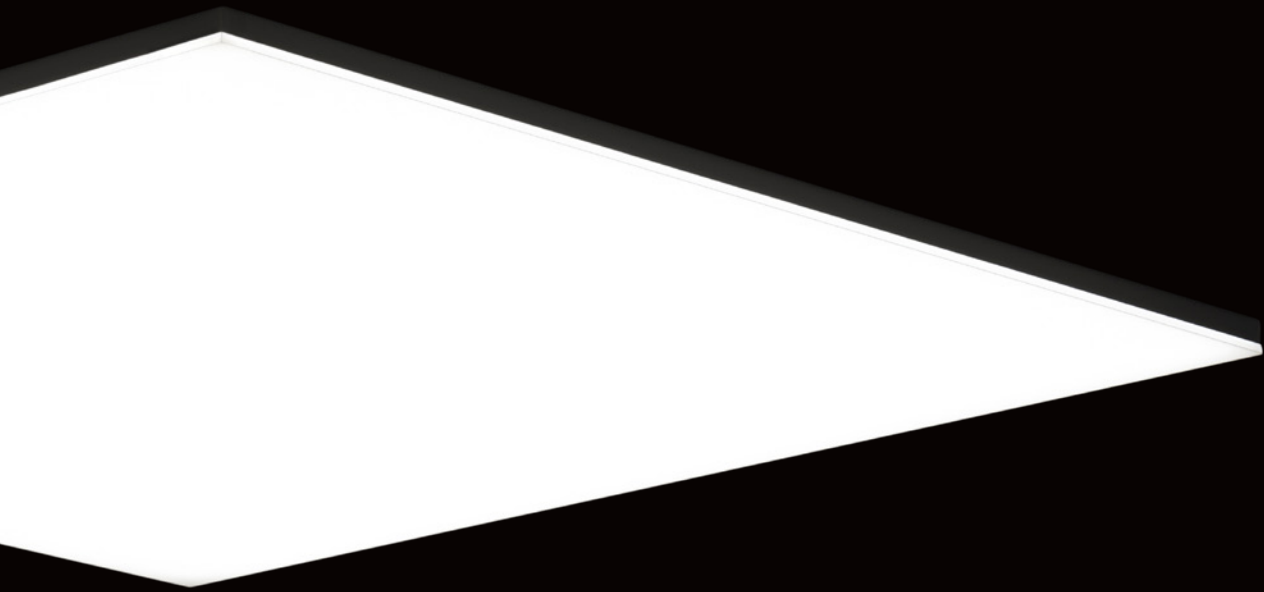
ACCESSORIES

Cables

2 poles connecting patch, L=10 cm	CMP00634
2 poles connecting patch, L=40 cm	CMP00635
2 poles connecting patch, L=100 cm	CMP00636

Mounting kit

4 pcs. metal spacers and screw set	CMP00637
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SURFACE

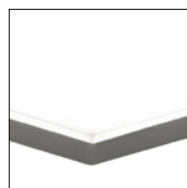
APPLICATIONS

The Surface panel series was specifically designed to have highly customizable, uniform and soft lighting solutions. The result is a product that is unique, meeting the most diverse needs intended for different activities, but united by the idea of efficiently and homogeneous lighting with reduced thickness. The laser engraving treatment of the entire surface of the panels guarantees lighting uniformity. Each panel is designed according to specific customer requirements, reaching the maximum size of 3000 × 2000 mm, available with frame or flush. Typical applications include wall mounting to illuminate rooms, backlighting of precious materials (eg marble, onyx, corian), lighting of the exhibition surfaces, lighting for marking and decorative purposes. Graphic films can be applied to the exterior surface or printed directly onto it. Surface is available in monochrome (white or colored light) or in RGB and RGBW versions.

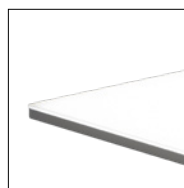


FEATURES

- Excellent light uniformity
- Maximum dimension customization
- High efficiency (>110 lm/W)
- ANSI compliant binning, 2 step MacAdams ellipse for each individual lot
- Excellent lumen maintenance and colour stability over time
- Extensive dimming - fully dimmable, with external dimmer
- Also available in RGB and RGBW options
- IP20 protection rating
- Long life and low maintenance costs
- Ecological, no disposal restrictions



Frame



Opal diffuser

SPECIFICATIONS

Performance

LED type	Mid power
LED nr. and model	Up to 120 LED/m
Total lumen output (at 85°C)	Up to 4000 lm/smq
Colour temperature	2700 - 3000 - 4000 - 5500 K
Binning	2 step ellipse MacAdam
CRI	>90 (2700 - 3000 K), >80 (4000 - 5500 K)
Other colours	RGB e RGBW

Electrical

Supply type	Constant voltage
Supply value	24 Vdc
Maximum power consumption	Up to 60 W/smq
Connection	2/4/6 poles cable L=2 m

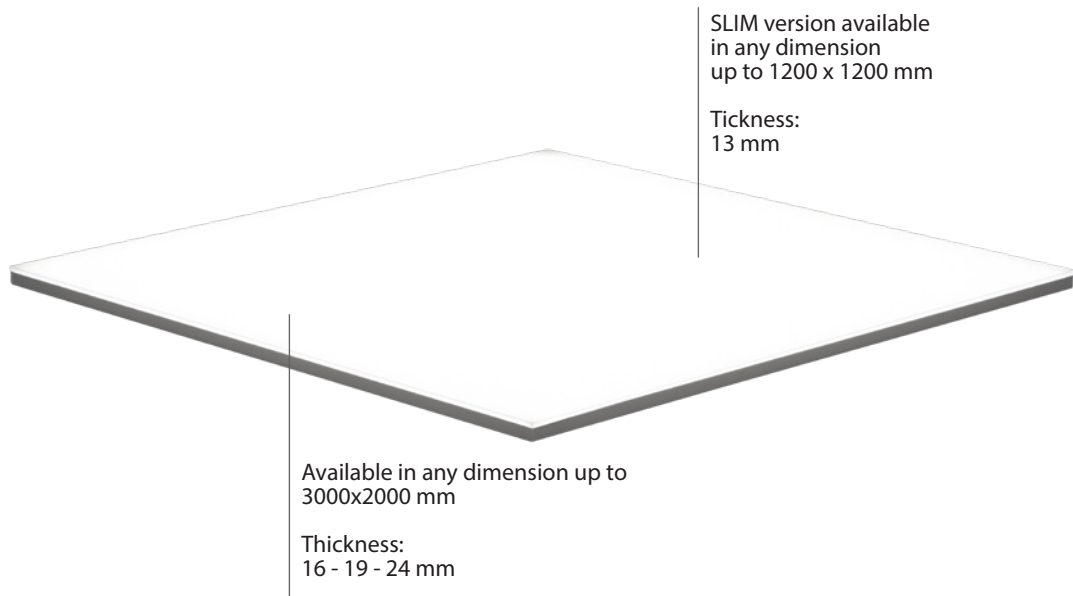
Physical

Body material	Aluminium
Body finish	Anodized
Optic material	Matt-finish opal PMMA
Optic type	Passive
Protection rating	IP20
Class	III
Weight	from 16 Kg/smq
Dimensions	See technical drawing
Operating temperature range	-25 / +70 °C
MTBF (LM80)	50.000 hrs
Mounting	Wall

HOW TO ORDER

The product is supplied on request, contact our technical department at the e-mail address tecnico@futuroluce.it

TECHNICAL DRAWING



ACCESSORIES

Mounting kit

Set of 10 pcs. fixing magnet

CMP01080

Dual lock™ fixing set (L=5 m)

CMP01081



CLICK

APPLICATIONS

Click is an innovative magnetic LED system on aluminum tracks specially designed for retail and for any situation with significant space constraints. This is a very flexible and versatile system that allows light management without any tool, since the magnetic spots can be placed directly on the track, as desired, at any time: you do everything just with your hands, in a simple click! The system consists of an aluminum track, available in three different lengths, 100, 200 and 300 cm. Recessed installation is also possible and it can be cut to measure. The adjustable spots can be equipped with different secondary optics that produce a wide range of lighting effects. Three different LED color temperatures are available: warm white, neutral white and cool white.



FEATURES

Modular system with magnetic track

High CRI at 2700 K e 3000 K

High efficiency lens, available in 2 beam angle

High efficiency (> 100 lm/W)

ANSI compliant binning, 2 step MacAdams ellipse for each individual lot

Excellent lumen maintenance and colour stability over time

Protection rating IP20

Long life and low maintenance costs

Ecological, no disposal restrictions



Head



Track

SPECIFICATIONS

Performance

LED type	High power
LED nr. and model	1x Cree XM - L
Total lumen output (at 85°C)	Up to 300 lm
Colour temperature	2800 - 3200 - 4200 - 5500K
Binning	2 step ellipse MacAdam
CRI	>90 (2800 - 3200K), >80 (4200 - 5500K)
Other colours	n.d.

Electrical

Supply type	Constant voltage
Supply value	12 / 24 Vdc
Maximum power consumption	4 W
Connection	Spring contact

Physical

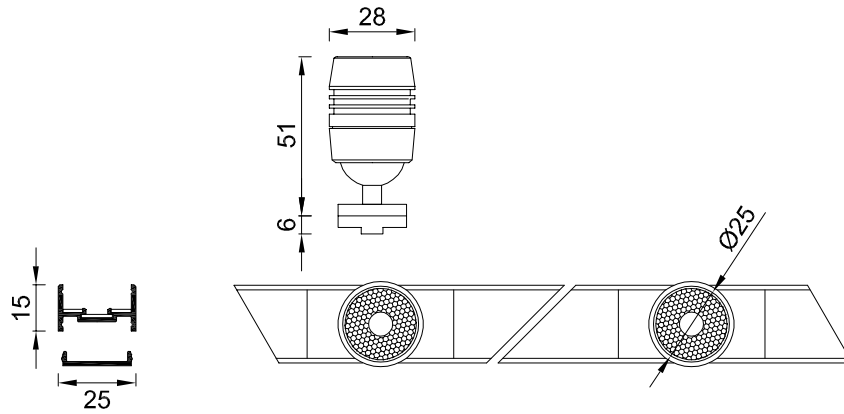
Body material	Aluminium
Body finish	Anodization
Optic material	PMMA
Optic type	TIR
Screen material	Passive
Dissipation	IP20
Protection rating	III
Class	0,6 Kg/m
Weight	0,07 Kg
Dimensions	See technical drawing
Operating temperature range	-25 / +70 °C
MTBF (LM80)	50.000 hrs
Mounting	Surface with accessories

HOW TO ORDER

Model	Type	Power	Optic	Colour
▼	▼	▼	▼	▼
CLICK	A	04	UUU	UUU
CLICK Click	A Type A	04 4 W	025 25° 040 40°	WW2 Warm white 2800K WW3 Warm white 3200K NW4 Neutral white 4200K CW5 Cold white 5500K

Order code example: **CLICK-A04025WW2**

TECHNICAL DRAWING



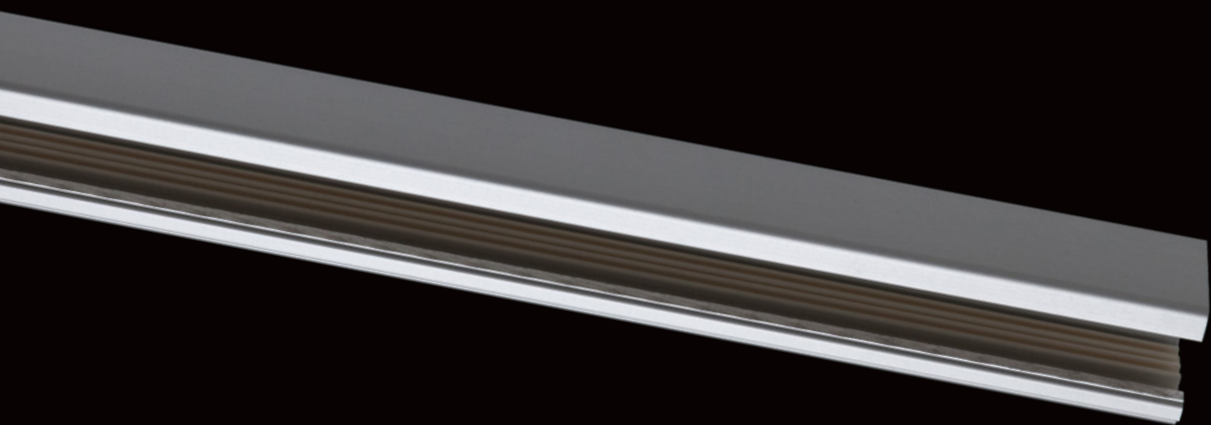
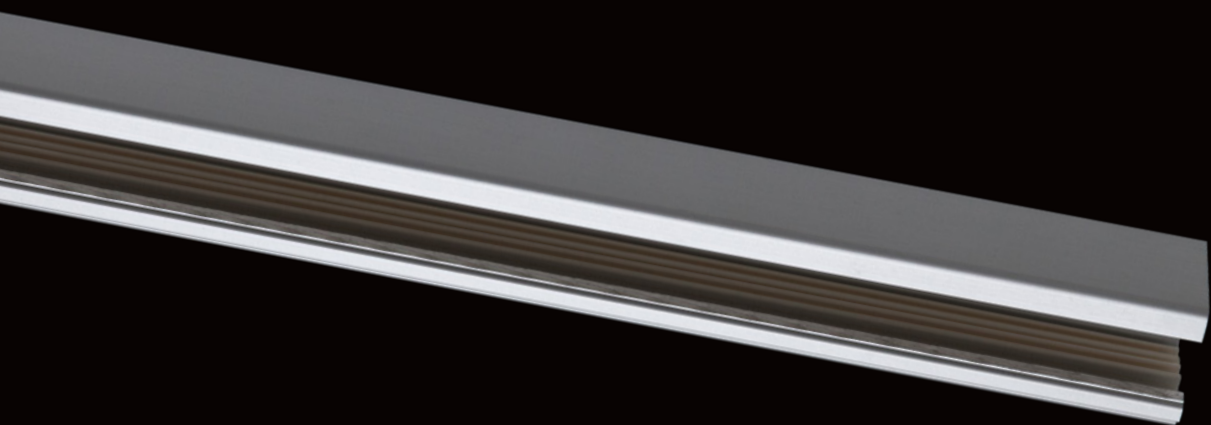
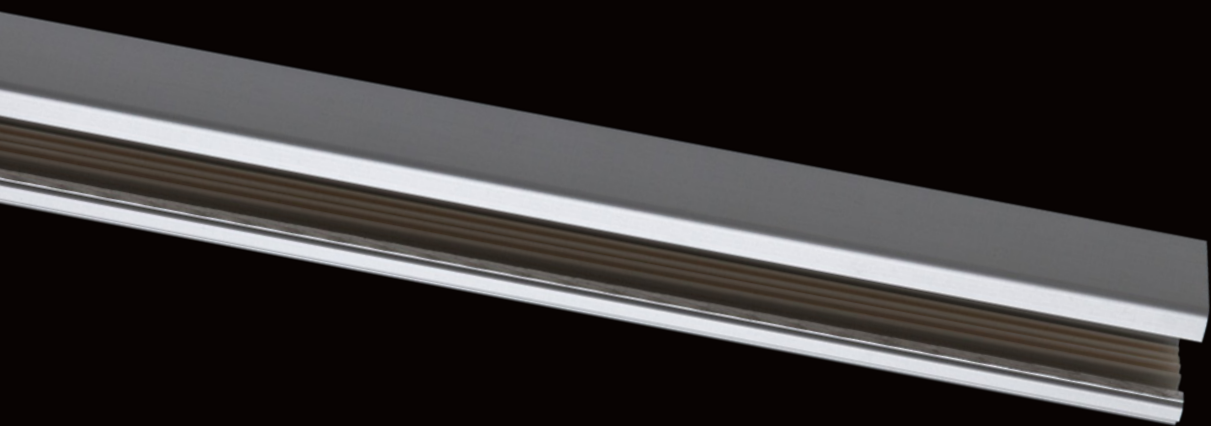
ACCESSORIES

Track

Aluminium track black anodized L=1 m	ALU-025015-100-B
Aluminium track black anodized L=2 m	ALU-025015-200-B
Aluminium track black anodized L=3 m	ALU-025015-300-B
Track feeding connector	TRN00394
End cap	TRN00402

Mounting kit

Mounting clip L= 50 mm	CMP00645
5pcs. mounting clip set	CMP01037



UNIPRO

APPLICATIONS

The Unipro system consists of a 3-circuit electrified track. Mounted in full view or recessed options are available. A series of accessories are available to allow the individual configuration of the system as required. The track can be cut directly on site and the pre-drilled holes enable a swift, secure installation. Typical application areas are retail sails area and museum. This system is highly compatible with the universal 3-circuit track connections system that is readily available on the market.



unipro

FEATURES

Ease of cutting directly on site

Pre-drilled holes for swift, secure installation

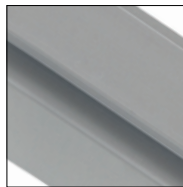
Highly compatible with universal connections

Suitable for full view and recessed installation

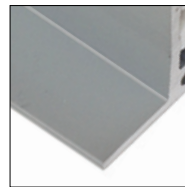
Long life and low maintenance costs;



Ground contact



Clip lock



Recessed frame

SPECIFICATIONS

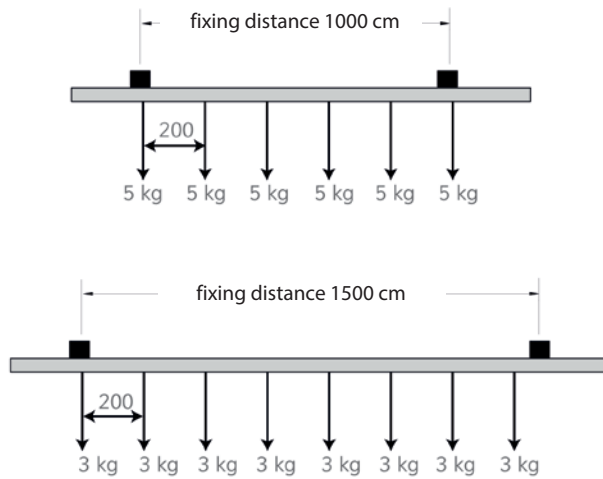
Electrical

Supply type	Main voltage
Supply value	250/400Vac 50Hz
Maximum power consumption	16A
Connection	3 circuit

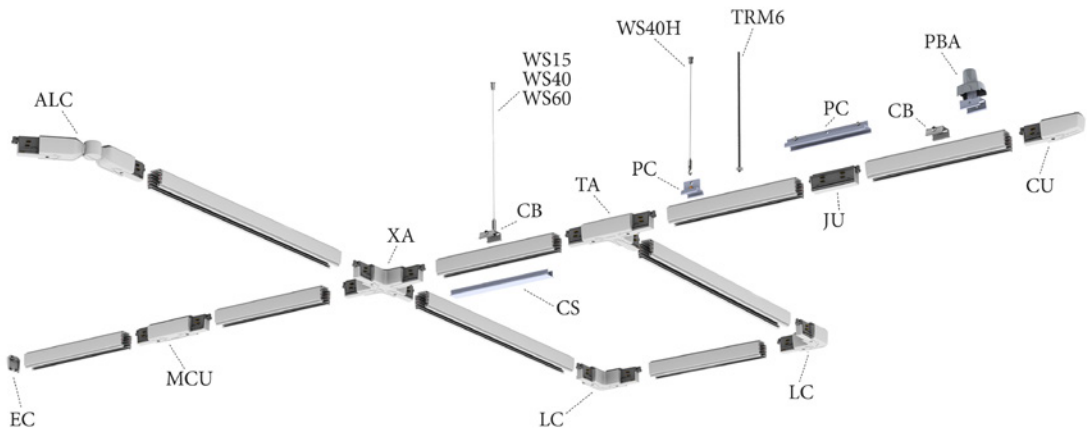
Physical

Body material	Aluminium
Body finish	Anodizing / painting
Protection rating	IP20
Class	I
Weight	1,8 Kg/m
Dimensions	See technical drawing
Mounting	Suspended or recessed

LOAD CAPACITY

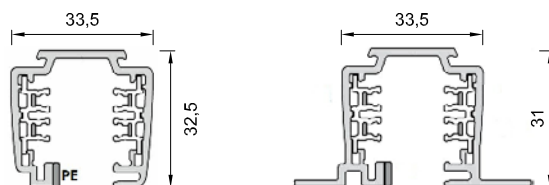


SYSTEM DIAGRAM



TECHNICAL DRAWING

SCALA 1:1



ACCESSORIES

Suspension track

Three phase suspension track, 3 circuit grey colour L=2 m	CMP00801
Three phase suspension track, 3 circuit black colour L=2 m	CMP00811
Three phase suspension track, 3 circuit white colour L=2 m	CMP00821
Three phase suspension track, 3 circuit grey colour L=3 m	CMP00802
Three phase suspension track, 3 circuit black colour L=3 m	CMP00812
Three phase suspension track, 3 circuit white colour L=3 m	CMP00822
Three phase suspension track, 3 circuit grey colour L=4 m	CMP00803
Three phase suspension track, 3 circuit black colour L=4 m	CMP00813
Three phase suspension track, 3 circuit white colour L=4 m	CMP00823

Recessed track

Three phase recessed track, 3 circuit grey colour L=2 m	CMP00763
Three phase recessed track, 3 circuit black colour L=2 m	CMP00769
Three phase recessed track, 3 circuit white colour L=2 m	CMP00766
Three phase recessed track, 3 circuit grey colour L=3 m	CMP00764
Three phase recessed track, 3 circuit black colour L=3 m	CMP00770
Three phase recessed track, 3 circuit white colour L=3 m	CMP00767
Three phase recessed track, 3 circuit grey colour L=4 m	CMP00765
Three phase recessed track, 3 circuit black colour L=4 m	CMP00771
Three phase recessed track, 3 circuit white colour L=4 m	CMP00768

Feeding connector

RIGHT feeding connector, 3 circuit track, white colour	CMP00824
LEFT feeding connector, 3 circuit track, white colour	CMP00825
RIGHT feeding connector, 3 circuit track, grey colour	CMP00804
LEFT feeding connector, 3 circuit track, grey colour	CMP00805
RIGHT feeding connector, 3 circuit track, black colour	CMP00814
LEFT feeding connector, 3 circuit track, black colour	CMP00815

In line joint

In line joint, 3 circuit track, set of grey, white and black colour	CMP00800
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Straight joint

Straight joint with power feeding, 3 circuit track, white colour	CMP00826
Straight joint with power feeding, 3 circuit track, white grey	CMP00806
Straight joint with power feeding, 3 circuit track, white black	CMP00816

90° joint

90° joint with power feeding, white colour	CMP00827
90° joint with power feeding, grey colour	CMP00807
90° joint with power feeding, black colour	CMP00817

Variable joint

Variable joint with power feeding, white colour	CMP00828
Variable joint with power feeding, grey colour	CMP00808
Variable joint with power feeding, black colour	CMP00818

T joint

T-A joint with power feeding, 3 circuit track, white colour	CMP00829
T-A joint with power feeding, 3 circuit track, grey colour	CMP00809
T-A joint with power feeding, 3 circuit track, black colour	CMP00819

T joint

T-B joint with power feeding, 3 circuit track, white colour	CMP00754
T-C joint with power feeding, 3 circuit track, white colour	CMP00755
T-D joint with power feeding, 3 circuit track, white colour	CMP00756
T-B joint with power feeding, 3 circuit track, black colour	CMP00757
T-C joint with power feeding, 3 circuit track, black colour	CMP00758
T-D joint with power feeding, 3 circuit track, black colour	CMP00759
T-B joint with power feeding, 3 circuit track, grey colour	CMP00760
T-C joint with power feeding, 3 circuit track, grey colour	CMP00761
T-D joint with power feeding, 3 circuit track, grey colour	CMP00762

End cap

End cap, white colour	CMP00799
End cap, grey colour	CMP00797
End cap, black colour	CMP00798

Ceiling clip

Track ceiling / hanging clip, white colour	CMP00793
Track ceiling / hanging clip, grey colour	CMP00791
Track ceiling / hanging clip, black colour	CMP00792

Hanging bracket

Hanging track fastening bracket, white colour	CMP00790
Hanging track fastening bracket, grey colour	CMP00788
Hanging track fastening bracket, black colour	CMP00789

Adjustable bracket

Ceiling adjustable bracket, white colour	CMP00787
Ceiling adjustable bracket, grey colour	CMP00785
Ceiling adjustable bracket, black colour	CMP00786

Connection bracket

Connection bracket for track hanging, white colour	CMP00784
Connection bracket for track hanging, grey colour	CMP00782
Connection bracket for track hanging, black colour	CMP00783

Suspension kit

Suspension kit with L=1,5 m cable	CMP00777
Suspension kit with L=4 m cable	CMP00778
Suspension kit with L=6 m cable	CMP00779

Track cover

Track cover L=2 m, white colour	CMP00776
Track cover L=2 m, black	CMP00775



JAZZ

APPLICATIONS

The Jazz track spotlight is a synthesis of lighting ideals for a retail product. It combines minimal and compact design with incredible performance, thanks to the use of a new family of Bridgelux Vero 18 LED. The colour selection is of particular importance, with CRI>97 peaks for the warm white version. Active cooling in the 50W version and the use of a thermal protection system, guarantees maximum lifespan and performance over time.



FEATURES

2700K with >90 CRI

High efficiency reflector

Minimal and compact design

Active cooling system (50W version)

High efficiency (>100 lm/W)

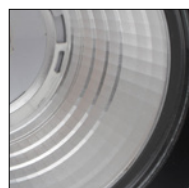
ANSI compliant binning, 2 step MacAdams ellipse for each individual lot

Excellent lumen maintenance and colour stability over time

IP20 protection rating

Long life and low maintenance costs

Ecological, no disposal restrictions



High efficiency reflector



LED COB



Active cooling



UNIpro connector

SPECIFICATIONS

Performance

LED type	COB
LED nr. and model	1 x Bridgelux Vero 18
Total lumen output (at 85°C)	Up to 5600 lm
Colour temperature	2700 - 3000 - 3500 - 4000 - 5000 - 5500 K
Binning	2 step ellipse MacAdam
CRI	>90, >80
Other colours	n.d.

Electrical

Supply type	Main voltage
Supply value	230Vac 50/60Hz
Maximum power consumption	Up to 45W
Connection	UNipro connector

Physical

Body material	Alluminium
Body finish	Anodization
Optic material	Metalized polycarbonate
Optic type	Reflector
Screen material	Clear polycarbonate
Dissipation	Passive / active
Protection rating	IP20
Class	I
Weight	1,4 Kg
Dimensions	See technical drawing
Operating temperature range	-25 / +70 °C
MTBF (LM80)	50.000 hrs
Mounting	Track system

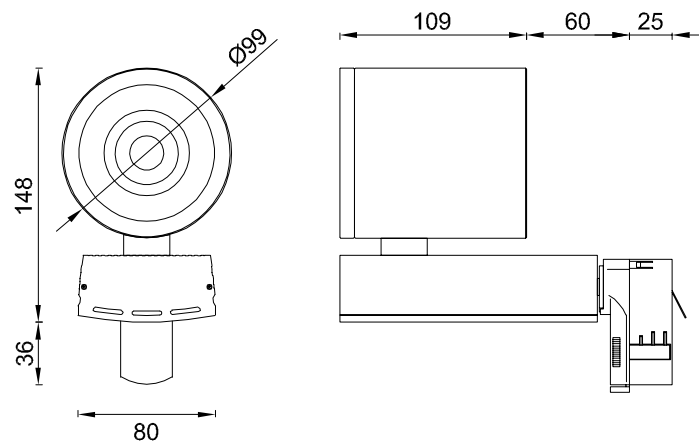
HOW TO ORDER

Model	Colour	Power	CRI	Optic	Colour
JAZZ	□	□□□	□□□	□□□	□□□
JAZZ Jazz	B White RAL9010 N Black RAL9005	020 20 W 045 45 W	C90 CRI > 90 C97 CRI > 97	025 25° 038 38° 055 55°	K27 Warm white 2700K K30 Warm white 3000K K40 Neutral white 4000K K50 Cold white 5000K

Order code example: **JAZZ-B020C97025K27**

Note: not all combinations of technical features are possible, check with our technical office at the e-mail address tecnico@futuroluce.it

TECHNICAL DRAWING



ACCESSORIES

Complements

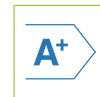
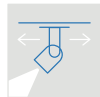
Anti-glare honey cumb	CMP01038
Anti-glare lid	CMP01039
Barndoor	CMP01040



SOUL

APPLICATIONS

Soul projector has been specifically developed for accent lighting in museum, art galleries, showroom and hi-end retail shops. Thanks to its adjustable beam angle fro 15° to 70°, this product find space in all projects in were versatility is a key point. Wherever it's frequently required to change the exposition set up and display objects with different dimensions for example, than it's very easy to adjust the lighting scenario. It's available in 3 different power output.



FEATURES

- Zoom optic 15-70°
- Available in 3 different power output
- Minimal and compact design
- High efficiency (>100 lm/W)
- ANSI compliant binning, 2 step MacAdams ellipse for each individual lot
- Excellent lumen maintenance and colour stability over time
- IP20 protection rating
- Long life and low maintenance costs
- Ecological, no disposal restrictions

SPECIFICATIONS

Performance

LED type	Led ARRAY
LED nr. and model	1 x Cree CXA
Total lumen output (at 85°C)	1100 / 1300 / 2300 lm
Colour temperature	2700 / 3000 / 4000 / 5000 K
Binning	3 step MacAdam ellipses
CRI	> 80 o >90
Other colours	n.d.

Electrical

Supply type	Main voltage
Supply value	230 Vac 50/60 Hz
Maximum power consumption	15 / 20 / 30 W
Connection	UniPRO connector

Physical

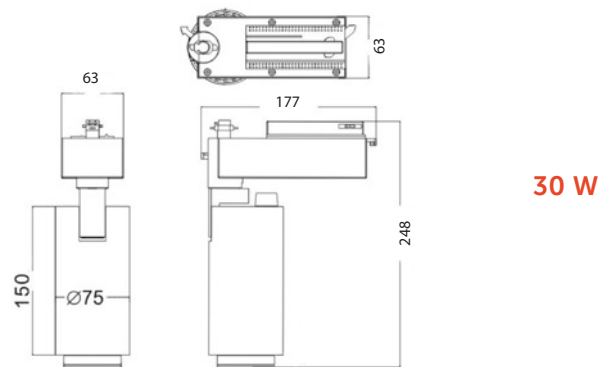
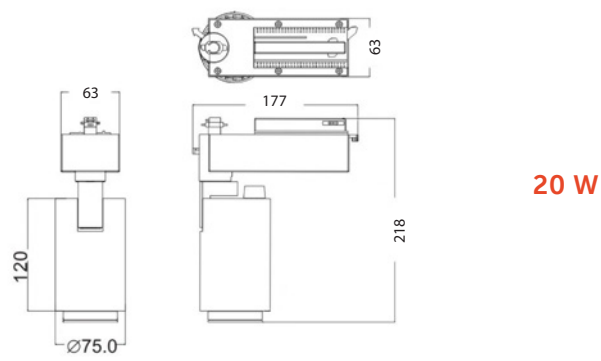
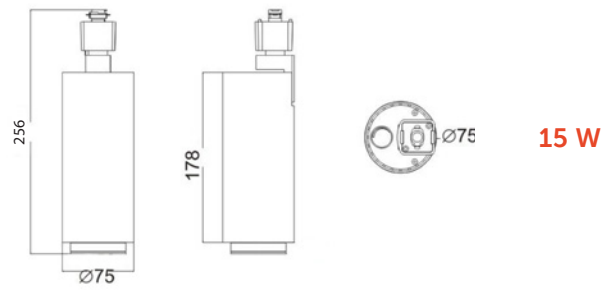
Body material	Aluminium
Body finish	Painting
Optic material	Glass
Optic type	Flat/convex lens
Screen material	n.a.
Dissipation	Passive
Protection rating	IP20
Class	I
Weight	1 / 1,2 Kg
Dimensions	See technical drawing
Operating temperature range	-20 / +50 °C
MTBF (LM80)	50000 hrs
Mounting	Track system

HOW TO ORDER

Model	Colour	Power	CRI	Optic	Colour
SOUL	□	□□	□□□	ADJ	□□□
SOUL Soul	B White RAL9010 N Black RAL9005	015 15 W 020 20 W 030 30 W	C80 CRI > 80 C90 CRI > 90	ADJ Zoom 15°-70°	K27 Warm white 2700K K30 Warm white 3000K K40 Neutral white 4000K K50 Cold white 5000K

Order code example: SOUL-B020C90ADJK30

TECHNICAL DRAWING



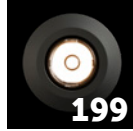
FUTUROLUCE

EXTERIORS

RECESSED 195



Step



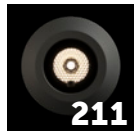
Tiny



Glare1



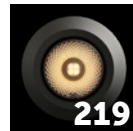
Sub1



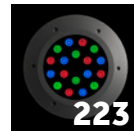
Drop1



Drop4



Glare8

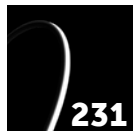


Bonn

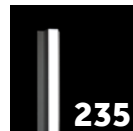
LINEAR 227



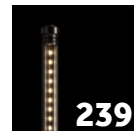
Spline micro



Spline



Bergamo

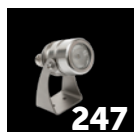


Twenty5

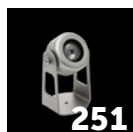


Bologna

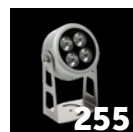
FLOODLIGHTS 247



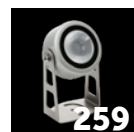
Sub2



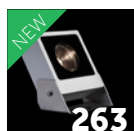
Dubai2



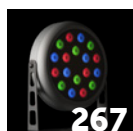
Dubai4



Dubai8



Boxy



Hannover



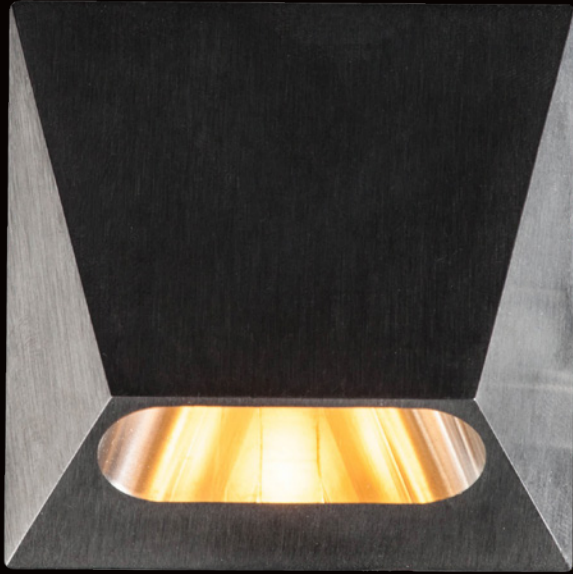
Tip



Tip-lean



Tip-high



STEP

APPLICATIONS

Fixed recessed luminaire of the Step series are compact single-LED products particularly suitable as an outdoor steplight. Being installed on walls, this product can be used to mark steps and walkways, for decorative warning purposes. Thanks to the specific flange designed for an asymmetrical distribution of the beam, this product delivers efficient and soft illumination of the ground surface ensuring maximum comfort. Step is strongly characterized by linear and essential design, which interact harmoniously with any type of setting, making it a unique and distinctive product. All fixtures are already equipped with a connection cable for a flawless installation, extendable on request.



FEATURES

High efficiency (>120 lm/W)

ANSI compliant binning

Excellent lumen maintenance and colour stability over time

Extensive dimming range - fully dimmable, with external dimmer

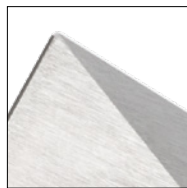
Highly efficient secondary optics

IP67 protection rating

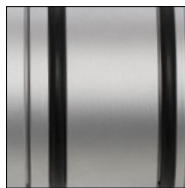
Suitable for wall mounting

Long life and low maintenance costs

Ecological, no disposal restrictions



Flange



O-Ring



Cable gland

STEP

SPECIFICATIONS

Performance

LED type	High power
LED nr. and model	1xCree XP-E o XP-G
Total lumen output (at 85°C)	Up to 220 lm
Colour temperature (white light)	2800 - 3200 - 4200 - 5500 K
Binning	2 step MacAdam ellipses
CRI	>90 (2800 - 3200 K), >80 (4200 - 5500 K)
Other colours	On request

Electrical

Supply type	Constant current / constant voltage
Supply value	700 mA / 24 Vdc
Maximum power consumption	2,4 W
Connection	Cable 2x0.5 mmq L=2 m

Physical

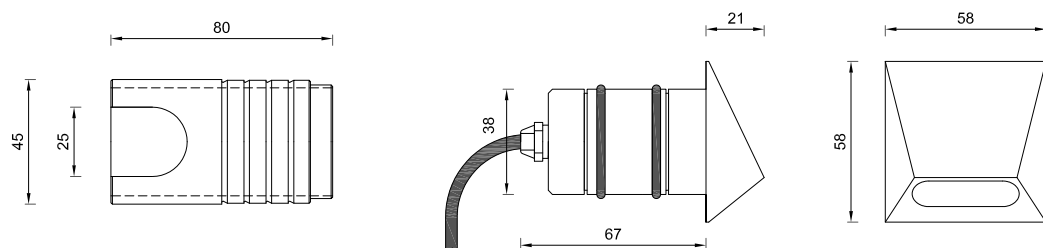
Body material	Anti-corrosion aluminium
Body finish	Anodization
Optic material	PMMA
Optic type	Diffuse
Screen material	6 mm thick extra-clear tempered glass
Dissipation	Passive
Protection rating	IP67
Class	III
Weight	0,2 Kg
Dimensions	See technical drawing
Operating temperature range	-20 / +70 °C
MTBF (LM80)	50.000 hrs
Mounting	Wall recessed with mounting sleeve

HOW TO ORDER

Model	Supply	Colour
▼	▼	▼
STP	UUU	UUU
STP Step	700 700 mA 724 700 mA @24 Vdc	WW2 Warm white 2800K WW3 Warm white 3200K NW4 Neutral white 4200K CW5 Cold White 5500K

Order code example: **STP-700WW2**

TECHNICAL DRAWING



ACCESSORIES

Cables

2-pole power supply cable extra length L=2 m (tot. 4 m, monochromatic)	CABLO202P
2-pole power supply cable extra length L=4 m (tot. 6 m, monochromatic)	CABLO402P
2-pole power supply cable extra length L=6 m (tot. 8 m, monochromatic)	CABLO602P
2-pole power supply cable extra length L=8 m (tot. 10 m, monochromatic)	CABLO802P
2-pole power supply cable extra length L=10 m (tot. 12 m, monochromatic)	CABL1002P

Mounting kit

Concrete sleeve (corrosion-resistant aluminium)	TRN00164
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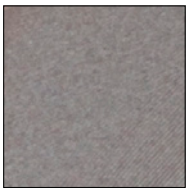






Flanges

V4A stainless steel flange	TRN00385
Brass flange	TRN00475

Watertight connections

IP68 Paguro 5665 Junction box - 2x2,5 sqmm - parallel connection	CMP00850
IP68 Paguro 5664/20 Junction box - 4x2,5 sqmm - parallel connection	CMP00852

Finishes (to be combined to the relative flanges)

			
Dark brown anodized aluminium ALL-BRZ	Mirror polished stainless steel ACC-L	Brushed stainless steel ACC-S	Mirror polished brass OTT-L
			
Light antiqued brass OTT-C	Dark antiqued brass OTT-A	Mirror polished gold GLD-L	



TINY

APPLICATIONS

Fixed recessed luminaires of the Tiny series are ultra-compact single-LED products particularly suitable for outdoor areas. These products are typically used to achieve accent lighting effects on walkways, columns and architectural details. Several fixtures in a row can be installed to highlight interesting building details or for marking and warning purposes. Equipped with round flange, this series adapts perfectly to existing architectural features and is particularly fitting to any situation that require a high Protection rating. The Tiny series is strongly characterized by linear and essential design, which interact harmoniously with any type of setting leaving to the performance of the product its expressive character. All fixtures are already equipped with a connection cable for a flawless installation, extendable on request.



FEATURES

High efficiency (>120 lm/W)

ANSI compliant binning, 2 step MacAdams ellipse for each individual lot

Excellent lumen maintenance and colour stability over time

Extensive dimming range - fully dimmable, with external dimmer

Highly efficient secondary optics

IP67 protection rating

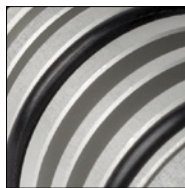
Walkover device

Long life and low maintenance costs

Ecological, no disposal restrictions



Flange and lens



Heat-sink



Cable gland

SPECIFICATIONS

Performance

LED type	High power
LED nr. and model	1x Cree XP-E o XP-G
Total lumen output (at 85°C)	Up to 220 lm
Colour temperature (white light)	2800 - 3200 - 4200 - 5500 K
Binning	2 step MacAdam ellipse
CRI	>90 (2800 - 3200 K), >80 (4200 - 5500 K)
Other colours	On request

Electrical

Supply type	Constant current
Supply value	700 mA
Maximum power consumption	2,4 W
Connection	2x0.5 sqmm cable L=2 m

Physical

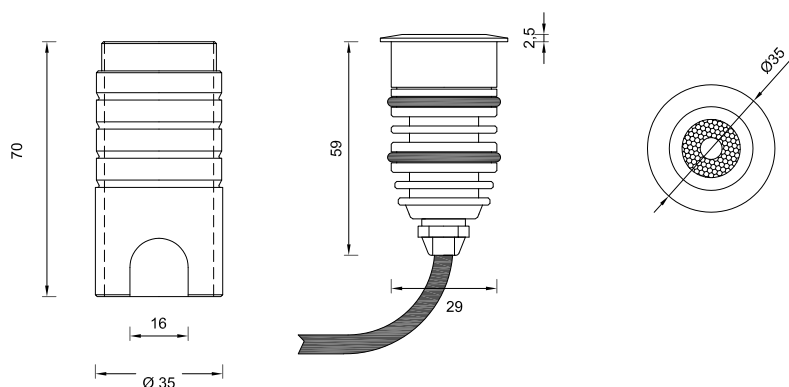
Body material	Corrosion-resistant aluminium
Body finish	Anodization
Optic material	PMMA
Optic type	TIR
Screen material	4 mm thick extra-clear safety glass
Dissipation	Passive
Protection rating	IP67
Class	III
Weight	0,15 Kg
Dimensions	See technical drawing
Operating temperature range	-20 / +70 °C
MTBF (LM80)	50.000 hrs
Mounting	Recessed with mounting sleeve or retaining spring kit

HOW TO ORDER

Model	LED nr.	Supply	Optic	Colour
tN1	01	□□□	□□□	□□□
tN1 Tiny	01 1 LED	350 350 mA 700 700 mA	010 10° 021 21° 039 39° 057 57° x44 10° x 44°	WW2 Warm white 2800K WW3 Warm white 3200K NW4 Neutral white 4200K CW5 Cold White 5500K

Order code example: tN1-01350x44NW4

TECHNICAL DRAWING



ACCESSORIES

Cables

2-pole power supply cable extra length L=2 m (tot. 4 m, monochromatic)	CABLO202P
2-pole power supply cable extra length L=4 m (tot. 6 m, monochromatic)	CABLO402P
2-pole power supply cable extra length L=6 m (tot. 8 m, monochromatic)	CABLO602P
2-pole power supply cable extra length L=8 m (tot. 10 m, monochromatic)	CABLO802P
2-pole power supply cable extra length L=10 m (tot. 12 m, monochromatic)	CABL1002P

Mounting kit

Concrete sleeve (corrosion-resistant aluminium)	TRN00461
Retaining spring kit	TRN00473




Flanges

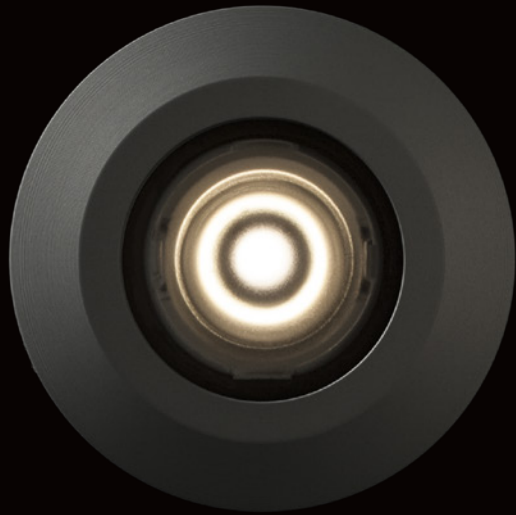
V4A stainless steel flange, diameter 35 mm	TRN00472
Brass flange, diameter 35 mm	TRN00474

Watertight connections

IP68 Paguro 5665 Junction box - 2x2,5 sqmm - parallel connection	CMP00850
IP68 Paguro 5664/20 Junction box - 4x2,5 sqmm - parallel connection	CMP00852

Finishes (to be combined to the relative flanges)

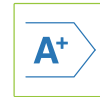
			
Dark brown anodized aluminium ALL-BRZ	Mirror polished stainless steel ACC-L	Brushed stainless steel ACC-S	Mirror polished brass OTT-L
			
Light antiqued brass OTT-C	Dark antiqued brass OTT-A	Mirror polished gold GLD-L	



GLARE1

APPLICATIONS

Fixed recessed luminaires of the Glare1 series, the comfort version of Tiny, are compact single-LED products particularly suitable for lighting design of outdoor areas. These products are typically used to achieve ambient, scenic or accent lighting effects on walkways, vegetation and vertical surfaces. The discerning use of the withdrawn lens allows the achievement of low UGR. Several fixtures in a row can be installed to highlight specific architectural elements or for marking and warning purposes. Equipped with round or square flange, this series adapts perfectly to existing architectural features and is particularly fitting to any situation that requires a high Protection rating. The Glare1 series is characterized by linear and essential design, which interact harmoniously with any type of setting leaving to the performance of the product its expressive character. All fixtures are already equipped with a connection cable for a flawless installation, extendable on request.

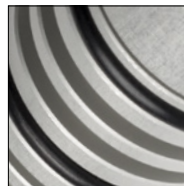


FEATURES

- High efficiency (>120 lm/W)
- ANSI compliant binning, 2 step MacAdams ellipse for each individual lot
- Excellent lumen maintenance and colour stability over time
- Extensive dimming range - fully dimmable, with external dimmer
- Highly efficient secondary optics
- IP67 protection rating
- Walkover device
- Long life and low maintenance costs
- Ecological, no disposal restrictions



Recessed lens



Heat-sink



Cable gland

SPECIFICATIONS

Performance

LED type	High power
LED nr. and model	1xCree XP-E o XP-G
Total lumen output (at 85°C)	Up to 220 lm
Colour temperature (white light)	2800 - 3200 - 4200 - 5500 K
Binning	2 step MacAdam ellipse
CRI	>90 (2800 - 3200 K), >80 (4200 - 5500 K)
Other colours	On request

Electrical

Supply type	Constant current
Supply value	350 / 700 mA
Maximum power consumption	2,4 W
Connection	2x0.5 mmq cable L=2m

Physical

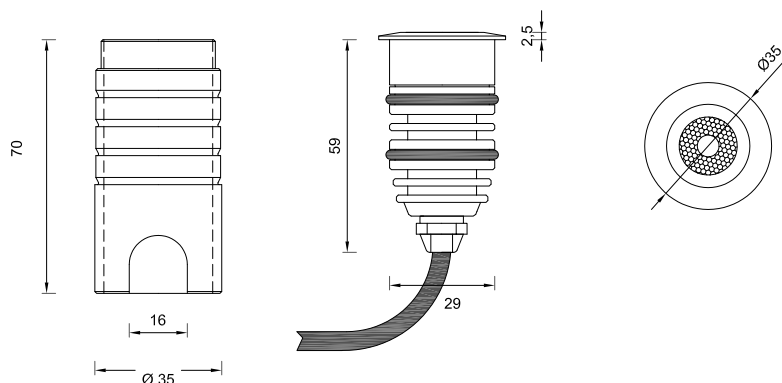
Body material	Corrosion-resistant aluminium
Body finish	Anodization
Optic material	PMMA
Optic type	TIR
Screen material	4 mm thick extra-clear safety glass
Dissipation	Passive
Protection rating	IP67
Class	III
Weight	0,15 Kg
Dimensions	See technical drawing
Operating temperature range	-20 / +70 °C
MTBF (LM80)	50.000 hrs
Mounting	Recessed with mounting sleeve or retaining spring kit

HOW TO ORDER

Model	LED nr.	Supply	Optic	Colour
gL1	01	□□□	□□□	□□□
gL1 Glare1	01 1 LED	350 350 mA 700 700 mA	010 10° 021 21°	WW2 Warm white 2800K WW3 Warm white 3200K NW4 Neutral white 4200K CW5 Cold White 5500K

Order code example: gL1-01350010NW4

TECHNICAL DRAWING



ACCESSORIES

Cables

2-pole power supply cable extra length L=2 m (tot. 4 m, monochromatic)	CABL0202P
2-pole power supply cable extra length L=4 m (tot. 6 m, monochromatic)	CABL0402P
2-pole power supply cable extra length L=6 m (tot. 8 m, monochromatic)	CABL0602P
2-pole power supply cable extra length L=8 m (tot. 10 m, monochromatic)	CABL0802P
2-pole power supply cable extra length L=10 m (tot. 12 m, monochromatic)	CABL1002P

Mounting kit

Concrete sleeve (corrosion-resistant aluminium)	TRN00461
Retaining spring kit	TRN00473

Flanges

V4A stainless steel flange, diameter 35mm	TRN00472
Brass flange, diameter 35 mm	TRN00474

Watertight connections

IP68 Paguro 5665 Junction box - 2x2,5 sqmm - parallel connection	CMP00850
IP68 Paguro 5664/20 Junction box - 4x2,5 sqmm - parallel connection	CMP00852

Finishes (to be combined to the relative flanges)



Dark brown
anodized aluminium
ALL-BRZ



Mirror polished
stainless steel
ACC-L



Brushed
stainless steel
ACC-S



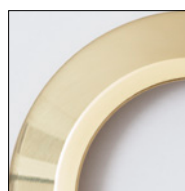
Mirror polished
brass
OTT-L



Light antiqued
brass
OTT-C



Dark antiqued
brass
OTT-A



Mirror polished
gold
GLD-L



SUB1

APPLICATIONS

The Sub1 recessed spotlight is specifically designed to enhance aquatic environment with an accent lighting in permanent submersion. The mounting sleeve allows its use in sidewalls of fountains, pools and water paths - for hotels and residential areas - while being completely unobtrusive. This product, with its stainless steel body, is extremely reliable. The RGB version is available for scenic effects in all situations where colour is required to create an evocative atmosphere. All fixtures are already equipped with a 5 m connection cable for a flawless installation, extendable on request.



FEATURES

High efficiency (>120 lm/W)

ANSI compliant binning, 2 step MacAdams ellipse for each individual lot

Excellent lumen maintenance and colour stability over time

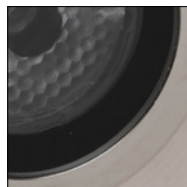
Extensive dimming range - fully dimmable, with external dimmer

Highly efficient secondary optics

IP68 protection rating

Long life and low maintenance costs

Ecological, no disposal restrictions



Glass and lens



O-Ring



Heat-sink



Cable gland

SPECIFICATIONS

Performance

LED type	High power
LED nr. and model	1x CREE XP-E o XP-G / Seoul P5II
Total lumen output (at 85°C)	Up to 220 lm
Colour temperature (white light)	2800 - 3200 - 4200 - 5500 K
Binning	2 step MacAdam ellipse
CRI	>90 (2700 - 3200 K), >80 (4200 - 5500 K)
Other colours	On request

Electrical

Supply type	Constant current
Supply value	350 / 700 mA
Maximum power consumption	Up to 3,6 W
Connection	2x0.5 mmq / 6x0,35 mmq cable L=5 m

Physical

Body material	V4A stainless steel
Body finish	Natural
Optic material	PMMA
Optic type	TIR
Screen material	6 mm thick extra-clear safety glass
Dissipation	Passive
Protection rating	IP68
Class	III
Weight	0,2 Kg
Dimensions	See technical drawing
Operating temperature range	-25 / +70 °C
MTBF (LM80)	50.000 hrs
Mounting	Recessed with mounting sleeve

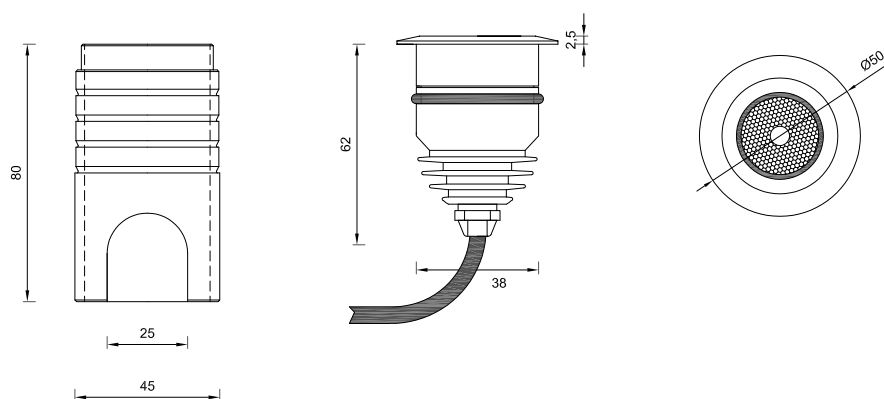
HOW TO ORDER

Model	LED nr.	Supply	Optic	Colour
sB1	01	□□□	□□□	□□□
sB1 Sub1	01 1 LED	350 350 mA (RGB) 700 700 mA (mono)	010 10° (mono) 021 21° (mono) 039 39° (mono) x44 10° x 44° (mono) 025 25° (RGB) 040 40° (RGB)	WW2 Warm white 2800K WW3 Warm white 3200K NW4 Neutral white 4200K CW5 Cold White 5500K RGB RGB

Order code example: **sB1-01350039NW4**

Note: not all combinations of technical features are possible, please check with our technical office at the e-mail address tecnico@futura luce.it

TECHNICAL DRAWING



ACCESSORIES

Cables

2-pole power supply cable extra length L=10 m (tot. 15 m, monochromatic)	CABL1002P
6-pole power supply cable extra length L=10 m (tot. 15 m, RGB)	CABL1006P

Mounting kit

Concrete sleeve (corrosion-resistant aluminium)	TRN00164
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Watertight connections

IP68 Paguro 5665 Junction box - 2x2,5 sqmm - parallel connection	CMP00850
IP68 Paguro 5650/3 Junction box - 3x2,5 sqmm - parallel connection	CMP00851
IP68 Paguro 5664/20 Junction box - 4x2,5 sqmm - parallel connection	CMP00852
IP68 Paguro 5633/6 Junction box - 6x0,5 sqmm - parallel connection	CMP00853
IP68 Paguro 5663 Junction box - 3x6 sqmm - series/parallel connection	CMP00854

Finishes (to be combined to the relative flanges)



Mirror polished
stainless steel
ACC-L



Brushed
stainless steel
ACC-S



DROP1

APPLICATIONS

Fixed recessed luminaires of the Drop1 series are compact single-LED products particularly suitable for lighting design of outdoor areas. These products are typically used to achieve general, scenic or accent lighting effects on walkways, vegetation and vertical surfaces. Several fixtures in a row can be installed to highlight interesting building details or for marking and warning purposes. Equipped with round or square flange, this series adapts perfectly to existing architectural features and is particularly fitting to any situation that require a high Protection rating. The Drop1 series is strongly characterized by linear and essential design, which interact harmoniously with any type of setting leaving to the performance of the product its expressive character. All fixtures are already equipped with a connection cable for a flawless installation, extendable on request.



FEATURES

High efficiency (>120 lm/W)

ANSI compliant binning, 2 step MacAdams ellipse for each individual lot

Excellent lumen maintenance and colour stability over time

Extensive dimming range - fully dimmable, with external dimmer

Highly efficient secondary optics

IP67 protection rating

Walkover device

Long life and low maintenance costs

Ecological, no disposal restrictions



Glass and lens



O-Ring



Cable gland

SPECIFICATIONS

Performance

LED type	High power
LED nr. and model	1x CREE XP-E o XP-G / Seoul P5II
Total lumen output (at 85°C)	Up to 220 lm
Colour temperature (white light)	2800 - 3200 - 4200 - 5500 K
Binning	2 step MacAdam ellipse
CRI	>90 (2800 - 3200 K), >80 (4200 - 5500 K)
Other colours	On request

Electrical

Supply type	Constant current / constant voltage
Supply value	350 / 700 mA / 24 Vdc
Maximum power consumption	1,2 / 2,4 / 3,6 W
Connection	cable L=2 m (6x0,35 mmq / 2x0.5 mmq)

Physical

Body material	Corrosion-resistant aluminium
Body finish	Anodization
Optic material	PMMA
Optic type	TIR
Screen material	6 mm thick extra-clear safety glass
Dissipation	Passive
Protection rating	IP67
Class	III
Weight	0,2 Kg
Dimensions	See technical drawing
Operating temperature range	-25 / +70 °C
MTBF (LM80)	50.000 hrs
Mounting	Recessed with mounting sleeve or retaining spring kit

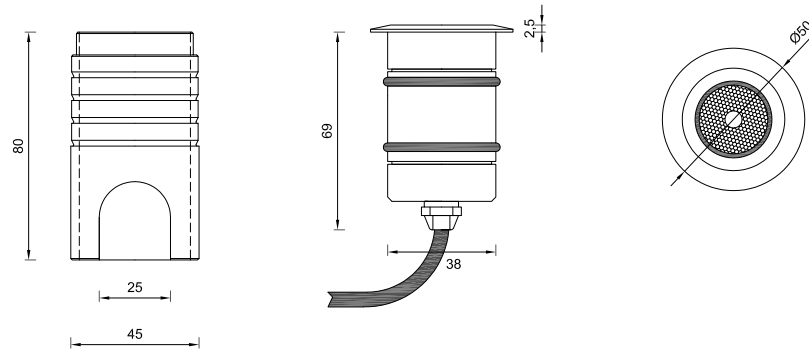
HOW TO ORDER

Model ▼	LED nr. ▼	Supply ▼	Optic ▼	Colour ▼
dR1	01	UUU	UUU	UUU
dR1 Drop1	01 1 LED	350 350 mA (mono and RGB) 324 350 mA @ 24 Vdc (mono) 700 700 mA (mono) 724 700 mA @ 24 Vdc (mono)	010 10° (mono) 021 21° (mono) 039 39° (mono) x44 10° x 44° (mono) 120 120° (mono and RGB) 025 25° (RGB) 040 40° (RGB)	WW2 Warm white 2800K WW3 Warm white 3200K NW4 Neutral white 4200K CW5 Cold White 5500K RGB RGB

Order code example: **dR1-01324021WW2**

Note: not all combinations of technical features are possible, please check with our technical office at the e-mail address tecnico@futuraoluce.it

TECHNICAL DRAWING



ACCESSORIES

Cables

2-pole power supply cable extra length L=2 m (tot. 4 m, monochromatic)	CABL0202P
2-pole power supply cable extra length L=4 m (tot. 6 m, monochromatic)	CABL0402P
2-pole power supply cable extra length L=6 m (tot. 8 m, monochromatic)	CABL0602P
2-pole power supply cable extra length L=8 m (tot. 10 m, monochromatic)	CABL0802P
6-pole power supply cable extra length L=2 m (tot. 4 m, RGB)	CABL0206P
6-pole power supply cable extra length L=4 m (tot. 6 m, RGB)	CABL0406P
6-pole power supply cable extra length L=6 m (tot. 8 m, RGB)	CABL0606P
6-pole power supply cable extra length L=8 m (tot. 10 m, RGB)	CABL0806P

Mounting kit

Concrete sleeve (corrosion-resistant aluminium)	TRN00164
Retaining spring kit	TRN00210

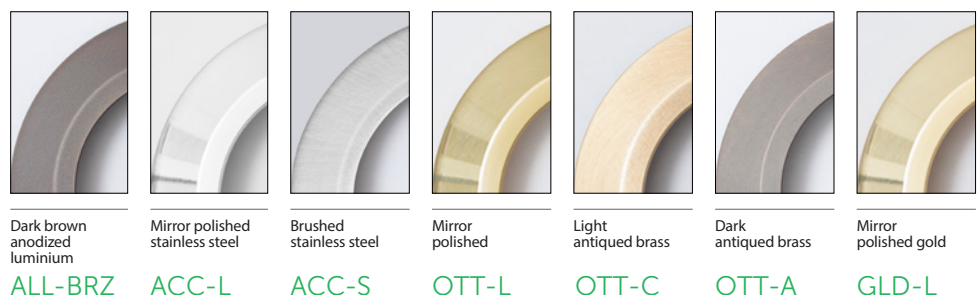
Flanges

V4A stainless steel flange, diameter 50 mm	TRN00140
Brass flange, diameter 50 mm	TRN00231
Aluminium flange with fixing holes, diameter 80 mm	TRN00183
V4A stainless steel flange with fixing holes, diameter 80mm	TRN00476
Square aluminium flange, dim. 50 x 50 mm	TRN00260
Square brass flange, dim. 50 x 50 mm	TRN00261

Watertight connections

IP68 Paguro 5665 Junction box - 2x2,5 sqmm - parallel connection	CMP00850
IP68 Paguro 5650/3 Junction box - 3x2,5 sqmm - parallel connection	CMP00851
IP68 Paguro 5664/20 Junction box - 4x2,5 sqmm - parallel connection	CMP00852
IP68 Paguro 5633/6 Junction box - 6x0,5 sqmm - parallel connection	CMP00853
IP68 Paguro 5663 Junction box - 3x6 sqmm - series/parallel connection	CMP00854

Finishes (to be combined to the relative flanges)



ALL-BRZ ACC-L ACC-S OTT-L OTT-C OTT-A GLD-L



DROP4

APPLICATIONS

Fixed recessed luminaire of the Drop4 series are compact 4-LED products particularly suitable for lighting design of outdoor areas. These products are typically used to achieve ambient, scenic or accent lighting effects on walkways, vegetation and urban facades. Several fixtures in a row can be installed to highlight interesting architectural details or for marking and warning purposes. Equipped with round or square flange, this series adapts perfectly to existing architectural features and is particularly fitting to any situation that requires a high Protection rating. When design requirements are particularly complex, Drop4 allows to manage with greater flexibility the scenic lighting of architectures, by using more fixture in a row instead of a single stronger source. All fixtures are already equipped with a connection cable for a flawless installation, extendable on request.



FEATURES

High efficiency (>120 lm/W);
ANSI compliant binning, 2 step MacAdams ellipse for each individual lot
Excellent lumen maintenance and colour stability over time
Extensive dimming range - fully dimmable, with external dimmer
Highly efficient secondary optics
IP67 protection rating
Walkover device
Long life and low maintenance costs
Ecological, no disposal restrictions



Glass and lenses



O-Ring



Cable gland

SPECIFICATIONS

Performance

LED type	High power
LED nr. and model	4x CREE XP-E o XP-G / 3x Seoul P5II
Total lumen output (at 85°C)	Up to 880 lm
Colour temperature (white light)	2800 - 3200 - 4200 - 5500 K
Binning	2 step MacAdam ellipse
CRI	>90 (2800 - 3200 K), >80 (4200 - 5500 K)
Other colours	On request

Electrical

Supply type	Constant current / constant voltage
Supply value	350 / 700 mA / 24 Vdc
Maximum power consumption	5 - 10 W
Connection	cable L=2 m (2x0.5 mmq / 6x0,35 mmq)

Physical

Body material	Corrosion-resistant aluminium
Body finish	Anodization
Optic material	PMMA
Optic type	TIR
Screen material	6 mm thick extra-clear safety glass
Dissipation	Passive
Protection rating	IP67
Class	III
Weight	0,5 Kg
Dimensions	See technical drawing
Operating temperature range	-25 / +70 °C
MTBF (LM80)	50.000 hrs
Mounting	Recessed with mounting sleeve or retaining spring kit

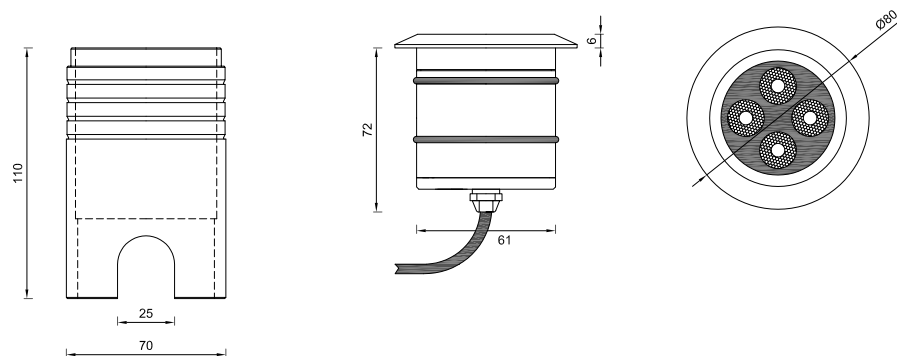
HOW TO ORDER

Model ▼	LED nr. ▼	Supply ▼	Optic ▼	Colour ▼
dR4	□□	□□□	□□□	□□□
dR4 Drop4	03 3 LED 04 4 LED	350 350 mA (RGB) 324 350 mA @ 24 Vdc (mono) 700 700 mA (mono) 724 700 mA @ 24 Vdc (mono)	010 10° (mono) 021 21° (mono) 039 39° (mono) x44 10° x 44° (mono) 025 25° (RGB) 040 40° (RGB)	WW2 Warm white 2800K WW3 Warm white 3200K NW4 Neutral white 4200K CW5 Cold White 5500K RGB RGB

Order code example: **dR4-04724021WW3**

Note: not all combinations of technical features are possible, please check with our technical office at the e-mail address tecnico@futuraoluce.it

TECHNICAL DRAWING



ACCESSORIES

Cables

2-pole power supply cable extra length L=2 m (tot. 4 m, monochromatic)	CABL0202P
2-pole power supply cable extra length L=4 m (tot. 6 m, monochromatic)	CABL0402P
2-pole power supply cable extra length L=6 m (tot. 8 m, monochromatic)	CABL0602P
2-pole power supply cable extra length L=8 m (tot. 10 m, monochromatic)	CABL0802P
6-pole power supply cable extra length L=2 m (tot. 4 m, RGB)	CABL0206P
6-pole power supply cable extra length L=4 m (tot. 6 m, RGB)	CABL0406P
6-pole power supply cable extra length L=6 m (tot. 8 m, RGB)	CABL0606P
6-pole power supply cable extra length L=8 m (tot. 10 m, RGB)	CABL0806P

Mounting kit

Concrete sleeve (corrosion-resistant aluminium)	TRN00007
Retaining spring kit	TRN00247

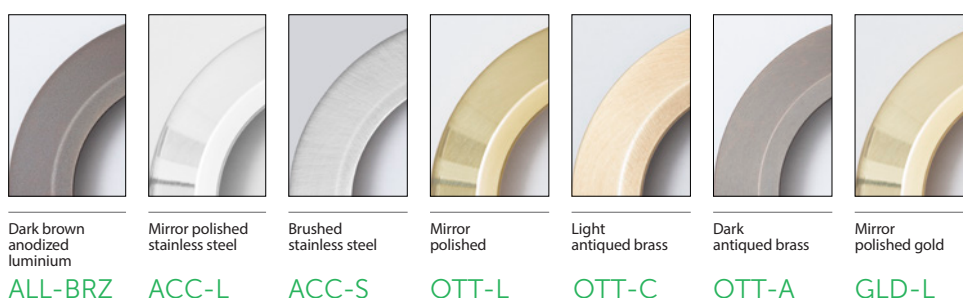
Flanges

V4A stainless steel flange, diameter 80 mm	TRN00004
Brass flange, diameter 80 mm	TRN00226
Aluminium flange with fixing holes, diameter 120 mm	TRN00159
Square aluminium flange, dim. 80 x 80 mm	TRN00262
Square brass flange, dim. 80 x 80 mm	TRN00263

Watertight connections

IP68 Paguro 5665 Junction box - 2x2,5 sqmm - parallel connection	CMP00850
IP68 Paguro 5650/3 Junction box - 3x2,5 sqmm - parallel connection	CMP00851
IP68 Paguro 5664/20 Junction box - 4x2,5 sqmm - parallel connection	CMP00852
IP68 Paguro 5633/6 Junction box - 6x0,5 sqmm - parallel connection	CMP00853
IP68 Paguro 5663 Junction box - 3x6 sqmm - series/parallel connection	CMP00854

Finishes (to be combined to the relative flanges)



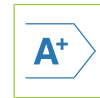
Dark brown anodized aluminium	Mirror polished stainless steel	Brushed stainless steel	Mirror polished	Light antiqued brass	Dark antiqued brass	Mirror polished gold
ALL-BRZ	ACC-L	ACC-S	OTT-L	OTT-C	OTT-A	GLD-L



GLARE8

APPLICATIONS

Fixed recessed luminaire of the Glare8 series, the comfort version of the Drop4, are compact single-LED products particularly suitable for lighting design of outdoor areas. These products are typically used to achieve ambient, scenic or accent lighting effects on walkways, vegetation and urban facades. The main feature is the single optic that solves the issue of overlapping shadows normally resulting from multi-optical products. Several fixtures in a row can be installed to highlight interesting architectural contexts or for marking and warning purposes. Equipped with round or square flange, this series adapts perfectly to existing architectural features and is particularly fitting to any situation that requires a high Protection rating and medium power output. Glare8 is driven in constant voltage which allows to connect in parallel several modules to the same power supply, so it's very easy to install. All fixtures are already equipped with a connection cable for a flawless installation, extendable on request.



FEATURES

High efficiency (>120 lm/W)

ANSI compliant binning, 2 step MacAdams ellipse for each individual lot

Excellent lumen maintenance and colour stability over time

Extensive dimming range - fully dimmable, with external dimmer

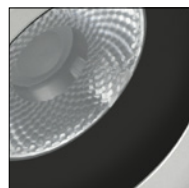
Highly efficient secondary optics

IP67 protection rating

Walkover device

Long life and low maintenance costs

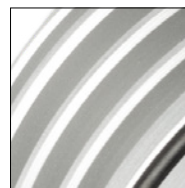
Ecological, no disposal restrictions



Recessed lens



O-Ring



Heat-Sink



Cable gland

SPECIFICATIONS

Performance

LED type	High power
LED nr. and model	1x CREE XHP70
Total lumen output (at 85°C)	Up to 1300 lm
Colour temperature (white light)	2800 - 3200 - 4200 - 5500 K
Binning	2 step MacAdam ellipse
CRI	>90 (2800 - 3200 K), >80 (4200 - 5500 K)
Other colours	On request

Electrical

Supply type	Constant voltage
Supply value	24 Vdc
Maximum power consumption	10 W
Connection	2x0.5 mmq cable L=2 m

Physical

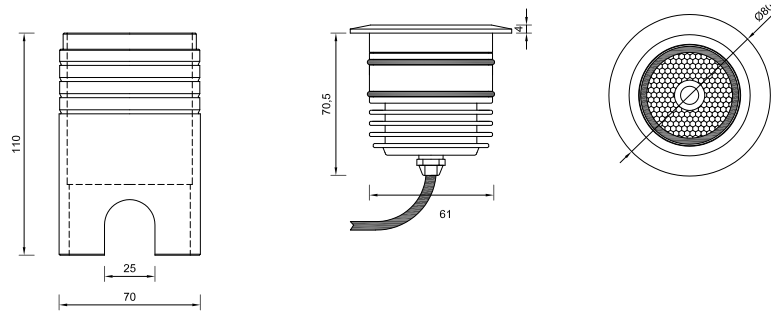
Body material	Corrosion-resistant aluminium
Body finish	Anodization
Optic material	PMMA
Optic type	TIR
Screen material	6 mm thick extra-clear safety glass
Dissipation	Passive
Protection rating	IP67
Class	III
Weight	0,5 Kg
Dimensions	See technical drawing
Operating temperature range	-25 / +70 °C
MTBF (LM80)	50.000 hrs
Mounting	Recessed with mounting sleeve or retaining spring kit

HOW TO ORDER

Model ▼	Supply ▼	Optic ▼	Colour ▼
gL8	□□□	□□□	□□□
gL8 Glare8	324 350 mA @24 Vdc 724 700 mA @24 Vdc	006 6° 020 20° 035 35°	WW2 Warm white 2800K WW3 Warm white 3200K NW4 Neutral white 4200K CW5 Cold White 5500K

Order code example: **gL8-724020WW2**

TECHNICAL DRAWING



ACCESSORIES

Cables

2-pole power supply cable extra length L=2 m (tot. 4 m)	CABL0202P
2-pole power supply cable extra length L=4 m (tot. 6 m)	CABL0402P
2-pole power supply cable extra length L=6 m (tot. 8 m)	CABL0602P
2-pole power supply cable extra length L=8 m (tot. 10 m)	CABL0802P
2-pole power supply cable extra length L=10 m (tot. 12 m)	CABL1002P

Mounting kit

Concrete sleeve (corrosion-resistant aluminium)	TRN00007
Retaining spring kit	TRN00247

Flanges

V4A stainless steel flange, diameter 80 mm	TRN00004
Brass flange, diameter 80 mm	TRN00226
Aluminium flange with fixing holes, diameter 120 mm	TRN00159
Corrosion-resistant aluminium square flange, dim. 80 x 80 mm	TRN00262
Brass square flange, dim. 80 x 80 mm	TRN00263

Watertight connections

IP68 Paguro 5665 Junction box - 2x2,5 sqmm - parallel connection	CMP00850
IP68 Paguro 5664/20 Junction box - 4x2,5 sqmm - parallel connection	CMP00852

Finishes (to be combined to the relative flanges)



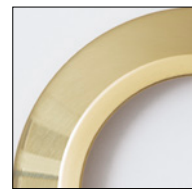
Dark brown
anodized aluminium
ALL-BRZ



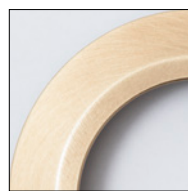
Mirror polished
stainless steel
ACC-L



Brushed
stainless steel
ACC-S



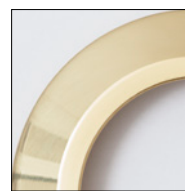
Mirror polished
brass
OTT-L



Light antiqued
brass
OTT-C



Dark antiqued
brass
OTT-A



Mirror polished
gold
GLD-L



BONN

APPLICATIONS

The Bonn recessed floodlight is suitable for the diffused lighting of buildings, architectural elements and outdoor areas. In-ground installation gives the possibility to illuminate urban facades, arches, vertical surfaces and tall trees. Through different configurations of the secondary optics, it can be used to achieve a variety of scenic effects such as a floodlight to illuminate the facades of buildings, or as spotlight to highlight interesting architectural features. RGB version is also available for scenic effects in all situations where colour is required to create an evocative atmosphere. All fixtures are already equipped with a connection cable for a flawless installation.



FEATURES

High efficiency (>120 lm/W)

ANSI compliant binning, 2 step MacAdams ellipse for each individual lot

Excellent lumen maintenance and colour stability over time

Extensive dimming range - fully dimmable, with external dimmer

Highly efficient secondary optics

IP67 protection rating

Walkover device

Long life and low maintenance costs

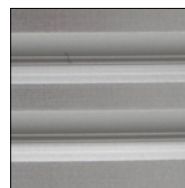
Ecological, no disposal restrictions



Lens



Flange fixing



Mounting sleeve

SPECIFICATIONS

Performance

LED type	High power
LED nr. and model	12 / 18 x Cree XP-E o XP-G / Seoul P5II
Total lumen output (at 85°C)	Up to 3900 lm
Colour temperature (white light)	2800 - 3200 - 4200 - 5500 K
Binning	2 step MacAdam ellipse
CRI	>90 (2800 - 3200 K), >80 (4200 - 5500 K)
Other colours	RGB and on request

Electrical

Supply type	Constant current / constant voltage
Supply value	350 mA / 700 mA / 24 Vdc
Maximum power consumption	Up to 44 W
Connection	M12 2/4/6 poles connector

Physical

Body material	Corrosion-resistant aluminium
Body finish	Anodization
Optic material	PMMA
Optic type	TIR
Screen material	6 mm thick extra-clear safety glass
Dissipation	Passive
Protection rating	IP67
Class	III
Weight	5 Kg
Dimensions	See technical
Operating temperature range	-20 / +70 °C
MTBF (LM80)	50.000 hrs
Mounting	In ground recessed

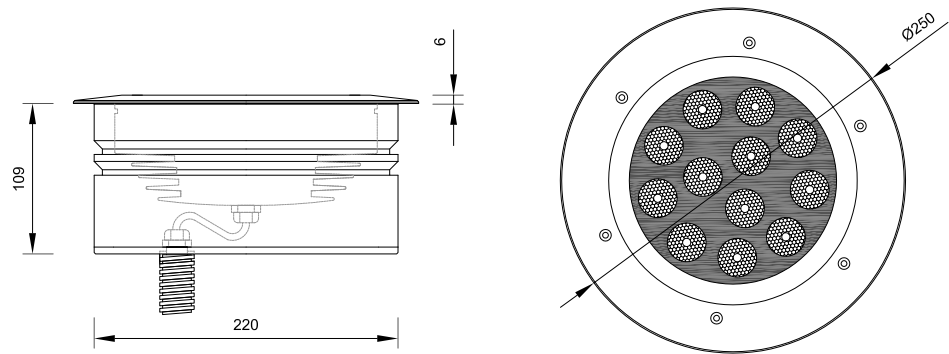
HOW TO ORDER

Model ▼	LED nr. ▼	Supply ▼	Optic ▼	Colour ▼
bN250	□□	□□□	□□□	□□□
bN250 Bonn	12 12 LED 18 18 LED	350 3 x 350 mA (RGB) 324 3 x 350 mA @ 24 Vdc (RGB) 700 700 mA (mono) 724 700 mA @ 24 Vdc (mono)	010 10° (mono) 021 21° (mono) 039 39° (mono) x44 10° x 44° (mono) 025 25° (RGB) 040 40° (RGB)	WW2 Warm white 2800K WW3 Warm white 3200K NW4 Neutral white 4200K CW5 Cold White 5500K RGB RGB

Order code example: **bN250-18700010WW2**

Note: not all combinations of technical features are possible, please check with our technical office at the e-mail address tecnico@futuraoluce.it

TECHNICAL DRAWING



ACCESSORIES

Watertight connections

IP68 Paguro 5665 Junction box - 2x2,5 sqmm - parallel connection	CMP00850
IP68 Paguro 5650/3 Junction box - 3x2,5 sqmm - parallel connection	CMP00851
IP68 Paguro 5664/20 Junction box - 4x2,5 sqmm - parallel connection	CMP00852
IP68 Paguro 5633/6 Junction box - 6x0,5 sqmm - parallel connection	CMP00853
IP68 Paguro 5663 Junction box - 3x6 sqmm - series/parallel connection	CMP00854



SPLINE MICRO

APPLICATIONS

The flexible modules of the Spline series are designed for the functional lighting of curved grooves in ceiling and alcoves in walls and for the accent lighting of outdoor situations with an irregular line. Thanks to an extremely flexible, but fully resistant and reliable circuit, curved or shaped profiles can be illuminated with continuity. This product is available in top emission version only with respect to the curvature axis, and it is thus adaptable to any type of installation. 10/20m continuous lengths can be produced according to the luminous flux emitted, with increments of 50mm. The LED module is completely encapsulated to perform IP67 and it's available with opal or clear finish. Materials are highly resistant against atmospheric agents and suitable for installation to high UV exposure.



FEATURES

The most compact product available on the market with its section of 8x8 mm

High efficiency (>110 lm/W)

ANSI compliant binning, 3 step MacAdams ellipse for each individual lot

Excellent lumen maintenance and colour stability over time

Extensive dimming range - fully dimmable, with external dimmer

IP67 protection rating

UV-resistant material

Top or side light emission

Long life and low maintenance costs

SPECIFICATIONS

Performance

LED type	Mid power
LED nr. and model	120 led/m x Seoul 3020
Total lumen output (at 85°C)	Up to 800 lm/m
Colour temperature (white light)	2300 - 2700 - 3000 - 4000 - 5500 K
Binning	3 step MacAdam ellipse
CRI	>90 (2700-3000K), >80 (2300-4000-5500K)
Other colours	On request

Electrical

Supply type	Constant voltage
Supply value	24 Vdc
Maximum power consumption	Up to 12 W/m
Connection	2x0.5 mmq cable L=2 m

Physical

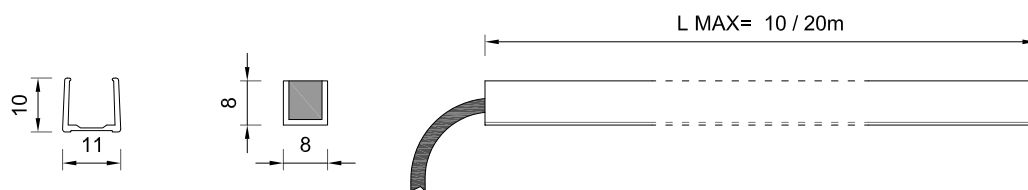
Body material	Polimeric
Body finish	White colour
Optic material	Polyurethan
Optic type	Diffuse
Screen material	n.a.
Dissipation	Passive
Protection rating	IP67
Class	III
Weight	0,1 Kg/m
Dimensions	See technical drawing
Operating temperature range	-20 / +70 °C
MTBF (LM80)	50.000 hrs
Mounting	With mounting accessories
Minimum bending radius	> 150 mm

HOW TO ORDER

Model	Power	Colour
▼	▼	▼
SPLINE-MICRO	□□	□□□
SPLINE-MICRO Spline Micro	LB 6 W/m HB 12 W/m	K23 Warm white 2300K K27 Warm white 2700K K30 Warm white 3000K K40 Neutral white 4000K K55 Cold white 5500K

Order code example: **SPLINE-MICRO-HBK40**

TECHNICAL DRAWING



ACCESSORIES

Mounting kit

UV-resistant polycarbonate mounting profile L=2 m

[PRF-05-T](#)

Kit of nr. 5 anti-UV treated polycarbonate mounting clips

[CMP01119](#)

Watertight connections

2-pole male/female IP68 connection kit for cable mounting

[CMP01054](#)

2-pole male IP68 connector for cable mounting

[CMP01052](#)

2-pole female IP68 connector for cable mounting

[CMP01053](#)



SPLINE

APPLICATIONS

The flexible modules of the Spline series are designed for the functional lighting of curved grooves in ceiling and alcoves in walls and for the accent lighting of outdoor situations with an irregular line. Thanks to an extremely flexible, but fully resistant and reliable circuit, curved or shaped profiles can be illuminated with continuity. This product is available in two versions, top or side emission with respect to the curvature axis, and it is thus adaptable to any type of installation. 10/20m continuous lengths can be produced according to the luminous flux emitted, with increments of 50mm. The LED module is completely encapsulated to perform IP67 and it's available with opal or clear finish. Materials are highly resistant against atmospheric agents and suitable for installation to high UV exposure.



FEATURES

- ANSI compliant binning, 3 step MacAdams ellipse for each individual lot
- Excellent lumen maintenance and colour stability over time
- Extensive dimming range - fully dimmable, with external dimmer
- IP67 protection rating
- UV-resistant material
- Top or side light emission
- Long life and low maintenance costs
- Ecological, no disposal restrictions

SPECIFICATIONS

Performance

LED type	Mid power
LED nr. and model	120 led/m x Seoul 3020
Total lumen output (at 85°C)	Up to 800 lm/m
Colour temperature (white light)	2300 - 2700 - 3000 - 4000 - 5500 K
Binning	3 step MacAdam ellipse
CRI	>90 (2700-3000K), >80 (2300-4000-5500K)
Other colours	On request

Electrical

Supply type	Constant voltage
Supply value	24 Vdc
Maximum power consumption	Up to 12 W/m
Connection	2x0.5 mmq cable L=2 m

Physical

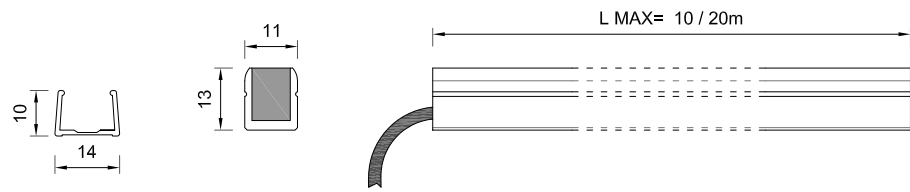
Body material	Polimeric
Body finish	White colour
Optic material	Polyurethan
Optic type	Diffuse
Screen material	n.a.
Dissipation	Passive
Protection rating	IP67
Class	III
Weight	0,2 Kg/m
Dimensions	See
Operating temperature range	-20 / +70 °C
MTBF (LM80)	50.000 hrs
Mounting	With mounting accessories
Minimum bending radius	> 300 mm

HOW TO ORDER

Model	Finish	Light emission	Power	Colour
▼	▼	▼	▼	▼
SPLINE	□	□	□□	□□□
SPLINE Spline	O Opal C Clear	F Front L Side	06 6 W/m 12 12 W/m	K23 Warm white 2300K K27 Warm white 2700K K30 Warm white 3000K K40 Neutral white 4000K K55 Cold white 5500K

Order code example: **SPLINE-OF12K30**

TECHNICAL DRAWING



ACCESSORIES

Mounting kit

UV-resistant polycarbonate mounting profile L=2 m	PRF-01-T
Kit of nr. 5 anti-UV treated polycarbonate mounting clips	CMP01059

Watertight connections

2-pole male/female IP68 connection kit for cable mounting	CMP01054
2-pole male IP68 connector for cable mounting	CMP01052
2-pole female IP68 connector for cable mounting	CMP01053



BERGAMO

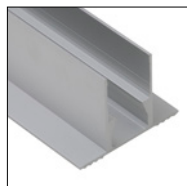
APPLICATIONS

The Bergamo linear system is created for recessed installation in walkways, public areas, car parks and for both indoor and outdoor accent lighting. The perfect uniformity of the luminous surface gives it an elegant appearance and the minimal design guarantees its perfect integration in any situation, even when switched off. For this reason, Bergamo is also suitable for reception areas, such as entrances, halls, and waiting rooms. Bergamo is walk over and drive over due to the high quality of the materials, making it a very reliable unit for areas with a high flow of people or light vehicles. Seamless luminous lines can be created through connecting several bars in a row, with considerable aesthetic benefit.



FEATURES

- High efficiency (>110 lm/W)
- ANSI compliant binning, 3 step MacAdams ellipse for each individual lot
- Excellent lumen maintenance and colour stability over time
- Extensive dimming range - fully dimmable, with external dimmer
- Highly efficient secondary optics
- IP68 protection rating
- Walkover and driveover device
- Long life and low maintenance costs
- Ecological, no disposal restrictions



Mounting profile



Glass

SPECIFICATIONS

Performance

LED type	Mid power
LED nr. and model	75 led/m x Seoul 3020
Total lumen output (at 85°C)	Up to 800 lm/m
Colour temperature (white light)	2300 - 2700 - 3000 - 4200 - 5500 K
Binning	3 step MacAdam ellipse
CRI	>90 (2700 - 3000 K), >80 (2300 - 4200 - 5500 K)
Other colours	On request

Electrical

Supply type	Constant voltage
Supply value	24 Vdc
Maximum power consumption	12 W/m
Connection	2 x 2x0.5 mmq cable L=0,5 m

Physical

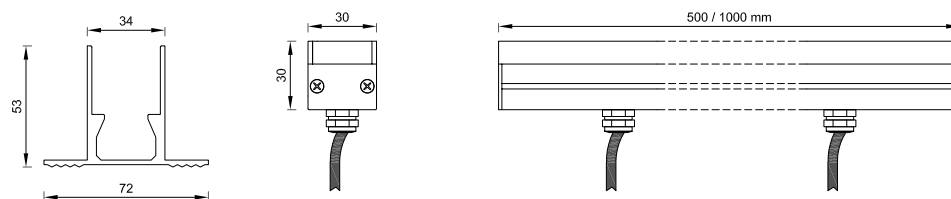
Body material	Corrosion-resistant aluminium
Body finish	Anodization
Optic material	n.a.
Optic type	Diffuse
Screen material	10 mm thick extra-clear safety glass
Dissipation	Passive
Protection rating	IP68
Class	III
Weight	1,5 - 3 kg
Dimensions	See technical drawing
Operating temperature range	-20 / +70 °C
MTBF (LM80)	50.000 hrs
Mounting	Recessed with accessories

HOW TO ORDER

Model	Lenght	Colour
▼	▼	▼
BERGAMO	UUU	UUU
BERGAMO Bergamo	050 50 cm 100 100 cm	K23 Warm white 2300K K27 Warm white 2700K K30 Warm white 3000K K40 Neutral white 4000K K55 Cold white 5500K

Order code example: **BERGAMO-050K30**

TECHNICAL DRAWING



ACCESSORIES

Watertight connections

IP68 Paguro 5665 Junction box - 2x2,5 sqmm - parallel connection	CMP00850
IP68 Paguro 5650/3 Junction box - 3x2,5 sqmm - parallel connection	CMP00851
IP68 Paguro 5664/20 Junction box - 4x2,5 sqmm - parallel connection	CMP00852
IP68 Paguro 5633/6 Junction box - 6x0,5 sqmm - parallel connection	CMP00853
IP68 Paguro 5663 Junction box - 3x6 sqmm - series/parallel connection	CMP00854

Mounting kit

Mounting profile (corrosion-resistant aluminium) L=0,5 m	TRN00468
Mounting profile (corrosion-resistant aluminium) L=1,0 m	TRN00469
Mounting profile (corrosion-resistant aluminium) L=1,5 m	TRN00470
Mounting profile (corrosion-resistant aluminium) L=2,0 m	TRN00471



TWENTY5

APPLICATIONS

The Twenty5 linear system is a product that can be configured according to the application required, as it incorporates linear LED modules of different power and density according to the light output needed. The external body is characterized by a connotatively round section and is in polycarbonate subjected to anti-UV treatment, to ensure constant aesthetic characteristics over time, and to facilitate the cleaning operations. This configuration makes the Twenty5 series particularly suitable for applications in outdoor environments such as lighting of green areas, walkways, marking purposes, monuments and parks. Mounting with brackets, adjustable from 0° to 105° in increments of 15°, guarantees an installation that is versatile, precise and equal for all elements installed in a continuous row. This enables secure anchorage of the product to the mounting surface and perfect hold of the end caps.



FEATURES

Completely customizable modular system

Easy to install and fully adjustable

Easy cleaning

Flexibility of use

High reliability

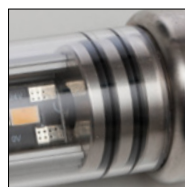
Fast connection

Long life and low maintenance costs

Ecological, no disposal restrictions



LED module



Watertight system



Valve



Connector

SPECIFICATIONS

Performance

LED type	Moduled linear module
LED nr. and model	See specific characteristics
Total lumen output (at 85°C)	See specific characteristics
Colour temperature (white light)	See specific characteristics
Binning	See specific characteristics
CRI	See specific characteristics
Other colours	See specific characteristics

Electrical

Supply type	Constant voltage
Supply value	24 Vdc
Maximum power consumption	Fit with module up to 16 W/m
Connection	M12 2/4/5 poles connector

Physical

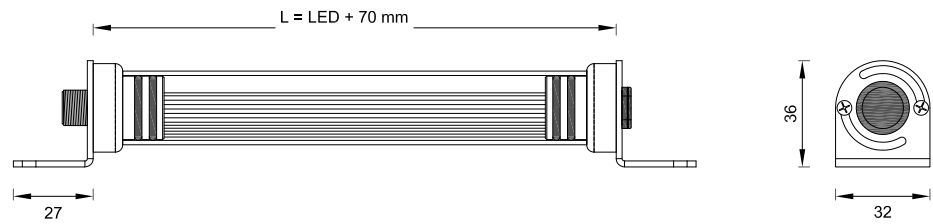
Body material	UV-resistant polycarbonate/V4A s. steel
Body finish	n.a.
Optic material	n.a.
Optic type	n.a.
Screen material	UV-resistant polycarbonate
Dissipation	Passive
Protection rating	IP65
Class	III
Weight	0,6 Kg/m
Dimensions	See technical drawing
Operating temperature range	-20 / +55 °C
MTBF (LM80)	n.a.
Mounting	With mounting kit

HOW TO ORDER

Model	Contact type	Lenght	Connection
TWENTY5	□□	□□□	□□
TWENTY5 Twenty5	2P 2 poles 4P 4 poles 5P 5 poles	050 Up to 50 cm 100 Up to 100 cm 150 Up to 150 cm 200 Up to 200 cm 250 Up to 250 cm 300 Up to 300 cm	CV Connector/Valve CC Connector M12 IN-OUT

Order code example: TWENTY5-2P250CV

TECHNICAL DRAWING



ACCESSORIES

Cables

Cable with M12 2-pole connector female/flying leads L=2 m (monochromatic)	CMP00487
Cable with M12 2-pole connector female/flying leads L=5 m (monochromatic)	CMP00488
Cable with M12 2-pole connector female/flying leads L=10 m (monochromatic)	CMP00489
Cable with M12 2-pole connector female/male L=2 m (monochromatic)	CMP00539
Cable with M12 2-pole connector female/male L=5 m (monochromatic)	CMP00540
Cable with M12 2-pole connector female/male L=10 m (monochromatic)	CMP00541
Cable with M12 4-pole connector female/flying leads L=2 m (RGB)	CMP00259
Cable with M12 4-pole connector female/flying leads L=5 m (RGB)	CMP00303
Cable with M12 4-pole connector female/flying leads L=10 m (RGB)	CMP00370
Cable with M12 4-pole connector female/male L=2 m (RGB)	CMP00399
Cable with M12 4-pole connector female/male L=5 m (RGB)	CMP00397
Cable with M12 4-pole connector female/male L=10 m (RGB)	CMP00398
Cable with M12 5-pole connector female/flying leads L=2 m (RGBA and RGBW)	CMP00547
Cable with M12 5-pole connector female/flying leads L=5 m (RGBA and RGBW)	CMP00548
Cable with M12 5-pole connector female/flying leads L=10 m (RGBA and RGBW)	CMP00549
Cable with M12 5-pole connector female/male L=2 m (RGBA and RGBW)	CMP00542
Cable with M12 5-pole connector female/male L=5 m (RGBA and RGBW)	CMP00543
Cable with M12 5-pole connector female/male L=10 m (RGBA and RGBW)	CMP00544

Mounting kit

Nr. 2 fastening clips	CMP00388
Nr. 2 adjustable bracket	TRN00169
Nr. 1 in-ground spike	TRN00219

Watertight connections

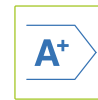
IP68 Paguro 5665 Junction box - 2x2,5 sqmm - parallel connection	CMP00850
IP68 Paguro 5650/3 Junction box - 3x2,5 sqmm - parallel connection	CMP00851
IP68 Paguro 5664/20 Junction box - 4x2,5 sqmm - parallel connection	CMP00852
IP68 Paguro 5633/6 Junction box - 6x0,5 sqmm - parallel connection	CMP00853
IP68 Paguro 5663 Junction box - 3x6 sqmm - series/parallel connection	CMP00854



BOLOGNA

APPLICATIONS

The linear system Bologna is a product with a compact and pure design. With the perfect homogeneity of the luminous effect, its qualities lend this element elegance and a high aesthetic value. Thanks to its characteristics, it integrates perfectly into any context, even when switched off, and is thus suitable for illumination of every structure in which it is installed. Through different configurations of the secondary optics, it can be used to achieve a variety of scenic effects such as a wall washer to illuminate the facades and vertical surfaces, or to highlight interesting architectural details. Furthermore, can become an integrated element to create effects and light beams that highlight geometries, emphasize the space and create graphic textures. RGB version is available for scenic effects in all situations where colour is required to create an evocative atmosphere.



FEATURES

High efficiency (>120 lm/W)

ANSI compliant binning, 2 step MacAdams ellipse for each individual lot

Excellent lumen maintenance and colour stability over time

Extensive dimming range - fully dimmable, with external dimmer

Highly efficient secondary optics

IP65 protection rating

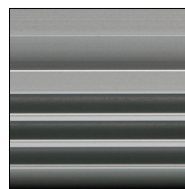
Fast connection

Long life and low maintenance costs

Ecological, no disposal restrictions



Lens



Heat-sink



Valve



Connector

SPECIFICATIONS

Performance

LED type	High power
LED nr. and model	6/12/18/24/36 x Cree XP-E o XP-G/Seoul P5II
Total lumen output (at 85°C)	Up to 4300 lm
Colour temperature (white light)	2800-3200-4200-5500 K
Binning	2 step MacAdam ellipse
CRI	>90 (2700 - 3200 K), >80 (4200 - 5500 K)
Other colours	RGB and on request

Electrical

Supply type	Constant current / constant voltage
Supply value	350 mA / 700 mA / 24 Vdc
Maximum power consumption	Up to 48 W
Connection	M12 2/4/6 pole connector

Physical

Body material	Corrosion-resistant aluminium
Body finish	Anodization
Optic material	PMMA
Optic type	TIR
Screen material	6 mm thick extra-clear safety glass
Dissipation	Passive
Protection rating	IP65
Class	III
Weight	1 - 2 - 3 - 4 Kg
Dimensions	See technical drawing
Operating temperature range	-20 / +70 °C
MTBF (LM80)	50.000 hrs
Mounting	With mounting kit

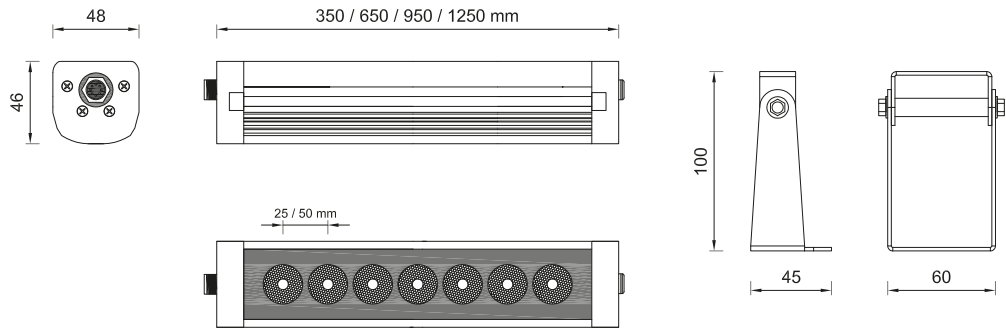
HOW TO ORDER

Model ▼	LED nr. ▼	Supply ▼	Optic ▼	Lenght ▼	Colour ▼
b48	□□	□□□	□□□	□□□	□□□
b48 Bologna	06 6 LEDs (350 mm) 12 12 LEDs (350 or 650 mm) 18 18 LEDs (950 mm) 24 24 LEDs (650 mm) 36 36 LEDs (950 or 1250 mm)	350 3 x 350 mA (mono) 700 3 x 700 mA (mono) 724 3 x 700 mA @ 24 Vdc (mono) 324 3 x 350 mA @ 24 Vdc (RGB)	010 10° (mono) 021 21° (mono) 039 39° (mono) x44 10° x 44° (mono) 025 25° (RGB) 040 40° (RGB)	035 350 mm 065 650 mm 095 950 mm 125 1250 mm	WW2 Warm white 2800K WW3 Warm white 3200K NW4 Neutral white 4200K CW5 Cold white 5500K RGB RGB

Order code example: **b48-06350010035WW2**

Note: not all combinations of technical features are possible, please check with our technical office at the e-mail address tecnico@futuroluce.it

TECHNICAL DRAWING



ACCESSORIES

Cables

Cable with M12 2-pole connector female/flying leads L=2 m (monochromatic c.v.)	CMP00487
Cable with M12 2-pole connector female/flying leads L=5 m (monochromatic c.v.)	CMP00488
Cable with M12 2-pole connector female/flying leads L=10 m (monochromatic c.v.)	CMP00489
Cable with M12 2-pole connector female/flying leads L=15 m (monochromatic c.v.)	CMP00490
Cable with M12 4-pole connector female/flying leads L=2 m (RGB colour c.v.)	CMP00259
Cable with M12 4-pole connector female/flying leads L=5 m (RGB colour c.v.)	CMP00303
Cable with M12 4-pole connector female/flying leads L=10 m (RGB colour c.v.)	CMP00370
Cable with M12 4-pole connector female/flying leads L=15 m (RGB colour c.v.)	CMP00555
Cable with M12 6-pole connector female/flying leads L=2 m (monochromatic & RGB c.c.)	CMP00482
Cable with M12 6-pole connector female/flying leads L=5 m (monochromatic & RGB c.c.)	CMP00483
Cable with M12 6-pole connector female/flying leads L=10 m (monochromatic & RGB c.c.)	CMP00484
Cable with M12 6-pole connector female/flying leads L=15 m (monochromatic & RGB c.c.)	CMP00485

Mounting kit

Nr. 1 adjustable bracket kit	TRN00115
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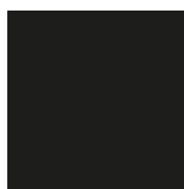
Watertight connections

IP68 Paguro 5665 Junction box - 2x2,5 sqmm - parallel connection	CMP00850
IP68 Paguro 5650/3 Junction box - 3x2,5 sqmm - parallel connection	CMP00851
IP68 Paguro 5664/20 Junction box - 4x2,5 sqmm - parallel connection	CMP00852
IP68 Paguro 5633/6 Junction box - 6x0,5 sqmm - parallel connection	CMP00853
IP68 Paguro 5663 Junction box - 3x6 sqmm - series/parallel connection	CMP00854

Finishes



Dark brown
anodized aluminium
[ALL-BRZ](#)



Black
aluminium
[ALL-BLK](#)



SUB2

APPLICATIONS

The Sub2 recessed spotlight is specifically designed to enhance aquatic environment with an accent lighting in permanent submersion. Rather than focussing on the power of the source, the scenographic suggestion is created by the light beam itself. The mounting bracket, adjustable from 0° to 105° and rotatable by 360°, enables an easy installation. Thanks to its compact size, it can be installed even in small spaces, such as fountains and pools, both in hotels and residential areas. This product, with its stainless steel body, is extremely reliable. RGB version is available for scenic effects in all situations where colour is required to create an evocative atmosphere. All fixtures are already equipped with a 5 m connection cable for efficient installation, extendable on request.



FEATURES

High efficiency (>120 lm/W)

ANSI compliant binning, 2 step MacAdams ellipse for each individual lot

Excellent lumen maintenance and colour stability over time

Extensive dimming range - fully dimmable, with external dimmer

Highly efficient secondary optics

IP68 protection rating

Long life and low maintenance costs

Ecological, no disposal restrictions



Top and lens



Bracket fixing



Heat-sink



Cable gland

SPECIFICATIONS

Performance

LED type	High power
LED nr. and model	1x CREE XP-E o XP-G / Seoul P5II
Total lumen output (at 85°C)	Up to 220 lm
Colour temperature (white light)	2800 - 3200 - 4200 - 5500 K
Binning	2 step MacAdam ellipse
CRI	>90 (2800 - 3200 K), >80 (4200 - 5500 K)
Other colours	RGB and on request

Electrical

Supply type	Constant current
Supply value	350 mA / 700 mA
Maximum power consumption	Up to 3,6 W
Connection	cable L=5 m (2x0.5 mmq / 6x0,35 mmq)

Physical

Body material	V4A stainless steel
Body finish	Natural
Optic material	PMMA
Optic type	TIR
Screen material	6 mm thick extra-clear safety glass
Dissipation	Passive
Protection rating	IP68
Class	III
Weight	0,35 Kg
Dimensions	See technical drawing
Operating temperature range	-20 / +70 °C
MTBF (LM80)	50.000 hrs
Mounting	Submersion, any position

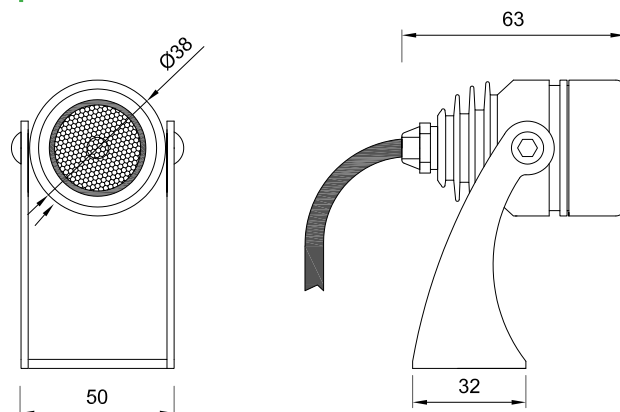
HOW TO ORDER

Model ▼	LED nr. ▼	Supply ▼	Optic ▼	Colour ▼
sB2	01	□□□	□□□	□□□
sB2 Sub2	01 1 LED	350 350 mA (RGB) 700 700 mA (mono)	010 10° (mono) 021 21° (mono) 039 39° (mono) x44 10° x 44° (mono) 025 25° (RGB) 040 40° (RGB)	WW2 Warm white 2800K WW3 Warm white 3200K NW4 Warm white 4200K CW5 Cold white 5500K RGB RGB

Order code example: **sB2-01700021WW2**

Note: not all combinations of technical features are possible, please check with our technical office at the e-mail address tecnico@futuroluce.it

TECHNICAL DRAWING



ACCESSORIES

Cables

2-pole power supply cable extra length L=10 m (tot. 15 m, monochromatic)	CABL1002P
6-pole power supply cable extra length L=10 m (tot. 15 m, RGB)	CABL1006P

Watertight connections

IP68 Paguro 5665 Junction box - 2x2,5 sqmm - parallel connection	CMP00850
IP68 Paguro 5650/3 Junction box - 3x2,5 sqmm - parallel connection	CMP00851
IP68 Paguro 5664/20 Junction box - 4x2,5 sqmm - parallel connection	CMP00852
IP68 Paguro 5633/6 Junction box - 6x0,5 sqmm - parallel connection	CMP00853
IP68 Paguro 5663 Junction box - 3x6 sqmm - series/parallel connection	CMP00854



DUBAI2

APPLICATIONS

The single-LED spotlights of the Dubai2 series are specifically designed for the universal lighting of outdoor environments, since the different product versions make their use extremely versatile, from the illumination of gardens and landscape to the detailed lighting of buildings' facades. Through different configurations of the secondary optics, it can be used to achieve a variety of scenic effects such as a spotlight to illuminate interesting architectural details, or as a washer and wall washer. The mounting bracket, adjustable from 0° to 105° and rotatable by 180°, enables an easy installation. An optional spike can be mounted on the bracket for an easy in-ground installation, allowing the re-shaping of illumination according to vegetation growth. RGB version is available for scenic effects in all situations where colour is required to create an evocative atmosphere.



FEATURES

High efficiency (>120 lm/W)

ANSI compliant binning, 2 step MacAdams ellipse for each individual lot

Excellent lumen maintenance and colour stability over time

Extensive dimming range - fully dimmable, with external dimmer

Highly efficient secondary optics

IP67 protection rating

Fast connection

Long life and low maintenance costs

Ecological, no disposal restrictions



Lens



Adjustable bracket



Heat-sink



Connector

SPECIFICATIONS

Performance

LED type	High power
LED nr. and model	1x CREE XP-E o XP-G / Seoul P5II
Total lumen output (at 85°C)	Up to 220 lm
Colour temperature (white light)	2800 - 3200 - 4200 - 5500 K
Binning	2 step MacAdam ellipse
CRI	>90 (2800 - 3200 K), >80 (4200 - 5500 K)
Other colours	RGB and on request

Electrical

Supply type	Constant current
Supply value	350 mA / 700 mA
Maximum power consumption	Up to 3,6 W
Connection	M12 2/6 poles connector

Physical

Body material	Corrosion-resistant aluminium
Body finish	Anodization
Optic material	PMMA
Optic type	TIR
Screen material	6 mm thick extra-clear safety glass
Dissipation	Passive
Protection rating	IP67
Class	III
Weight	0,2 Kg
Dimensions	See technical drawing
Operating temperature range	-20 / +70 °C
MTBF (LM80)	50.000 hrs
Mounting	Any position

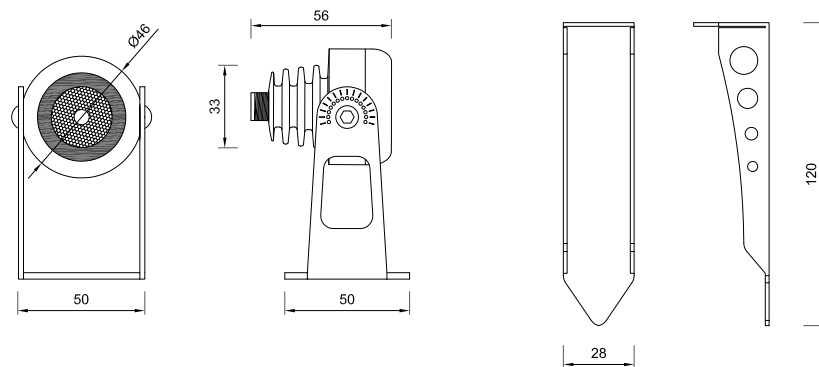
HOW TO ORDER

Model ▼	LED nr. ▼	Supply ▼	Optic ▼	Colour ▼
dB2	01	□□□	□□□	□□□
dB2 Dubai2	01 1 LED	700 700 mA (mono) 350 3x350 mA (RGB)	010 10° (mono) 021 21° (mono) 039 39° (mono) x44 10° x 44° (mono) 025 25° (RGB) 040 40° (RGB)	WW2 Warm white 2800K WW3 Warm white 3200K NW4 Neutral white 4200K CW5 Cold white 5500K RGB RGB

Order code example: **dB2-01700010WW2**

Note: not all combinations of technical features are possible, please check with our technical office at the e-mail address tecnico@futuraoluce.it

TECHNICAL DRAWING



ACCESSORIES

Cables

Cable with M12 2-pole connector female/flying leads L=2 m (monochromatic)	CMP00487
Cable with M12 2-pole connector female/flying leads L=5 m (monochromatic)	CMP00488
Cable with M12 2-pole connector female/flying leads L=10 m (monochromatic)	CMP00489
Cable with M12 2-pole connector female/flying leads L=15 m (monochromatic)	CMP00490
Cable with M12 6-pole connector female/flying leads L=2 m (RGB)	CMP00482
Cable with M12 6-pole connector female/flying leads L=5 m (RGB)	CMP00483
Cable with M12 6-pole connector female/flying leads L=10 m (RGB)	CMP00484
Cable with M12 6-pole connector female/flying leads L=15 m (RGB)	CMP00485

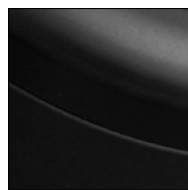
Mounting kit

In-ground adjustable spike	TRN00173
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Watertight connections

IP68 Paguro 5665 Junction box - 2x2,5 sqmm - parallel connection	CMP00850
IP68 Paguro 5650/3 Junction box - 3x2,5 sqmm - parallel connection	CMP00851
IP68 Paguro 5664/20 Junction box - 4x2,5 sqmm - parallel connection	CMP00852
IP68 Paguro 5633/6 Junction box - 6x0,5 sqmm - parallel connection	CMP00853
IP68 Paguro 5663 Junction box - 3x6 sqmm - series/parallel connection	CMP00854

Finishes



Matt black
anodized aluminium
[ALL-BLK](#)



Dark brown
anodized aluminium
[ALL-BRZ](#)



DUBAI4

APPLICATIONS

The multi-LED spotlights of the Dubai4 series are specifically designed for the universal lighting of outdoor environments, since the different product versions make their use extremely versatile, from the illumination of vegetation to the diffused lighting of the facades of buildings. Through different configurations of the secondary optics, it can be used to achieve a variety of scenic effects such as a spotlight to illuminate interesting architectural details, or as a washer and wall washer. The mounting bracket, adjustable from 0° to 105° and rotatable by 180°, enables an easy installation. An optional spike can be mounted on the bracket for an easy in-ground installation, allowing the re-shaping of illumination according to vegetation growth. RGB version is available for scenic effects in all situations where colour is required to create an evocative atmosphere.



FEATURES

- High efficiency (>120 lm/W)
- ANSI compliant binning, 2 step MacAdams ellipse for each individual lot
- Excellent lumen maintenance and colour stability over time
- Extensive dimming range - fully dimmable, with external dimmer
- Highly efficient secondary optics
- IP67 protection rating
- Fast connection
- Long life and low maintenance costs
- Ecological, no disposal restrictions



Flush glass



Adjustable bracket



Valve



Connector

SPECIFICATIONS

Performance

LED type	High power
LED nr. and model	4x CREE XP-E o XP-G / 3x Seoul P5II
Total lumen output (at 85°C)	Up to 880 lm
Colour temperature (white light)	2800 - 3200 - 4200 - 5500 K
Binning	2 step MacAdam ellipse
CRI	>90 (2800 - 3200 K), >80 (4200 - 5500 K)
Other colours	RGB and on request

Electrical

Supply type	Constant current
Supply value	350 mA / 700 mA
Maximum power consumption	Up to 9,6 W
Connection	M12 2/6 poles connector

Physical

Body material	Corrosion-resistant aluminium
Body finish	Anodization
Optic material	PMMA
Optic type	TIR
Screen material	6 mm thick extra-clear safety glass
Dissipation	Passive
Protection rating	IP67
Class	III
Weight	0,55 Kg
Dimensions	See technical drawing
Operating temperature range	-20 / +70 °C
MTBF (LM80)	50.000 hrs
Mounting	Any position

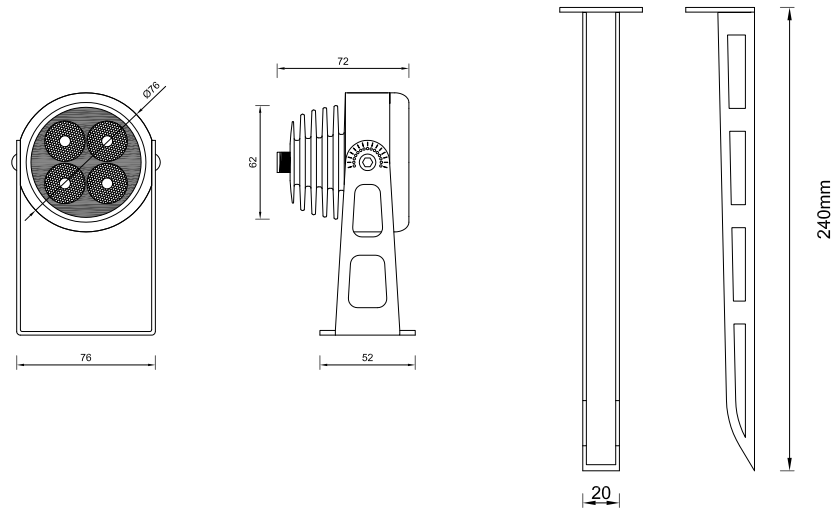
HOW TO ORDER

Model ▼	LED nr. ▼	Supply ▼	Optic ▼	Colour ▼
dB4	□□	□□□	□□□	□□□
dB4 Dubai4	03 3 LED (RGB) 04 4 LED (mono)	700 700 mA (mono) 350 3x350 mA (RGB)	010 10° (mono) 021 21° (mono) 039 39° (mono) x44 10° x 44° (mono) 025 25° (RGB) 040 40° (RGB)	WW2 Warm white 2800K WW3 Warm white 3200K NW4 Neutral white 4200K CW5 Cold white 5500K RGB RGB

Order code example: **dB4-04700010WW2**

Note: not all combinations of technical features are possible, please check with our technical office at the e-mail address tecnico@futuroluce.it

TECHNICAL DRAWING



ACCESSORIES

Cables

Cable with M12 2-pole connector female/flying leads L=2 m (monochromatic)	CMP00487
Cable with M12 2-pole connector female/flying leads L=5 m (monochromatic)	CMP00488
Cable with M12 2-pole connector female/flying leads L=10 m (monochromatic)	CMP00489
Cable with M12 2-pole connector female/flying leads L=15 m (monochromatic)	CMP00490
Cable with M12 6-pole connector female/flying leads L=2 m (RGB)	CMP00482
Cable with M12 6-pole connector female/flying leads L=5 m (RGB)	CMP00483
Cable with M12 6-pole connector female/flying leads L=10 m (RGB)	CMP00484
Cable with M12 6-pole connector female/flying leads L=15 m (RGB)	CMP00485

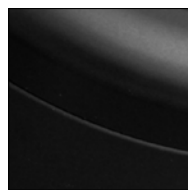
Mounting kit

In-ground adjustable spike	TRN00177
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Watertight connections

IP68 Paguro 5665 Junction box - 2x2,5 sqmm - parallel connection	CMP00850
IP68 Paguro 5650/3 Junction box - 3x2,5 sqmm - parallel connection	CMP00851
IP68 Paguro 5664/20 Junction box - 4x2,5 sqmm - parallel connection	CMP00852
IP68 Paguro 5633/6 Junction box - 6x0,5 sqmm - parallel connection	CMP00853
IP68 Paguro 5663 Junction box - 3x6 sqmm - series/parallel connection	CMP00854

Finishes



Matt black
anodized aluminium
ALL-BLK



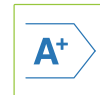
Dark brown
anodized aluminium
ALL-BRZ



DUBAI8

APPLICATIONS

The single-LED spotlights of the Dubai8 series are specifically designed for the universal lighting of outdoor environments, since the different product versions make their use extremely versatile, from the illumination of vegetation to the diffused lighting of the facades of buildings. Through different configurations of the secondary optics, it can be used to achieve a variety of scenic effects such as a spotlight to illuminate interesting architectural details, or as a washer and wall washer. The main feature is the single optic that solves the issue of multiple shadows normally resulting from multi-optical products. An optional spike can be mounted on the bracket for an easy in-ground installation, allowing the re-shaping of illumination according to vegetation growth.



FEATURES

High efficiency (>120 lm/W)

ANSI compliant binning, 2 step MacAdams ellipse for each individual lot

Excellent lumen maintenance and colour stability over time

Extensive dimming range - fully dimmable, with external dimmer

Highly efficient secondary optics

IP67 protection rating

Fast connection

Long life and low maintenance costs

Ecological, no disposal restrictions



Flush glass



Adjustable bracket



Valve



Connector

SPECIFICATIONS

Performance

LED type	High power
LED nr. and model	1xCREE XHP70
Total lumen output (at 85°C)	Up to 1300 lm
Colour temperature (white light)	2800 - 3200 - 4200 - 5500 K
Binning	2 step MacAdam ellipse
CRI	>90 (2800 - 3200 K), >80 (4200 - 5500 K)
Other colours	On request

Electrical

Supply type	Constant voltage
Supply value	24 Vdc
Maximum power consumption	5 - 10 W
Connection	M12 2 poles connector

Physical

Body material	Corrosion-resistant aluminium
Body finish	Anodization
Optic material	PMMA
Optic type	TIR
Screen material	6 mm thick extra-clear safety glass
Dissipation	Passive
Protection rating	IP67
Class	III
Weight	0,55 Kg
Dimensions	See technical drawing
Operating temperature range	-20 / +70 °C
MTBF (LM80)	50.000 hrs
Mounting	Any position

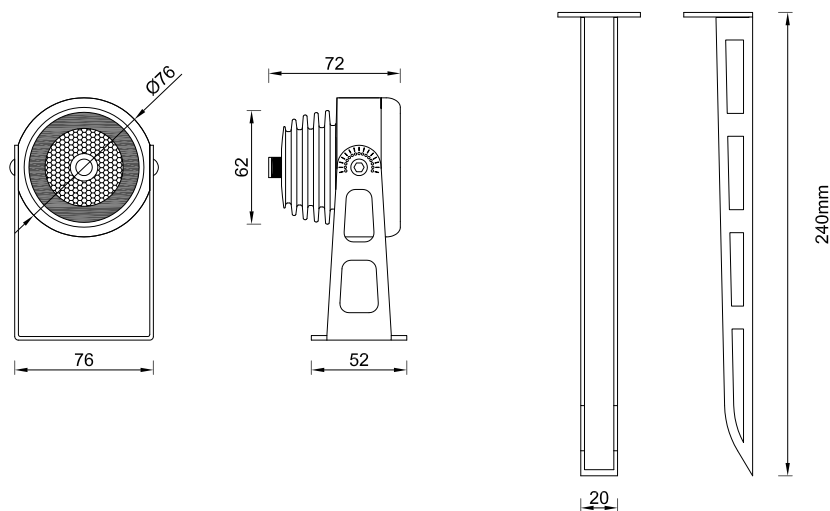
HOW TO ORDER

Model ▼	Power ▼	Optic ▼	Colour ▼
dB8	□□□	□□□	□□□
dB8 Dubai8	05W 5W 10W 10W	006 6° 020 20° 035 35°	WW2 Warm white 2800K WW3 Warm white 3200K NW4 Neutral white 4200K CW5 Cold white 5500K

Order code example: **dB8-10W035WW2**

Note: not all combinations of technical features are possible, please check with our technical office at the e-mail address tecnico@futuroluce.it

TECHNICAL DRAWING



ACCESSORIES

Cables

Cable with M12 2-pole connector female/flying leads L=2 m	CMP00487
Cable with M12 2-pole connector female/flying leads L=5 m	CMP00488
Cable with M12 2-pole connector female/flying leads L=10 m	CMP00489
Cable with M12 2-pole connector female/flying leads L=15 m	CMP00490

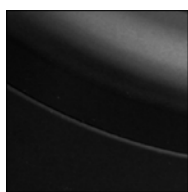
Mounting kit

In-ground adjustable spike	TRN00177
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Watertight connections

IP68 Paguro 5665 Junction box - 2x2,5 sqmm - parallel connection	CMP00850
IP68 Paguro 5664/20 Junction box - 4x2,5 sqmm - parallel connection	CMP00852

Finishes



Matt black
anodized aluminium
[ALL-BLK](#)



Dark brown
anodized aluminium
[ALL-BRZ](#)



BOXY

APPLICATIONS

The floodlights of the Boxy series are dedicated to the general lighting of facades, monuments, open spaces and interior spaces. The compact shape and minimal design make it an element of easy integration in any architectural context, both historical and modern. The peculiar mixed optics with anti-reflection ring ensures the anti-glare of the light source. The three optical variants allow it to be used both as a concentrated light projector for remote lighting of architectural details, and as floodlights. The corrosion-resistant aluminum body is made from full material and the 5mm front glass is applied through a specific sealant that guarantees maximum durability. It is equipped with a 2-pole M12 connector and an anti-condensation valve.



FEATURES

- High efficiency (>125 lm/W)
- ANSI compliant binning, 2 step MacAdams ellipse for each individual lot
- Excellent lumen maintenance and colour stability over time
- Extensive dimming range - fully dimmable, with external dimmer
- Highly efficient secondary optics
- IP65 protection rating
- Essential and powerful design
- Fast connection
- Long life and low maintenance costs
- Ecological, no disposal restrictions



Maximum tilted position



Vertical position



Heat-sink

SPECIFICATIONS

Performance

LED type	High power
LED nr. and model	1x Cree CXA15
Total lumen output (at 85°C)	Up to 1500 / 2200 / 2900lm
Colour temperature (white light)	2700 - 3000 - 3500 - 4000 - 5000 K
Binning	up to 2 step MacAdam ellipses
CRI	>90
Other colours	n.a.

Electrical

Supply type	Constant voltage
Supply value	24Vdc
Maximum power consumption	12W - 17W - 25W
Connection	M12 2 poles connector

Physical

Body material	Anti-corrosion aluminium
Body finish	Anodization
Optic material	Metallized polycarbonate
Optic type	Reflector
Screen material	6 mm thick extra-clear tempered glass
Dissipation	Passive
Protection rating	IP65
Class	III
Weight	1,95 Kg
Dimensions	See technical drawing
Operating temperature range	-20 / +70 °C
MTBF (LM80)	50.000 hrs
Mounting	Surface mounting

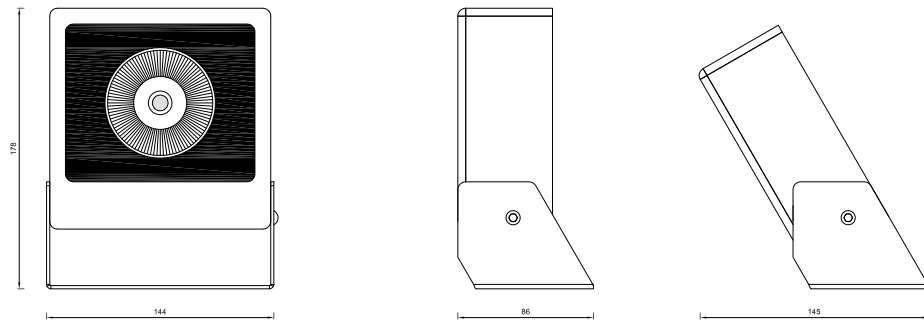
HOW TO ORDER

Model ▼	Power ▼	Optic ▼	Colour ▼
BOXY	---	---	---
BOXY Boxy	12W 12W 17W 17W 25W 25W	012 12° 036 36° 054 54°	K27 Warm white 2700K K30 Warm white 3000K K35 Warm white 3500K K40 Neutral white 4000K K50 Cold white 5500K

Order code example: **BOXY-17W036K27**

Note: not all combinations of technical features are possible, please check with our technical office at the e-mail address tecnico@futuroluce.it

TECHNICAL DRAWING



ACCESSORIES

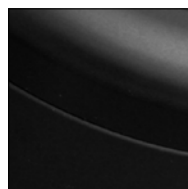
Cables

Cable with M12 2-pole connector female/flying leads L=2 m	CMP00487
Cable with M12 2-pole connector female/flying leads L=5 m	CMP00488
Cable with M12 2-pole connector female/flying leads L=10 m	CMP00489
Cable with M12 2-pole connector female/flying leads L=15 m	CMP00490

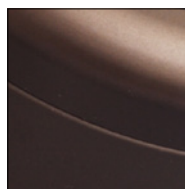
Watertight connections

IP68 Paguro 5665 Junction box - 2x2,5 sqmm - parallel connection	CMP00850
IP68 Paguro 5664/20 Junction box - 4x2,5 sqmm - parallel connection	CMP00852

Finishes



Matt black
anodized aluminium
[ALL-BLK](#)



Dark brown
anodized aluminium
[ALL-BRZ](#)



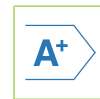
White
RAL9010
[VERO3](#)



HANNOVER

APPLICATIONS

The Hannover floodlight is suitable for the general lighting for relevant architectural contexts and for indoor and outdoor environments. The minimal yet impressive design and the power of the light source give the product the solidity that distinguishes it. Through different configurations of the secondary optics, it can be used as a spotlight to highlight interesting architectural details or as a washer and wall washer. When mounted onto a wall, it can illuminate facades, ceilings, beams, vaults and walls, as well as floors, open spaces and entrance halls. The mounting bracket, adjustable from 0° to 105° and rotatable by 180°, enables an easy installation. RGB version is available for scenic effects in all situations where colour is required to create an evocative atmosphere.



FEATURES

High efficiency (>120 lm/W)

ANSI compliant binning, 2 step MacAdams ellipse for each individual lot

Excellent lumen maintenance and colour stability over time

Extensive dimming range - fully dimmable, with external dimmer

Highly efficient secondary optics

IP67 protection rating

Essential and powerful design

Fast connection

Long life and low maintenance costs

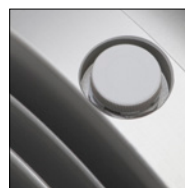
Ecological, no disposal restrictions



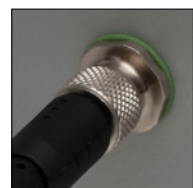
Flush glass



Adjustable bracket



Valve



Connector

SPECIFICATIONS

Performance

LED type	High Power
LED nr. and model	12/18 x Cree XP-E o XP-G / Seoul P5II
Total lumen output (at 85°C)	Up to 3600 lm
Colour temperature (white light)	2800 - 3200 - 4200 - 5500 K
Binning	2 step MacAdam ellipse
CRI	>90 (2800 - 3200 K), >80 (4200 - 5500 K)
Other colours	RGB and on request

Electrical

Supply type	Constant current / constant voltage
Supply value	350 mA / 700 mA / 24 Vdc
Maximum power consumption	Up to 48 W
Connection	M12 2/4/6 poles connector

Physical

Body material	Cossonion-resistant aluminium
Body finish	Anodization
Optic material	PMMA
Optic type	TIR
Screen material	6 mm thick extra-clear safety glass
Dissipation	Passive
Protection rating	IP67
Class	III
Weight	3 Kg
Dimensions	See technical drawing
Operating temperature range	-20 / +70 °C
MTBF (LM80)	50.000 hrs
Mounting	Any position

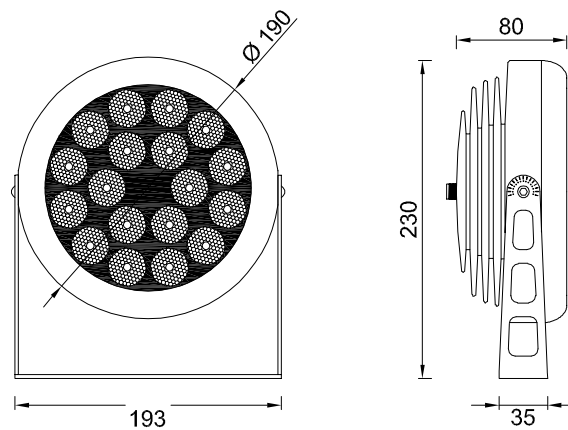
HOW TO ORDER

Model	LED nr.	Supply	Optic	Colour
hN190	□□	□□□	□□□	□□□
hN190 Hannover	12 12 LEDs (RGB) 18 18 LEDs (mono)	350 3 x 350 mA (RGB) 324 3 x 350 mA @ 24 Vdc (RGB) 700 700 mA (mono) 724 700 mA @ 24 Vdc (mono)	010 10° (mono) 021 21° (mono) 039 39° (mono) x44 10° x 44° (mono) 025 25° (RGB) 040 40° (RGB)	WW2 Warm white 2800K WW3 Warm white 3200K NW4 Neutral white 4200K CW5 Cold white 5500K RGB RGB

Order code example: **hN190-18724039CW5**

Note: not all combinations of technical features are possible, please check with our technical office at the e-mail address tecnico@futuraoluce.it

TECHNICAL DRAWING



ACCESSORIES

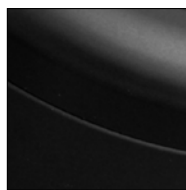
Cables

Cable with M12 2-pole connector female/flying leads L=2 m (monochromatic c.v.)	CMP00487
Cable with M12 2-pole connector female/flying leads L=5 m (monochromatic c.v.)	CMP00488
Cable with M12 2-pole connector female/flying leads L=10 m (monochromatic c.v.)	CMP00489
Cable with M12 2-pole connector female/flying leads L=15 m (monochromatic c.v.)	CMP00490
Cable with M12 4-pole connector female/flying leads L=2 m (RGB c.v.)	CMP00259
Cable with M12 4-pole connector female/flying leads L=5 m (RGB c.v.)	CMP00303
Cable with M12 4-pole connector female/flying leads L=10 m (RGB c.v.)	CMP00370
Cable with M12 4-pole connector female/flying leads L=15 m (RGB c.v.)	CMP00555
Cable with M12 6-pole connector female/flying leads L=2 m (monochromatic & RGB c.c.)	CMP00482
Cable with M12 6-pole connector female/flying leads L=5 m (monochromatic & RGB c.c.)	CMP00483
Cable with M12 6-pole connector female/flying leads L=10 m (monochromatic & RGB c.c.)	CMP00484
Cable with M12 6-pole connector female/flying leads L=15 m (monochromatic & RGB c.c.)	CMP00485

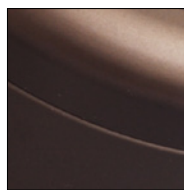
Watertight connections

IP68 Paguro 5665 Junction box - 2x2,5 sqmm - parallel connection	CMP00850
IP68 Paguro 5650/3 Junction box - 3x2,5 sqmm - parallel connection	CMP00851
IP68 Paguro 5664/20 Junction box - 4x2,5 sqmm - parallel connection	CMP00852
IP68 Paguro 5633/6 Junction box - 6x0,5 sqmm - parallel connection	CMP00853
IP68 Paguro 5663 Junction box - 3x6 sqmm - series/parallel connection	CMP00854

Finishes



Matt black
anodized aluminium
[ALL-BLK](#)



Dark brown
anodized aluminium
[ALL-BRZ](#)



TIP

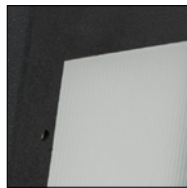
APPLICATIONS

The products of the Tip series are characterized by their simple and functional design, which means they are suitable for installation in both urban and rural environments and for lighting walkways, green areas and terraces. The asymmetric distribution of the light ensures that the areas between fixtures installed in a continuous row are well covered, thereby allowing the number of lights used to be reduced and bringing down energy requirement. The stainless steel body has a dual layer powder-coat, which makes Tip particularly well suited for in-ground installation.

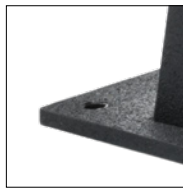


FEATURES

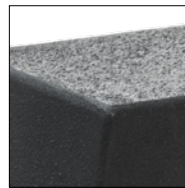
- High efficiency (>110 lm/W)
- ANSI compliant binning, 2 step MacAdams ellipse for each individual lot
- Excellent lumen maintenance and colour stability over time
- Extensive dimming range - fully dimmable, with external dimmer
- IP54 protection rating
- Solid design
- Easy installation
- Long life and low maintenance costs
- Ecological and recyclable, no disposal restrictions



Fresnel glass



Fixing flange



Finish

SPECIFICATIONS

Performance

LED type	Low power
LED nr. and model	120 x Citizen 1608
Total lumen output (at 85°C)	500 lm
Colour temperature (white light)	2700 - 3200 - 4200 - 5500 K
Binning	4 step MacAdam ellipse
CRI	>80
Other colours	On request

Electrical

Supply type	Constant voltage
Supply value	12 Vdc
Maximum power consumption	Up to 20 W
Connection	2x0.5 mmq cable L=2 m

Physical

Body material	V4A stainless steel
Body finish	Aluminium metalization/powder coating
Optic material	n.a.
Optic type	Fresnel
Screen material	10 mm thick extra-clear safety glass
Dissipation	Passive
Protection rating	IP54
Class	III
Weight	5 Kg
Dimensions	See technical drawing
Operating temperature range	-20 / +70 °C
MTBF (LM80)	50.000 hrs
Mounting	On concrete base

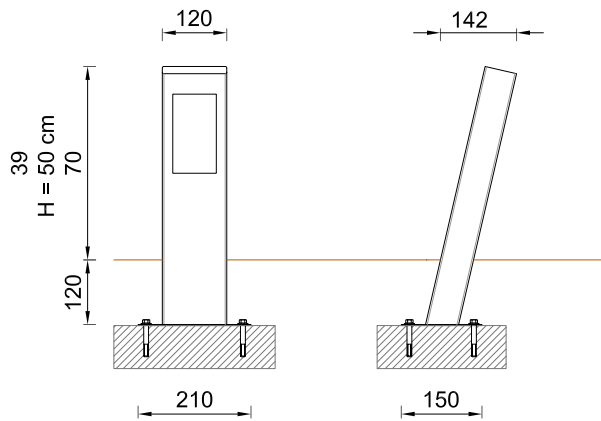
HOW TO ORDER

Model	Optic	Power	Height	Colour
TIP-V	FRN	□□□	□□□	□□□
TIP-V Tip	FRN 180°	010 10 W 020 20 W	039 39 cm 050 50 cm 070 70 cm	WW2 Warm white 2800K WW3 Warm white 3200K NW4 Neutral white 4200K CW5 Cold white 5500K

Order code example: **TIP-VFRN010039WW3**

Note: not all combinations of technical features are possible, please check with our technical office at the e-mail address tecnico@futuroluce.it

TECHNICAL DRAWING



ACCESSORIES

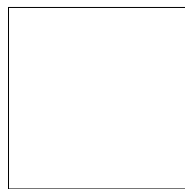
Watertight connections

IP68 Paguro 5665 Junction box - 2x2,5 sqmm - parallel connection	CMP00850
IP68 Paguro 5650/3 Junction box - 3x2,5 sqmm - parallel connection	CMP00851
IP68 Paguro 5664/20 Junction box - 4x2,5 sqmm - parallel connection	CMP00852
IP68 Paguro 5633/6 Junction box - 6x0,5 sqmm - parallel connection	CMP00853
IP68 Paguro 5663 Junction box - 3x6 sqmm - series/parallel connection	CMP00854

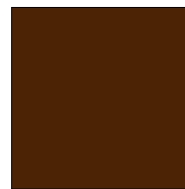
Finishes



Black
RAL9005
[VER06](#)



White
RAL9010
[VER03](#)



Brown
RAL8011
[VER04](#)



Grey
RAL7016
[VER05](#)



TIP-LEAN

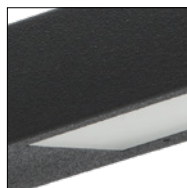
APPLICATIONS

The main feature of these fixtures is their simple and functional design, which means they are suitable for installation in both urban and parks or gardens environments. Available in versions with height up to 120 cm, the product design itself ensures a high level of visual comfort as the source is shielded from sight. The stainless steel body has a dual layer powder-coat, which renders Tip-Lean particularly well suited for installation in the ground. An anchor bolt in stainless steel is used to grant a solid installation, and it's supplied upon request.



FEATURES

- High efficiency (>110 lm/W)
- ANSI compliant binning, 2 step MacAdams ellipse for each individual lot
- Excellent lumen maintenance and colour stability over time
- Extensive dimming range - fully dimmable, with external dimmer
- High efficiency secondary optics
- IP54 protection rating
- Solid design
- Easy installation
- Long life and low maintenance costs
- Ecological and recyclable, no disposal restrictions



10mm thick glass



Fixing flange



Finish

SPECIFICATIONS

Performance

LED type	Mid power / high power
LED nr. and model	120 Citizen 1608 - 6/12/18 Cree XP-E/XP-G
Total lumen output (at 85°C)	from 500 lm
Colour temperature (white light)	2700 - 3200 - 4200 - 5500 K
Binning	4 step MacAdam ellipse
CRI	>80
Other colours	On request

Electrical

Supply type	Constant voltage
Supply value	12 Vdc
Maximum power consumption	Up to 20 W
Connection	2x0.5 mmq cable L=2 m

Physical

Body material	V4A stainless steel
Body finish	Powder coating
Optic material	Glass / PMMA
Optic type	Fresnel / Array
Screen material	10mm thick extra-clear tempered glass
Dissipation	Passive
Protection rating	IP54
Class	III
Weight	7 Kg / 7,5 Kg / 8,5 Kg / 11 Kg
Dimensions	See technical drawing
Operating temperature range	-20 / +70 °C
MTBF (LM80)	50.000 hours
Mounting	On concrete base

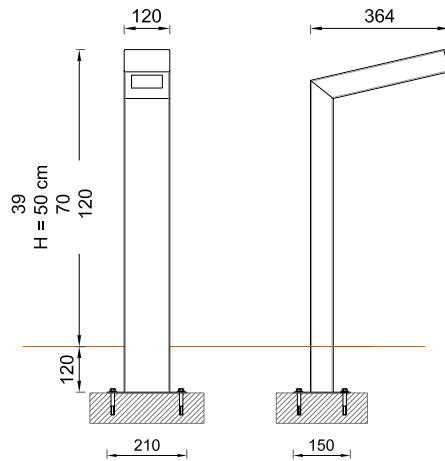
HOW TO ORDER

Model	Optic	Power	Height	Colour
TIP-L	FRN ASX	010 012 020	039 050 070 120	WW2 WW3 NW4 CW5
TIP-L Tip-Lean	FRN 180° ASX Asymmetric	010 10 W 012 12 W 020 20 W	039 39 cm 050 50 cm 070 70 cm 120 120 cm	WW2 Warm white 2800K WW3 Warm white 3200K NW4 Neutral white 4200K CW5 Cold white 5500K

Order code example: TIP-L-FRN012070WW3

Note: not all combinations of technical features are possible, please check with our technical office at the e-mail address tecnico@futuroluce.it

TECHNICAL DRAWING



ACCESSORIES

Mounting kit

Stainless steel anchor bolt dim. 170 x 170 x 400 mm

TRN00197

Watertight connections

IP68 Paguro 5665 Junction box - 2x2,5 sqmm - parallel connection

CMP00850

IP68 Paguro 5650/3 Junction box - 3x2,5 sqmm - parallel connection

CMP00851

IP68 Paguro 5664/20 Junction box - 4x2,5 sqmm - parallel connection

CMP00852

IP68 Paguro 5633/6 Junction box - 6x0,5 sqmm - parallel connection

CMP00853

IP68 Paguro 5663 Junction box - 3x6 sqmm - series/parallel connection

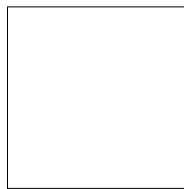
CMP00854

Finishes



Black
RAL9005

VER06



White
RAL9010

VER03



Brown
RAL8011

VER04



Grey
RAL7016

VER05



TIP-HIGH

APPLICATIONS

The TIP-HIGH series luminaires are suitable for lighting green spaces and parking areas in private areas, through the different light emission variants can solve various lighting situations. They are made with 316L stainless steel tube and subjected to a double layer polyester painting treatment, which ensures maximum resistance to atmospheric agents even in particularly hostile situations. They are equipped with high performance lenses that guarantee a homogeneous distribution of the light beam.



FEATURES

- High efficiency (> 110 lm/W)
- ANSI compliant binning, 2 steps MacAdams ellipse for each individual lot
- Excellent lumen maintenance and colour stability over time
- Extensive dimming range - fully dimmable, with external dimmer
- Highly efficient secondary optics
- IP67 protection rating
- Solid design
- Easy installation
- Long life and reduced maintenance costs
- Ecological and recyclable, non disposal restrictions



Optic



Fixing flange



Finish

SPECIFICATIONS

Performance

LED type	High power
LED nr. and model	36x Cree XP-E / XP-G
Total lumen output (at 85°C)	Up to a 7000 lm
Colour temperature (white light)	2800 - 3200 - 4200 - 5500 K
Binning	Up to 5 step MacAdam ellipses
CRI	>80
Other colours	n.d.

Electrical

Supply type	Constant current
Supply value	350 mA / 700 mA
Maximum power consumption	44 W / 88 W
Connection	Cable 2x1.5 mmq L=2 m

Physical

Body material	V4A stainless steel
Body finish	Powder coating
Optic material	PMMA
Optic type	Array
Screen material	n.a.
Dissipation	Passive
Protection rating	IP65
Class	III
Weight	21 Kg
Dimensions	See technical drawing
Operating temperature range	-20 / +70 °C
MTBF (LM80)	50.000 hrs
Mounting	With anchor bolt

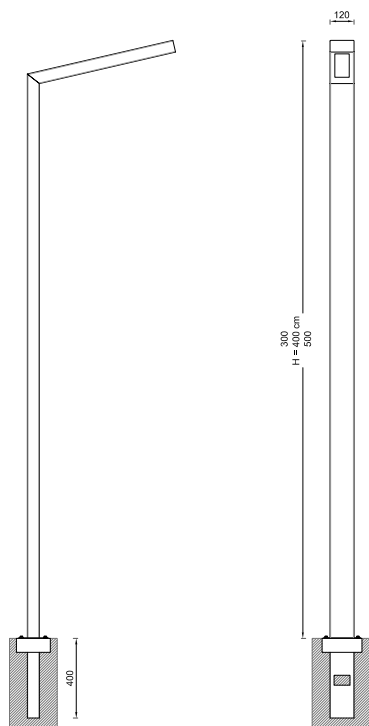
HOW TO ORDER

Model ▼	Optic ▼	Power ▼	Height ▼	Colour ▼
TIP-H	UUUU	UUU	250	UUU
TIP-H Tip-High	ASX1 Asymmetric Type I ASX2 Asymmetric Type II ASX3 Asymmetric Type III ASX5 Asymmetric Type V 060 60° FWHM 090 90° FWHM 120 120° FWHM	044 44 W 088 88 W	300 300 cm 400 400 cm 500 500 cm	WW2 Warm white 2800K WW3 Warm white 3200K NW4 Neutral white 4200K CW5 Cold white 5500K

Order code example: **TIP-H-090088300NW4**

Note: not all combinations of technical features are possible, please check with our technical office at the e-mail address tecnico@futuroluce.it

TECHNICAL DRAWING



ACCESSORIES

Mounting kit

Stainless steel anchor bolt dim. 170 x 170 x 400 mm

TRN00197

Watertight connections

IP68 Paguro 5665 Junction box - 2x2,5 sqmm - parallel connection

CMP00850

IP68 Paguro 5650/3 Junction box - 3x2,5 sqmm - parallel connection

CMP00851

IP68 Paguro 5664/20 Junction box - 4x2,5 sqmm - parallel connection

CMP00852

IP68 Paguro 5633/6 Junction box - 6x0,5 sqmm - parallel connection

CMP00853

IP68 Paguro 5663 Junction box - 3x6 sqmm - series/parallel connection

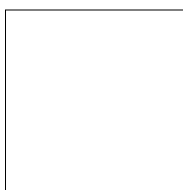
CMP00854

Finishes



Black
RAL9005

VER06



White
RAL9010

VER03



Brown
RAL8011

VER04



Grey
RAL7016

VER05

FUTUROLUCE

ELECTRONICS

DMX DRIVERS 287



UNIsplit



UNIdrive

POWER SUPPLY 290



Indoor
constant
voltage



Outdoor
constant
voltage



Indoor
constant
current



Outdoor
constant
current



Multi-output
configurable



Dimmable



Emergency
modules

COMPLEMENTS 324



Converters



Dimmer

FUTUROLUCE

UNIsplit DMXRDM-1x6
1 isolated signal input + loop
6 isolated signal outputs
24Vdc IN

POWER

+	-	DMX IN	LOOP	DMX OUT	DMX OUT
	24Vdc	+ - G	+ - G	+ - G	+ - G

DMX IN

DMX OUT	DMX OUT	DMX OUT	DMX OUT
+ - G	+ - G	+ - G	G - +

DMX IN

DMX OUT	DMX OUT	DMX OUT	DMX OUT
+ - G	+ - G	+ - G	G - +

DMX IN

DMX CHANNEL X100

DMX CHANNEL X10

DMX CHANNEL X1

DMX IN

FUNCTION SETTING

CE

SW6 SW5 SW4 SW3 SW2 SW1

J1 J2 J3 J4 J5 J6 J7 J8 J9 J10

B5 B6

FUTUROLUCE

UNIdriveDMX-CC-7
4 channels configurable
PWM 16bit max
12-24Vdc IN-OUT 350/500/700mA

JAMPER SETTING

1	2	3	4	5	6	7	8	9	10
0	0	0	0	0	0	0	0	0	0

DMX IN

DMX OUT	DMX OUT	DMX OUT	DMX OUT
+ - G	+ - G	+ - G	G - +

DMX IN

DMX OUT	DMX OUT	DMX OUT	DMX OUT
+ - G	+ - G	+ - G	G - +

DMX IN

DMX OUT	DMX OUT	DMX OUT	DMX OUT
+ - G	+ - G	+ - G	G - +

DMX IN

DMX CHANNEL X100

DMX CHANNEL X10

DMX CHANNEL X1

DMX IN

FUNCTION SETTING

CE

SW6 SW5 SW4 SW3 SW2 SW1

J1 J2 J3 J4 J5 J6 J7 J8 J9 J10

FUTUROLUCE

UNIdriveDMX-CC-7
4 channels configurable
PWM 16bit max
12-24Vdc IN-OUT 350/500/700mA

DMX IN

DMX OUT	DMX OUT	DMX OUT	DMX OUT
+ - G	+ - G	+ - G	G - +

DMX IN

DMX OUT	DMX OUT	DMX OUT	DMX OUT
+ - G	+ - G	+ - G	G - +

DMX IN

DMX OUT	DMX OUT	DMX OUT	DMX OUT
+ - G	+ - G	+ - G	G - +

DMX IN

DMX CHANNEL X100

DMX CHANNEL X10

DMX CHANNEL X1

DMX IN

FUNCTION SETTING

CE

SW6 SW5 SW4 SW3 SW2 SW1

J1 J2 J3 J4 J5 J6 J7 J8 J9 J10

UNISPLIT UNIDRIVE

APPLICATIONS

Unisplit

The UNIsplit module is the basic component of a DMX/RDM system. It is equipped by 1 DMX input line, 1 DMX loop, 6 outputs and it accomplishes the regeneration and the distribution of the input DMX signal. It is characterized by the galvanic insulation of every channel supplies and it is a fundamental device to guarantee an excellent signal quality all along the line.

Unidrive

The UNIdrive module represents the state of the art of drive devices for LED systems, whether in voltage or direct current, as it guarantees control with resolution up to 16 bit. It enables the control of 4 channels, managed independently or grouped simply via a hardware setting. It incorporates advanced selective functions by means of dedicated dip switches, such as emergency function in the absence of signal, level offset, test mode, drive with logarithmic or linear curve, 2 drive frequency modes, DMX line terminator. The start channel setting is done via convenient rotary switches. The signal presence LED allows for rapid diagnostics. The 4 terminal blocks of the outputs permit correct distribution of the load and facilitate the connection of several lines. The key function of this device, selected via a dedicated dip switch and deactivated in the event of instantaneous transitions of state (on/off), is the possibility of having adaptive control, which enables smooth operation without flickering during the dimming stage, especially corresponding to very fast fade outs.

FEATURES

Unisplit

DMX signal regeneration

Galvanic insulation of every channel supplies

Modular element for hooking on DIN rail

6 module size

Removable terminals

Unidrive

Adaptive control of dimming function

Functions selection via dip switches

Channel setting via rotary switches

Emergency function in absence of signal

Offset function

Test mode

Selectable logarithmic or linear curve

Channel coupling function

Integrated selectable signal terminator

UNIsplit

SPECIFICATIONS

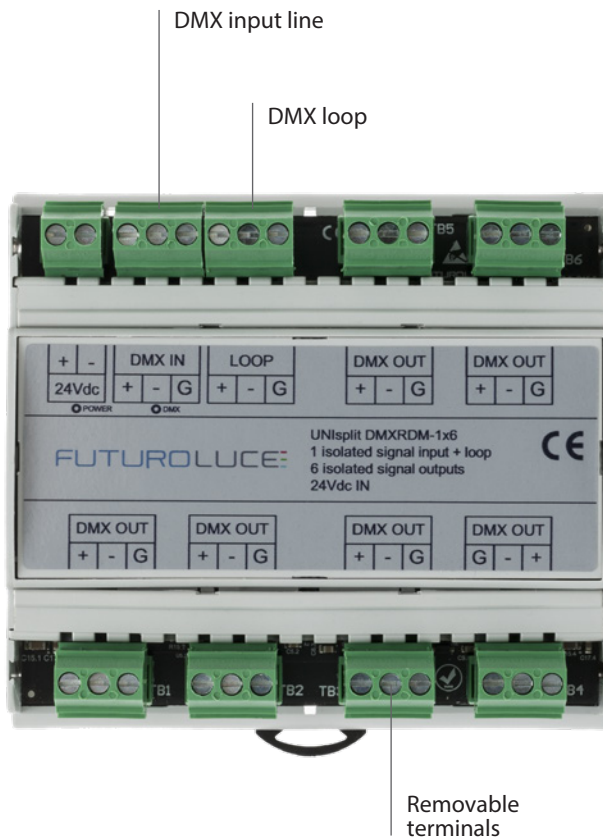
Electrical

Supply type	Constant current
Supply value	24 Vdc
Output number	6
Protocol	DMX 512 RDM
Electrical connection	Removable terminals

Physical

Protection rating	IP20
Weight	0,20 Kg
Dimensions	106 x 96 x H39 mm
Operating temperature range	-20 / +70 °C
Mounting	DIN rail

CONNECTIONS



HOW TO ORDER

Model	Output
UNIsplitDMXRDM	1x6
UNIsplitDMXRDM Unisplit	1x6 6 outputs

UNIdrive

SPECIFICATIONS

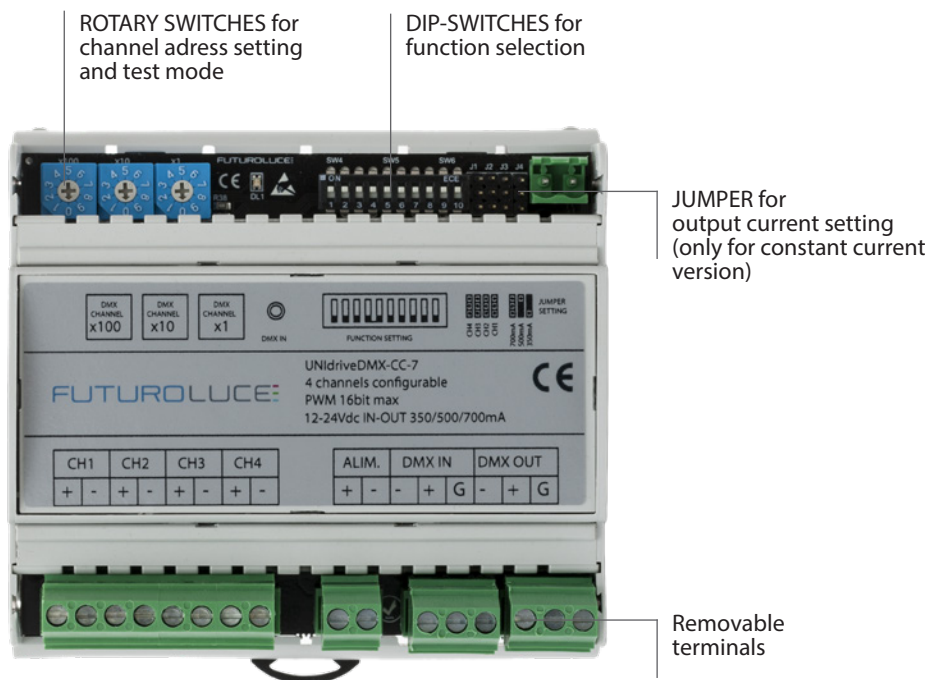
Electrical

Supply type	Constant voltage
Supply value	12 - 24 Vdc
Maximum output current (constant voltage version)	4 A per channel (total 16 A)
Maximum output current (constant current version)	350 / 500 / 700 mA (selectable via jumper)
Output type and resolution	PWM 16 bit (300 Hz) or 12 bit (9 kHz)
Protocol	DMX 512
Maximum LED setback distance	25 m (section conductors 2,5 sqmm)
Electrical connection	Removable terminals

Physical

Protection rating	IP20
Weight	0,17 Kg
Dimensions	106 x 96 x H39 mm
Operating temperature	-20 / +70 °C
Mounting	DIN rail

CONNECTIONS



HOW TO ORDER

Model	Output
UNIdriveDMX	UUU
UNIdriveDMX Unidrive	Vdc Constant voltage 12-24 Vdc CC-7 Constant current 350/500/750 mA

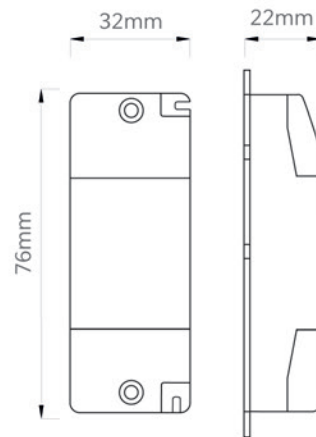
PSU-E012006P20N

PSU-E024006P20N



FEATURES

- Constant voltage version
- Protection rating IP20
- Screweable terminals 2,5 sqmm
- Insulation class II
- Short circuit, overload, over voltage, open circuit and thermal protection
- High efficiency whit minimal heat dispersion and absolute reliability
- Complying with EN61347-2-13, EN61347-1, EN62384, EN55015, EN61000-3-2, EN61547



SPECIFICATIONS

	12 Vdc	24 Vdc
Supply voltage AC	220 - 240 Vac	
Supply voltage DC	176 - 264 Vdc	
Supply frequency	0 / 50 / 60 Hz	
Supply current	60 mA	65 mA
Power factor	> 0,5 C	
Maximum output current	500 mA	250 mA
Output voltage	12 Vdc	24 Vdc
Maximum vacuum voltage	12 Vdc	24 Vdc
Output power	6 W	
Max environment temp. Ta	-10° / 50° C	
Tc Maximum Temp.	75° C	
Weight	0,05 Kg	

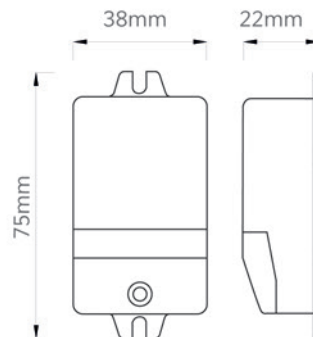
PSU-E012010P20N

PSU-E024010P20N



FEATURES

- Constant voltage version
- Protection rating IP20
- Screweable terminals 2,5 sqmm
- Insulation class II
- Short circuit, overload, over voltage, open circuit and thermal protection
- High efficiency whit minimal heat dispersion and absolute reliability
- Complying with EN61347-2-13, EN61347-1, EN62384, EN55015, EN61000-3-2, EN61547



SPECIFICATIONS

	12 Vdc	24 Vdc
Supply voltage AC	220 - 240 Vac	
Supply voltage DC	176 - 264 Vdc	
Supply frequency	0 / 50 / 60 Hz	
Supply current	80 mA	
Power factor	> 0,5 C	
Maximum output current	700 mA	410 mA
Output voltage	12 Vdc	24 Vdc
Maximum vacuum voltage	12 Vdc	24 Vdc
Output power	8,4 W	10 W
Max environment temp. Ta	-10° / 50° C	
Tc maximum temp.	75° C	
Weight	0,05 Kg	

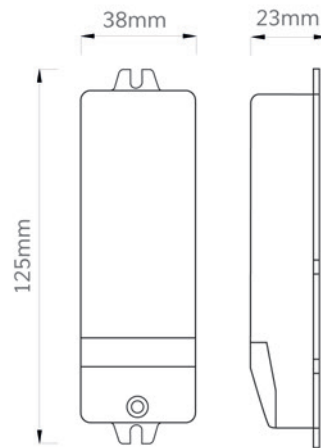
PSU-E012020P20N

PSU-E024020P20N



FEATURES

- Constant voltage version with passive offset
- Protection rating IP20
- Screweable terminals 2,5 sqmm
- Insulation class II
- Short circuit, overload, over voltage, open circuit and thermal protection
- High efficiency with minimal heat dispersion and absolute reliability
- Complying with EN61347-2-13, EN61347-1, EN62384, EN62384, EN55015, EN61000-3-2, EN61547

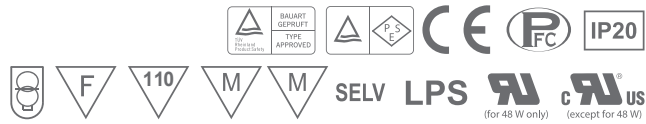


SPECIFICATIONS

	12 Vdc	24 Vdc
Supply voltage AC	220 - 240 Vac	
Supply voltage DC	176 - 264 Vdc	
Supply frequency	0 / 50 / 60 Hz	
Supply current	150 mA	
Power factor	> 0,85 C	
Maximum output current	1.600 mA	800 mA
Output voltage	12 Vdc	24 Vdc
Maximum vacuum voltage	12 Vdc	24 Vdc
Output power	19,2 W	
Max environment temp. Ta	-10° / 50° C	
Tc maximum temp.	75° C	
Weight	0,08 Kg	

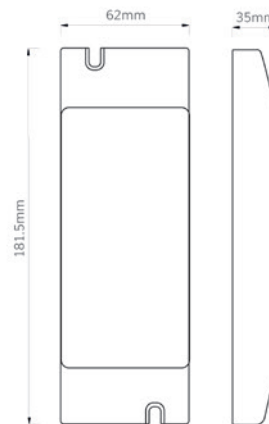
PSU-U012045P20N

PSU-U024045P20N



FEATURES

- Constant voltage version
- Universal AC input
- Integrated circuit for current limitation
- Protection rating IP20
- Screweable terminals 2,5 sqmm
- Insulation class II
- LPS certification
- Short circuit, overload, over voltage, open circuit and thermal protection
- Complying with EN55015, GB17743, EN55022, EN61000-3-3, EN61000-4-2,3,4,5,6,8,11, EN55024, EN61547



SPECIFICATIONS

	12 Vdc	24 Vdc
Supply voltage AC	90 - 264 Vac	
Supply voltage DC	127 - 370 Vdc	
Supply frequency	47 / 63 Hz	
Supply current	0,55 A@115 Vac / 0,25 A@230 Vac	
Power factor	> 0,92 C@115 Vac / > 0,90 C@230 Vac	
Maximum output current	3.8 A	1,9 A
Output voltage	12 Vdc	24 Vdc
Maximum vacuum voltage	12 Vdc	24 Vdc
Output power	45 W	
Max environment temp. Ta	-30° / 50° C	
Tc maximum temp.	N.D.	
Weight	0,41 Kg	

PSU-E024060P20N



FEATURES

Constant voltage version

Protection rating IP20

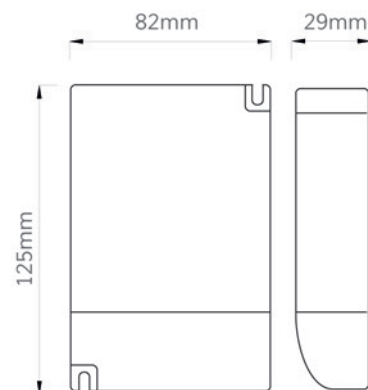
Screwless terminals 2,5 sqmm

Insulation class II

Short circuit, overload, over voltage, open circuit and thermal protection

High efficiency with minimal heat dispersion and absolute reliability

Complying with EN61347-2-13, EN61347-1, EN62384, EN55015, EN61000-3-2, EN61547

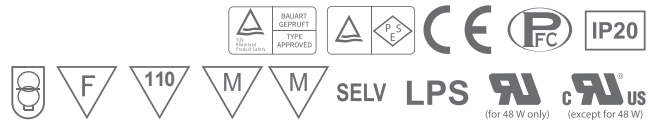


SPECIFICATIONS

	24 Vdc
Supply voltage AC	220 - 240 Vac
Supply voltage DC	176 - 276 Vdc
Supply frequency	0 / 50 / 60 Hz
Supply current	310mA
Power factor	>0,9 C
Maximum output current	2.5 A
Output voltage	24 Vdc
Maximum vacuum voltage	24,5 Vdc
Output power	60 W
Max environment temp. Ta	-10° / 50° C
Tc maximum temp.	75° C
Weight	0,18 Kg

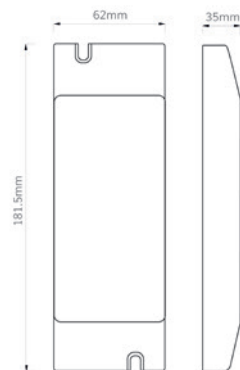
PSU-U012060P20N

PSU-U024060P20N



FEATURES

Constant voltage version
Universal AC input
Integrated circuit for current limitation
Protection rating IP20
Screweable terminals 2,5 sqmm
Insulation class II
LPS certification
Short circuit, overload, over voltage, open circuit and thermal protection
Complying with EN55015, GB17743, EN55022, EN61000-3-3, EN61000-4-2,3,4,5,6,8,11, EN55024, EN61547



SPECIFICATIONS

	12 Vdc	24 Vdc
Supply voltage AC	90 - 264 Vac	
Supply voltage DC	127 - 370 Vdc	
Supply frequency	47 / 63 Hz	
Supply current	0,8 A@115 Vac / 0,4 A@230 Vac	
Power factor	> 0,98 C@115 Vac / > 0,90 C@230 Vac	
Maximum output current	5 A	2,5 A
Output voltage	12 Vdc	24 Vdc
Maximum vacuum voltage	12 Vdc	24 Vdc
Output power	60 W	
Max environment temp. Ta	-30° / 50° C	
Tc maximum temp.	N.D.	
Weight	0,41 Kg	

PSU-U024100P20N



FEATURES

- Constant voltage version

- Universal AC input

- Integrated circuit for current limitation

- Protection rating IP20

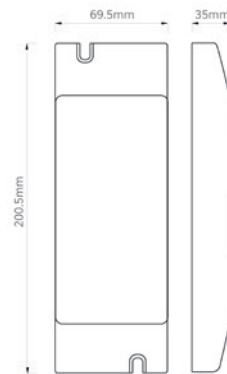
- Screweable terminals 2,5 sqmm

- Insulation class II

- LPS certification

- Short circuit, overload, over voltage, open circuit and thermal protection

- Complying with EN55015, GB17743, EN55022, EN61000-3-3, EN61000-4-2,3,4,5,6,8,11, EN55024, EN61547



SPECIFICATIONS

	24 Vdc
Supply voltage AC	90 - 264 Vac
Supply voltage DC	127 - 370 Vdc
Supply frequency	47 / 63 Hz
Supply current	1,1A@115Vac / 0,55A@230Vac
Power factor	>0,9 C
Maximum output current	4 A
Output voltage	24 Vdc
Maximum vacuum voltage	24 Vdc
Output power	96 W
Max environment temp. Ta	-30° / 50° C
Tc maximum temp.	N. D.
Weight	0,52 Kg

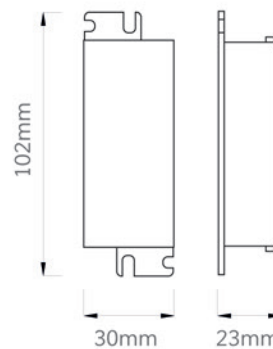
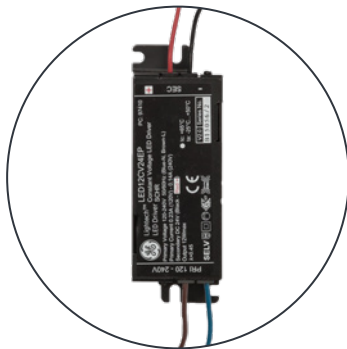
PSU-U012012P67N

PSU-U024012P67N



FEATURES

Universal AC input
Constant voltage version
Withstands 300 VAC surge input for 5 seconds
Reinforced insulation from input to output
Protection rating IP67
Screweable terminals 2,5 sqmm
Insulation class II
Short circuit, overload, over voltage, open circuit and thermal protection
Complying with EN55015, EN61000-3-2,3, EN61347-1, EN61347-2-13, EN61547, EN62384, SELV, RoHs



SPECIFICATIONS

	12 Vdc	24 Vdc
Supply voltage AC	120 - 240 Vac	
Supply voltage DC	120 - 240 Vdc	
Supply frequency	0 / 50 / 60 Hz	
Supply current	0,22 - 0,14 A	
Power factor	> 0,5 C	
Maximum output current	1 A	0,5 A
Output voltage	12 Vdc	24 Vdc
Maximum vacuum voltage	12 Vdc	24 Vdc
Output power	12 W	
Max environment temp. Ta	-25° / 50° C	
Tc maximum temp.	65° C	
Weight	0,15 Kg	

PSU-U012020P67N

PSU-U024020P67N



FEATURES

Constant voltage version

Universal AC input

Integrated circuit for current limitation

Protection rating IP67

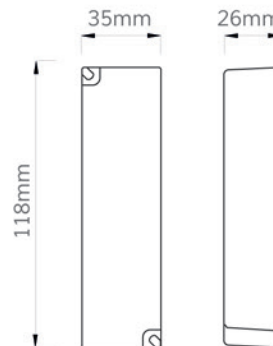
Insulation class II

LPS certification

Short circuit, overload, over voltage, open circuit and thermal protection

Complying with EN55015, GB17743, EN55022, EN61000-3-3,

EN61000-4-2,3,4,5,6,8,11, EN55024, EN61547



SPECIFICATIONS

	12 Vdc	24 Vdc
Supply voltage AC	90 - 264 Vac	
Supply voltage DC	127 - 370 Vdc	
Supply frequency	47 / 63 Hz	
Supply current	0,55 A@115 Vac / 0,35 A@230 Vac	
Power factor	> 0,81 C	> 0,83 C
Maximum output current	1,67 A	0,84 A
Output voltage	12 Vdc	24 Vdc
Maximum vacuum voltage	12 Vdc	24 Vdc
Output power	20 W	20 W
Max environment temp. Ta	-30° / 70° C	
Tc maximum temp.	N.D.	
Weight	0,22 Kg	

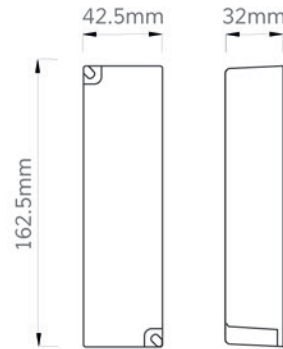
PSU-U012035P67N

PSU-U024035P67N



FEATURES

Constant voltage version
Universal AC input
Integrated circuit for current limitation
Protection rating IP67
Insulation class II
LPS certification
Short circuit, overload, over voltage, open circuit and thermal protection
Complying with EN55015, GB17743, EN55022, EN61000-3-3, EN61000-4-2,3,4,5,6,8,11, EN55024, EN61547



SPECIFICATIONS

	12 Vdc	24 Vdc
Supply voltage AC	90 - 264 Vac	
Supply voltage DC	127 - 370 Vdc	
Supply frequency	47 / 63 Hz	
Supply current	1,1 A@115 Vac / 0,7 A@230 Vac	
Power factor	> 0,84 C	> 0,85 C
Maximum output current	3 A	1,5 A
Output voltage	12 Vdc	24 Vdc
Maximum vacuum voltage	12 Vdc	24 Vdc
Output power	36 W	
Max environment temp. Ta	-30° / 65° C	
Tc maximum temp.	N.D.	
Weight	0,34 Kg	

PSU-U012060P67N

PSU-U024060P67N



FEATURES

Constant voltage version

Universal AC input

Integrated circuit for current limitation

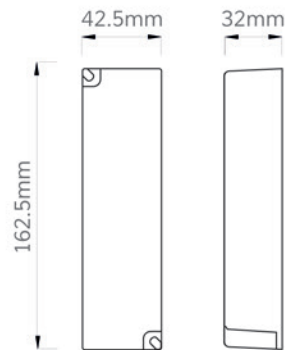
Protection rating IP67

Insulation class II

LPS certification

Short circuit, overload, over voltage, open circuit and thermal protection

Complying with EN55015, GB17743, EN55022, EN61000-3-3,
EN61000-4-2,3,4,5,6,8,11, EN55024, EN61547



SPECIFICATIONS

	12 Vdc	24 Vdc
Supply voltage AC	90 - 264 Vac	
Supply voltage DC	127 - 370 Vdc	
Supply frequency	47 / 63 Hz	
Supply current	1,2 A@115 Vac / 1 A@230 Vac	
Power factor	> 0,83 C	> 0,86 C
Maximum output current	5 A	2,5 A
Output voltage	12 Vdc	24 Vdc
Maximum vacuum voltage	12 Vdc	24 Vdc
Output power	60 W	
Max environment temp. Ta	-30° / 70° C	
Tc maximum temp.	N.D.	
Weight	0,4 Kg	

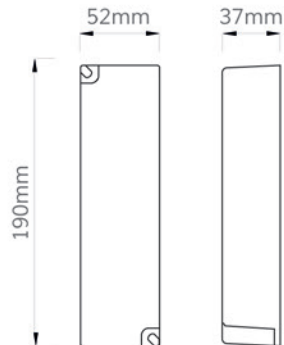
PSU-U0**12**100P67N

PSU-U0**24**100P67N



FEATURES

Constant voltage version
Universal AC input
Integrated circuit for current limitation
Protection rating IP67
Insulation class II
LPS certification
Short circuit, overload, over voltage, open circuit and thermal protection
Complying with EN55015, GB17743, EN55022, EN61000-3-3, EN61000-4-2,3,4,5,6,8,11, EN55024, EN61547



SPECIFICATIONS

	12 Vdc	24 Vdc
Supply voltage AC	90 - 264 Vac	
Supply voltage DC	127 - 370 Vdc	
Supply frequency	47 / 63 Hz	
Supply current	2,2 A@115 Vaa / 1,2 A@230 Vac	
Power factor	> 0,85 C	> 0,88 C
Maximum output current	8,5 A	4,2 A
Output voltage	12 Vdc	24 Vdc
Maximum vacuum voltage	12 Vdc	24 Vdc
Output power	100 W	100 W
Max environment temp. Ta	-25° / 70° C	
Tc maximum temp.	N.D.	
Weight	0,63 kg	

PSU-U012150P65N

PSU-U024150P65N



FEATURES

Constant voltage version

Universal AC input

Integrated circuit for current limitation

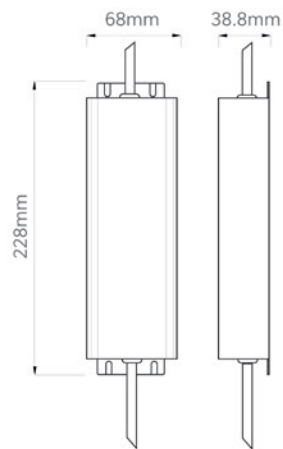
Protection rating IP65

Insulation class II

LPS certification

Short circuit, overload, over voltage, open circuit and thermal protection

Complying with EN55015, GB17743, EN55022, EN61000-3-3,
EN61000-4-2,3,4,5,6,8,11, EN55024, EN61547



SPECIFICATIONS

	12 Vdc	24 Vdc
Supply voltage AC	90 - 305 Vac	
Supply voltage DC	127 - 431 Vdc	
Supply frequency	47 / 63 Hz	
Supply current	1,7 A@115 Vac / 0,75 A@230 Vac	
Power factor	>0,98 C@115 Vac / >0,95 C@230 Vac	
Maximum output current	12,5 A	6,3 A
Output voltage	12 Vdc	24 Vdc
Maximum vacuum voltage	12 VdC	24 Vdc
Output power	150 W	150 W
Max environment temp. Ta	-40° / 70° C	
Tc maximum temp.	N.D.	
Weight	1,15 Kg	

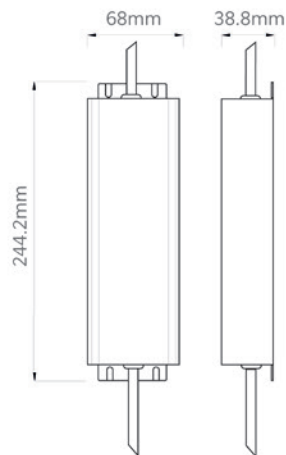
PSU-U012190P65N

PSU-U024240P65N



FEATURES

- Constant voltage version
- Universal AC input
- Integrated circuit for current limitation
- Protection rating IP65
- Insulation class II
- LPS certification
- Short circuit, overload, over voltage, open circuit and thermal protection
- Complying with EN55015, GB17743, EN55022, EN61000-3-3, EN61000-4-2,3,4,5,6,8,11, EN55024, EN61547



SPECIFICATIONS

	12 Vdc	24 Vdc
Supply voltage AC	90 - 305 Vac	
Supply voltage DC	127 - 431 Vdc	
Supply frequency	47 / 63 Hz	
Supply current	4 A@115 Vac / 2 A@230 Vac	
Power factor	>0,98 C@115 Vac / >0,95 C@230 Vac	
Maximum output current	16 A	10 A
Output voltage	12 Vdc	24 Vdc
Maximum vacuum voltage	12 Vdc	24 Vdc
Output power	190W	240 W
Max environment temp. Ta	-40° / 70° C	
Tc maximum temp.	N.D.	
Weight	1,3 kg	

PSU-U012260P65N

PSU-U024320P65N



FEATURES

Constant voltage version

Universal AC input

Integrated circuit for current limitation

Protection rating IP65

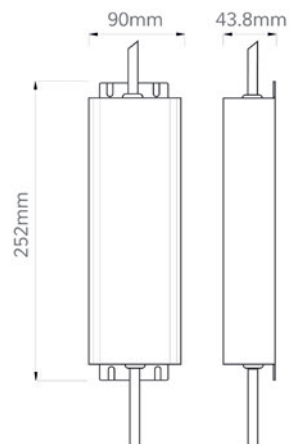
Insulation class II

LPS certification

Short circuit, overload, over voltage, open circuit and thermal protection

Complying with EN55015, GB17743, EN55022, EN61000-3-3,

EN61000-4-2,3,4,5,6,8,11, EN55024, EN61547



SPECIFICATIONS

	12 Vdc	24 Vdc
Supply voltage AC	90 - 305 Vac	
Supply voltage DC	127 - 431 Vdc	
Supply frequency	47 / 63 Hz	
Supply current	3,5 A@115 Vac / 1,65 A@230 Vac	
Power factor	>0,98 C@115 Vac / >0,95 C@230 Vac	
Maximum output current	22 A	13 A
Output voltage	12 Vdc	24 Vdc
Maximum vacuum voltage	12 Vdc	24 Vdc
Output power	260 W	320 W
Max environment temp. Ta	-40° / 70° C	
Tc maximum temp.	N.D.	
Weight	1,88 Kg	

PSU-E350006P20N

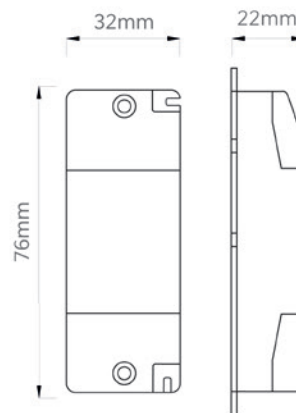
PSU-E500006P20N

PSU-E700006P20N



FEATURES

Constant current version
Protection rating IP20
Screweable terminals 2,5 sqmm
Insulation class II
Short circuit, overload, over voltage, open circuit and thermal protection
High efficiency with minimal heat dispersion and absolute reliability
Complying with EN61347-2-13, EN61347-1, EN62384, EN55015, EN61000-3-2, EN61547



SPECIFICATIONS

	350 mA	500 mA	700 mA
Supply voltage AC	220 - 240 Vac		
Supply voltage DC	176 - 264 Vdc		
Supply frequency	0 / 50 / 60 Hz		
Supply current	50 mA	60 mA	80 mA
Power factor	> 0,5 C	> 0,6 C	> 0,5 C
Maximum output current	350 mA	500 mA	700 mA
Output voltage	3 - 16 Vdc	3 - 12 Vdc	3 - 11 Vdc
Maximum vacuum voltage	20 Vdc	20 Vdc	15 Vdc
Output power	5,6 W	6 W	7,7 W
Max environment temp. Ta	-10° / 50° C		
Tc maximum temp.	75° C		
Weight	0,045 Kg		

PSU-E**350**010P20N

PSU-E**500**010P20N

PSU-E**700**010P20N



FEATURES

Constant current version

Protection rating IP20

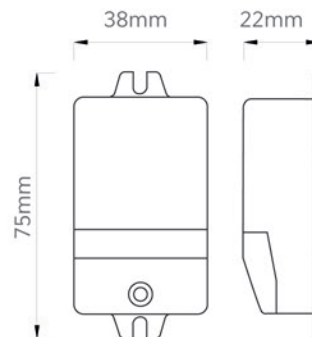
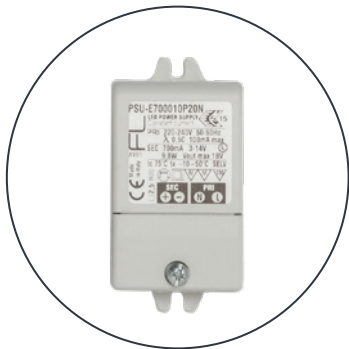
Screweable terminals 2,5 sqmm

Insulation class II

Short circuit, overload, over voltage, open circuit and thermal protection

High efficiency with minimal heat dispersion and absolute reliability

Complying with EN61347-2-13, EN61347-1, EN62384, EN55015, EN61000-3-2, EN61547



SPECIFICATIONS

	350 mA	500 mA	700 mA
Supply voltage AC	220 - 240 Vac		
Supply voltage DC	176 - 264 Vdc		
Supply frequency	0 / 50 / 60 Hz		
Supply current	80 mA	70 mA	100 mA
Power factor	> 0,5 C	> 0,5 C	> 0,5 C
Maximum output current	350 mA	500 mA	700 mA
Output voltage	3 - 24 Vdc	3 - 15 Vdc	3 - 14 Vdc
Maximum vacuum voltage	30 Vdc	20 Vdc	18 Vdc
Output power	8,4 W	8 W	9,8 W
Max environment temp. Ta	-10° / 50° C		
Tc maximum temp.	75° C		
Weight	0,05 Kg		

PSU-E350020P20N

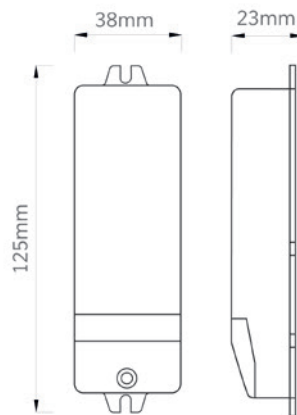
PSU-E500020P20N

PSU-E700020P20N



FEATURES

Constant current version
Protection rating IP20
Screweable terminals 2,5 sqmm
Insulation class II
Short circuit, overload, over voltage, open circuit and thermal protection
High efficiency with minimal heat dispersion and absolute reliability
Complying with EN61347-2-13, EN61347-1, EN62384, EN55015, EN61000-3-2, EN61547



SPECIFICATIONS

	350 mA	500 mA	700 mA
Supply voltage AC	220 - 240 Vac		
Supply voltage DC	176 - 264 Vdc		
Supply frequency	0 / 50 / 60 Hz		
Supply current	150 mA		
Power factor	> 0,85 C		
Maximum output current	350 mA	500 mA	700 mA
Output voltage	3 - 54 Vdc	3 - 40 Vc	3 - 29 Vdc
Maximum vacuum voltage	55 Vdc	41 Vdc	31 Vdc
Output power	19 W	20 W	20 W
Max environment temp. Ta	-10° / 50° C		
Tc maximum temp.	75° C		
Weight	0,08 Kg		

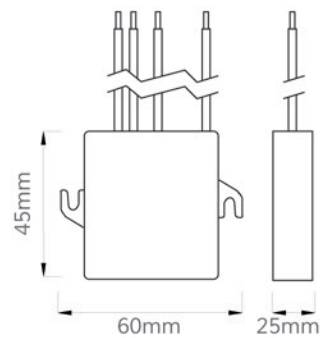
PSU-U350006P67N

PSU-U700006P67N



FEATURES

Constant current version
Universal AC input
Fast start-up time
Reinforced insulation from input to output
Protection rating IP67
Insulation class II
Short circuit, overload, over voltage, open circuit and thermal protection
Complying with EN55015, EN61000-3-2,3 , EN61347-1, EN61347-2-13, EN61547, EN62384, SELV



SPECIFICATIONS

	350 mA	700 mA
Supply voltage AC	120 - 277 Vac	120 - 240 Vac
Supply voltage DC	120 - 277 Vdc	120 - 240 Vdc
Supply frequency	50 / 60 Hz	
Supply current	0,07 - 0,12 A	
Power factor	>0,5 C	
Maximum output current	350 mA	700 mA
Output voltage	2-20 Vdc	2-11 Vdc
Maximum vacuum voltage	20 Vdc	11 Vdc
Output power	6 W	
Max environment temp. Ta	-25° / 50° C	
Tc maximum temp.	75° C	
Weight	0,09 Kg	

PSU-U350012P67N

PSU-U700012P67N



FEATURES

- Constant current version

- Universal AC input

- Fast start-up time

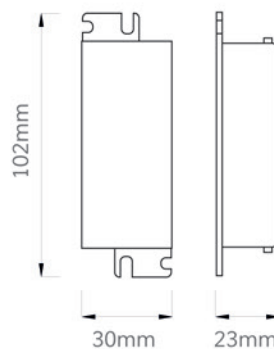
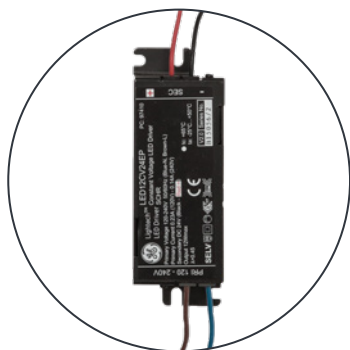
- Reinforced insulation from input to output

- Protection rating IP67

- Insulation class II

- Short circuit, overload, over voltage, open circuit and thermal protection

- Complying with SELV



SPECIFICATIONS

	350 mA	700 mA
Supply voltage AC	210 - 240 Vac	
Supply voltage DC	120 - 240 Vdc	
Supply frequency	0 / 50 / 60 Hz	
Supply current	0,14 - 0,21 A	
Power factor	>0,5 C	
Maximum output current	350 mA	700 mA
Output voltage	2 - 35 Vdc	2 - 18 Vdc
Maximum vacuum voltage	35 Vdc	18 Vdc
Output power	12 W	
Max environment temp. Ta	-25° / 50° C	
Tc maximum temp.	65° C	
Weight	0,13 Kg	

PSU-U350020P67N

PSU-U700020P67N



FEATURES

- Constant current version

- Universal AC input

- Withstands 300 VAC surge input for 5 seconds

- Reinforced insulation from input to output

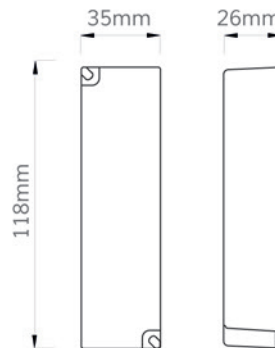
- Protection rating IP67

- Insulation class II

- LPS certification

- Short circuit, overload, over voltage, open circuit and thermal protection

- Complying with EN55015, EN61000-3-2,3 , EN61000-4-2,3,4,5,6,8,11, EN55024



SPECIFICATIONS

	350 mA	700 mA
Supply voltage AC	90 - 264 Vac	
Supply voltage DC	127 - 370 Vdc	
Supply frequency	47 / 63 Hz	
Supply current	0,55 A@115 Vac / 0,35 A@230 Vac	
Power factor	>0,83 C	
Maximum output current	350 mA	700 mA
Output voltage	9 - 48 Vdc	9 - 30 Vdc
Maximum vacuum voltage	48 Vdc	30 Vdc
Output power	16,8 W	21 W
Max environment temp. Ta	-30° / 70° C	
Tc maximum temp.	N.D.	
Weight	0,22 Kg	

PSU-U700035P67N



FEATURES

- Constant current version

- Universal AC input

- Withstands 300 VAC surge input for 5 seconds

- Reinforced insulation from input to output

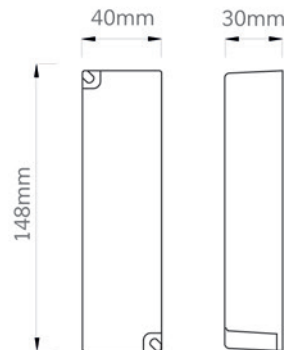
- Protection rating IP67

- Insulation class II

- LPS certification

- Short circuit, overload, over voltage, open circuit and thermal protection

- Complying with EN55015, EN61000-3-2,3 , EN61000-4-2,3,4,5,6,8,11, EN55024



SPECIFICATIONS

	700 mA
Supply voltage AC	90 - 264 Vac
Supply voltage DC	127 - 370 Vdc
Supply frequency	47 / 63 Hz
Supply current	1,1 A@115 Vac / 0,7 A@230 Vac
Power factor	>0,85 C
Maximum output current	700 mA
Output voltage	9 - 48 Vdc
Maximum vacuum voltage	48 Vdc
Output power	33,6 W
Max environment temp. Ta	-30° / 70° C
Tc maximum temp.	N.D.
Weight	0,34 Kg

PSU-U105050P67N

PSU-U140060P67N



FEATURES

Constant current version

Universal AC input

Withstands 300 VAC surge input for 5 seconds

Reinforced insulation from input to output

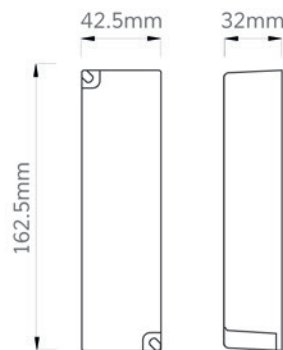
Protection rating IP67

Insulation class II

LPS certification

Short circuit, overload, over voltage, open circuit and thermal protection

Complying with EN55015, EN61000-3-2,3 , EN61000-4-2,3,4,5,6,8,11, EN55024



SPECIFICATIONS

	1050 mA	1400 mA
Supply voltage AC	90 - 264 Vac	
Supply voltage DC	127 - 370 Vdc	
Supply frequency	47 / 63 Hz	
Supply current	1,2 A@115 Vac / 0,70 A@230 Vac	
Power factor	>0,85 C	
Maximum output current	1050 mA	1400 mA
Output voltage	9 - 48 Vdc	9 - 42 Vdc
Maximum vacuum voltage	48 Vdc	42 Vdc
Output power	50W	60 W
Max environment temp. Ta	-30° / 70° C	
Tc maximum temp.	N.D.	
Weight	0,40 Kg	

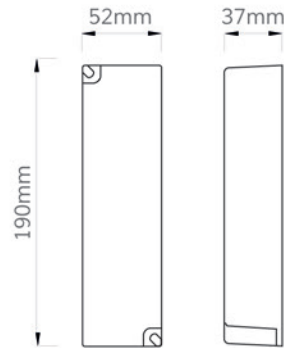
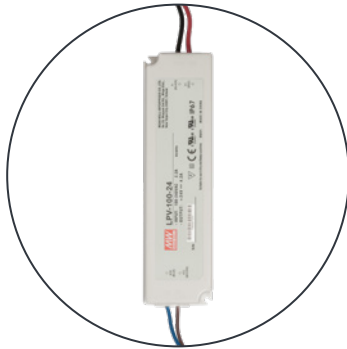
PSU-U350100P67N

PSU-U700100P67N



FEATURES

Constant current version
Universal AC input
Withstands 300 VAC surge input for 5 seconds
Reinforced insulation from input to output
Protection rating IP67
Insulation class II
Short circuit, overload, over voltage, open circuit and thermal protection
Complying with SELV



SPECIFICATIONS

	350 mA	700 mA
Supply voltage AC	90 - 264 Vac	
Supply voltage DC	127 - 370 Vdc	
Supply frequency	47 / 63 Hz	
Supply current	1,2 A@115 Vac / 0,70 A@230 Vac	
Power factor	>0,90 C	
Maximum output current	350 mA	700 mA
Output voltage	143 - 286 Vdc	72 - 143 Vdc
Maximum vacuum voltage	286 Vdc	143 Vdc
Output power	100 W	
Max environment temp. Ta	-30° / 70° C	
Tc maximum temp.	N.D.	
Weight	0,61 Kg	

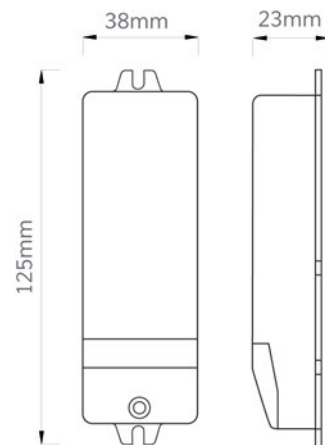
PSU-EUNI020P20N



SPECS

	200 mA	250 mA	300 mA	350 mA	400 mA	450 mA
Supply voltage AC	220 - 240 Vac					
Supply voltage DC	176 - 276 Vdc					
Supply frequency	0 / 50 / 60 Hz					
Supply current	60 mA	75 mA	85 mA	100 mA	115 mA	130 mA
Power factor	> 0,85 C	> 0,86 C	> 0,88 C	> 0,89 C	> 0,90 C	> 0,91 C
Maximum output current	200 mA	250 mA	300 mA	350 mA	400 mA	450 mA
Output voltage	3 - 42 Vdc					
Maximum vacuum voltage	50 Vdc					
Output power	8,4 W	10,5 W	12,6 W	14,7 W	16,8 W	18,9 W
Max environment temp. Ta	-25° / 70° C					
Tc maximum temp.	75° C					
Weight	0,08 Kg					

	500 mA	550 mA	600 mA	650 mA	700 mA
Supply voltage AC	220 - 240 Vac				
Supply voltage DC	176 - 276 Vdc				
Supply frequency	0 / 50 / 60 Hz				
Supply current	140 mA	550 mA	600 mA	650 mA	700 mA
Power factor	> 0,93 C	> 0,93 C	> 0,93 C	> 0,93 C	> 0,95 C
Maximum output current	500 mA	550 mA	600 mA	650 mA	700 mA
Output voltage	3-40 Vdc	3-36 Vdc	3-33 Vdc	3-30 Vdc	3-28 Vdc
Maximum vacuum voltage	50 Vdc				
Output power	20 W	19,8 W	19,8 W	19,5 W	19,6 W
Max environment temp. Ta	-25° / 70° C				
Tc maximum temp.	75° C				
Weight	0,08 Kg				



FEATURES

Independent power supply

Passive PFC

Multi-power dip-switch adjustable, constant current for power

Output current ripple < 3%

Protection rating IP20

Screweable terminals 2,5 sqmm

Insulation class II

Short circuit, overload, over voltage, open circuit and thermal protection

MTBF (LM80) 50.000 hrs at Tc max

Complying with EN61347-2-13, EN61347-1-7, EN62384,

EN55015, EN6100-3-2, EN61547

PSU-EUN4020P20Z



SPECS

	200 mA	250 mA	350 mA	400 mA	500 mA
Supply voltage AC	220 - 240 Vac				
Supply voltage DC	220 - 240 Vac				
Supply frequency	0 / 50 / 60 Hz				
Supply current	60 mA	800 mA	100 mA	100 mA	110 mA
Power factor	0,90 C	> 0,90 C	> 0,95 C	> 0,95 C	> 0,95 C
Maximum output current	200 mA	250 mA	350 mA	400 mA	500 mA
Output voltage	6-46 Vdc	3-46 Vdc	3-46 Vdc	3-46 Vdc	3-40 Vdc
Maximum vacuum voltage	55 Vdc				
Output power	9,2 W	11,5 W	16,1 W	18,4 W	20 W
Max environment temp. Ta	-10° / 50° C				
Tc maximum temp.	75° C				
Weight	0,05 Kg				

	600 mA	700 mA	900 mA	12 V	24 V
Supply voltage AC	220 - 240 Vac				
Supply voltage DC	220 - 240 Vdc				
Supply frequency	0 / 50 / 60 Hz				
Supply current	110 mA	120 mA	120 mA	80 mA	130 mA
Power factor	> 0,95 C	> 0,95 C	> 0,95 C	> 0,92 C	> 0,95 C
Maximum output current	600 mA	700 mA	900 mA	900 mA	900 mA
Output voltage	3-34 Vdc	3-28 Vdc	3-22 Vdc	12 Vdc	24 Vdc
Maximum vacuum voltage	55 Vdc			12,5 Vdc	24,5 Vdc
Output power	20,4 W	19,6 W	19,8 W	10,8 W	21,6 W
Max environment temp. Ta	-10° / 50° C				
Tc maximum temp.	75° C				
Weight	0,05 Kg				



FEATURES

- Independent power supply
- Multi-power dip-switch adjustable,
constant current or constant voltage
- Dimmable DALI, Push, 1-10V, 0-10V
- Protection rating IP20
- Screwless terminals 2,5 sqmm
- Insulation class II
- Short circuit, overload, over voltage, open circuit and thermal protection
- High efficiency with minimal heat dispersion
- Complying with EN61347-2-13, EN61347-1-7, EN62384,
EN55015, EN6100-3-2, EN61547

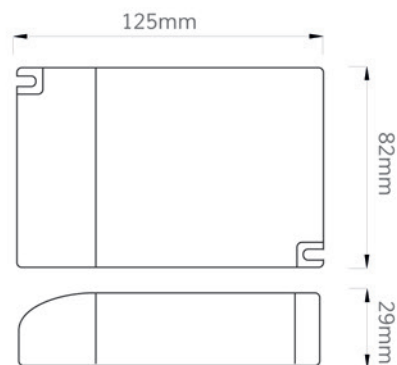
PSU-EUN2042P20Z



SPECS

	350 mA	400 mA	450 mA	500 mA	550 mA	600 mA	630 mA
Supply voltage AC	220 - 240 Vdc						
Supply voltage DC	176 - 280 Vdc						
Supply frequency	0 / 50 / 60 mA						
Supply current	110 mA	120 mA	130 mA	140 mA	150 mA	160 mA	170 mA
Power factor	> 0,85 C	> 0,9 C	> 0,9 C	> 0,95 C			
Maximum output current	350 mA	400 mA	450 mA	500 mA	550 mA	600 mA	630 mA
Output voltage	9 - 48 Vdc						
Maximum vacuum voltage	55 Vdc						
Output power	17 W	19,2 W	21,6 W	24 W	26,4 W	28,8 W	30 W
Max environment temp. Ta	-10 / 45° C						
Tc maximum temp.	75° C						
Weight	0,18 Kg						

	700 mA	800 mA	850 mA	900 mA	1000 mA	24 Vdc
Supply voltage AC	220 - 240 Vdc					
Supply voltage DC	176 - 280 Vdc					
Supply frequency	0 / 50 / 60 mA					
Supply current	190 mA	230 mA	240 mA			140 mA
Power factor	> 0,96 C					> 0,9 C
Maximum output current	700 mA	800 mA	850 mA	900 mA	1000 mA	1000mA
Output voltage	9 - 48 Vdc				9-40 Vdc	24 Vdc
Maximum vacuum voltage	55 Vdc					24,5 Vdc
Output power	33,6 W	38,4 W	41 W	43 W	40 W	24 W
Max environment temp. Ta	-10 / 45° C					
Tc maximum temp.	75° C					
Weight	0,18 Kg					



FEATURES

- Independent power supply
- Active PFC
- Output current ripple < 3%
- Multi-power dip-switch adjustable, constant current or constant voltage
- Master/slave function with standard cables
- Dimmable DALI, Push, 0-10 or 1-10V
- Protection rating IP20
- Screwless terminals 2,5 sqmm
- Insulation class II
- Short circuit, overload, over voltage, open circuit and thermal protection
- MTBF (LM80) 50.000 hrs at Tc max
- Complying with EN61347-2-13, EN61347-1, EN62384, EN62386-101-102-207, EN55015, EN6100-3-2, EN61547

PSU-E350010P20F

FEATURES

Independent driver

Constant current version for power LED

Regulating driver with "phase cut-off" dimmer IGBT

Degree protection, IP20

Screwable terminals connection, 2,5mmq

Class II protection

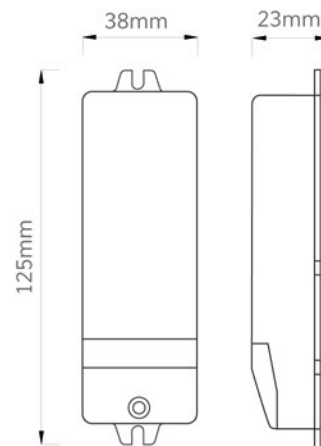
Short circuit, overload, open circuit and thermal protection

High efficiency and absolute reliability

Nominal life-time up to 50,000h at tc max

Complying with EN61347-2-13, EN61347-1,

EN62384, EN55015, EN61000-3-2,



SPECIFICATIONS

	350 mA
Supply voltage AC	220 - 240 Vac
Supply voltage DC	-
Supply frequency	50 / 60 Hz
Supply current	90 mA
Power factor	0,95 C
Maximum output current	350 mA
Output voltage	20-30 V
Maximum vacuum voltage	35 V
Output power	10 W
Max environment temp. Ta	-10 / 50° C
Tc maximum temp.	75°
Weight	0,08 Kg

PSU-E024060P20P

FEATURES

Independent driver

Active PFC

Constant voltage version for LED modules

Push, 1-10V dimmable

Degree protection, IP20

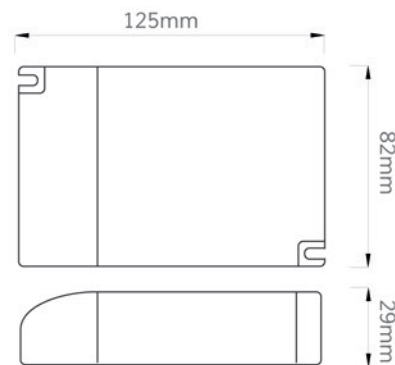
Screwable terminals connection, 2,5mmq

Class II protection

Short circuit, overload, open circuit and thermal protection

High efficiency and absolute reliability

Complying with EN61347-2-13, EN61347-1,
EN62384, EN55015, EN61000-3-2, EN61547



SPECIFICATIONS

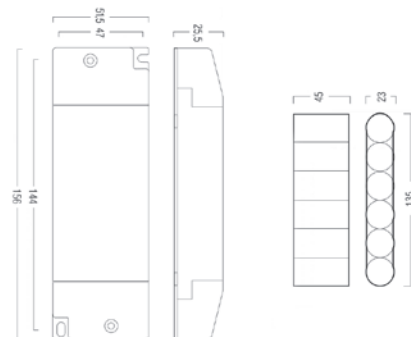
Supply voltage AC	2500 mA
Supply voltage DC	220 - 240 Vac
Supply frequency	176 - 276 Vdc
Supply current	0 / 50 / 60 Hz
Power factor	310 mA
Maximum output current	>0,95 C
Output voltage	2500 mA
Maximum vacuum voltage	24 Vdc
Output power	24,5 Vdc
Max environment temp. Ta	60 W
Tc maximum temp.	-10° / 50° C
Weight	75° C
	0,18 Kg

PSU-EME02402A1HR



FEATURES

- Operation only in emergency
- Full power operation combined with electronic supplies
- Dip-switch adjustable version
- Instant operation at every power failure
- NiCd "high temperature" batteries
- LED recharge indicator
- Protection against extensive discharge
- Complying with EN61347-2-13, EN61347-2-7, EN61547, EN55015, EN60598-2-22, EN6100-3-2, SELV



SPECIFICATIONS

Supply voltage AC	220 - 240 Vac 50 / 60 Hz
Supply current	20 mA
Max operating temperature on the case	70° C
Environment temp.	0 / 50° C
Recharging time	24 ore
Maximum distance from the fixture	3 m
Terminals range	1,5 mmq
Cable section	2x0,75 mmq
Batteries cable lenght	280 mm
LED cable lenght	350 mm
Mounting LED hole	diam. 8,8 mm

PSU-EME3501438HR



FEATURES

Combined operation both in full power and in emergency

Suitable for high power led (max 4 LED x 1 W)

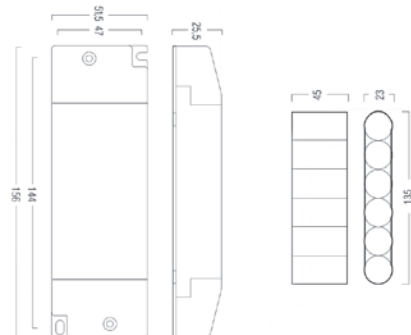
Instant operation at every power failure

NiCd "high temperature" batteries

LED recharge indicator

Protection against extensive discharge

Complying with EN61347-2-13, EN61347-2-7, EN61547, EN55015, EN60598-2-22, EN6100-3-2, SELV



SPECIFICATIONS

Supply voltage AC	220 - 240 Vac 50 / 60 Hz
Supply current	40 mA
Max operating temperature on the casing	70° C
Environment temp.	0 / 45° C
Recharging time	24 ore
Maximum distance from the fixture	2 m
Terminals range	1,5 mmq
Cable section	2x0,75 mmq
Batteries cable lenght	280 mm
LED cable lenght	350 mm
Mounting LED hole	diam. 8,8 mm

DRV-1248**350**

DRV-1248**500**

DRV-1248**700**

FEATURES

Using with SELV circuits

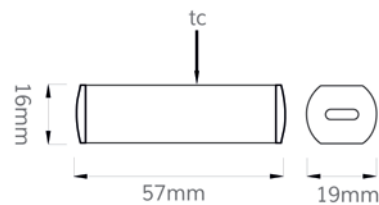
Dimmable, directly modulated Vin + and - input

Input protections: anti-reverse, over voltage, fuse

Output protections: short circuit, overload, open circuit and thermic

High efficiency with minimal heat dispersion and absolute reliability

Complying with EN61347-2-13, EN61347-1, EN55015,
EN61000-3-2, EN62384, SELV



SPECIFICATIONS

	350 mA	500 mA	700 mA
Supply voltage AC	n.a.		
Supply voltage DC	12 - 48 Vdc		
Supply frequency	n.a.		
Supply current	350 mA	500 mA	700 mA
Power factor	> 0,95 C		
Maximum output current	350 mA	500 mA	700 mA
Output voltage	3 - 45 Vdc		
Maximum vacuum voltage	52 Vdc		
Output power	16 W	22,5 W	31,5 W
Max environment temp. Ta	-10° / 50° C		
Tc maximum temp.	70° C		
Weight	0,01 Kg		

DRV-1224**350**P67

DRV-1224**500**P67

DRV-1224**700**P67

FEATURES

Compact size

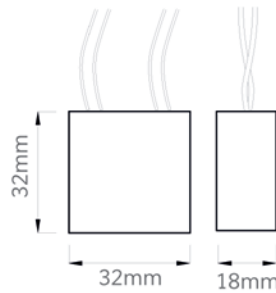
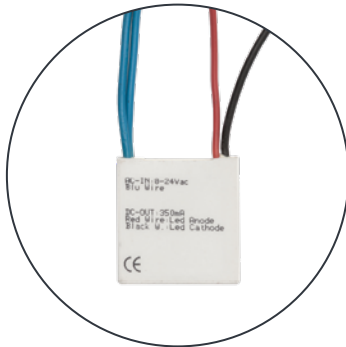
Wide input voltage range

Resined box for using even in harsh environments

Input protections: anti-reverse, over voltage

Output protections: short circuit, open circuit

High efficiency with minimal heat dispersion and absolute reliability



SPECIFICATIONS

	350 mA	500 mA	700 mA
Supply voltage AC	8 - 32 Vac		
Supply voltage DC	8 - 45 Vdc		
Supply frequency	0 / 60 Hz		
Supply current	50 mA	65 mA	80 mA
Power factor	> 0,5 C	> 0,8 C	> 0,5 C
Maximum output current	350 mA	500 mA	700 mA
Output voltage	3 - 16 Vdc	5 - 46 Vdc	3 - 11 Vdc
Maximum vacuum voltage	20 Vdc	46 Vdc	15 Vdc
Output power	5,6 W	2 - 28 W	7,7 W
Max environment temp. Ta	-10° / 50° C		
Tc maximum temp.	65° C		
Weight	0,04 Kg		

DRV-UNIVDC012A

FEATURES

6 operating modes adjustable with dip-switch

1) On/Off mode (only On/Off)

2) Push dimming mode (A profile slow/fast, B profile)

3) DALI mode

4) Dimming 0-10 V mode

5) Dimming 1-10 V mode

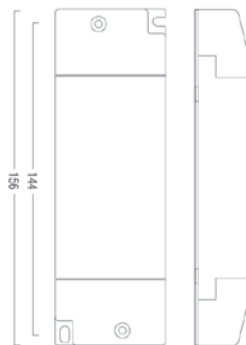
6) Slave mode

Last dimming data memory

Default DALI (factory configuration): power On 100%, system fail level 100%

Complying with EN61347-2-13, EN61347-1, EN62384, EN55015,

EN61000-3-2, EN61547



SPECIFICATIONS

	12 - 24 Vdc
Supply voltage AC	n.a.
Supply voltage DC	12 - 48 Vdc
Supply frequency	n.a.
Supply current	n.a.
Power factor	n.a.
Maximum output current	12 A
Output voltage	12 - 24 Vdc
Maximum vacuum voltage	n.a.
Output power	288 W
Max environment temp. Ta	-10° C / 50° C
Tc maximum temp.	70° C
Weight	0,05 Kg

APPENDIX

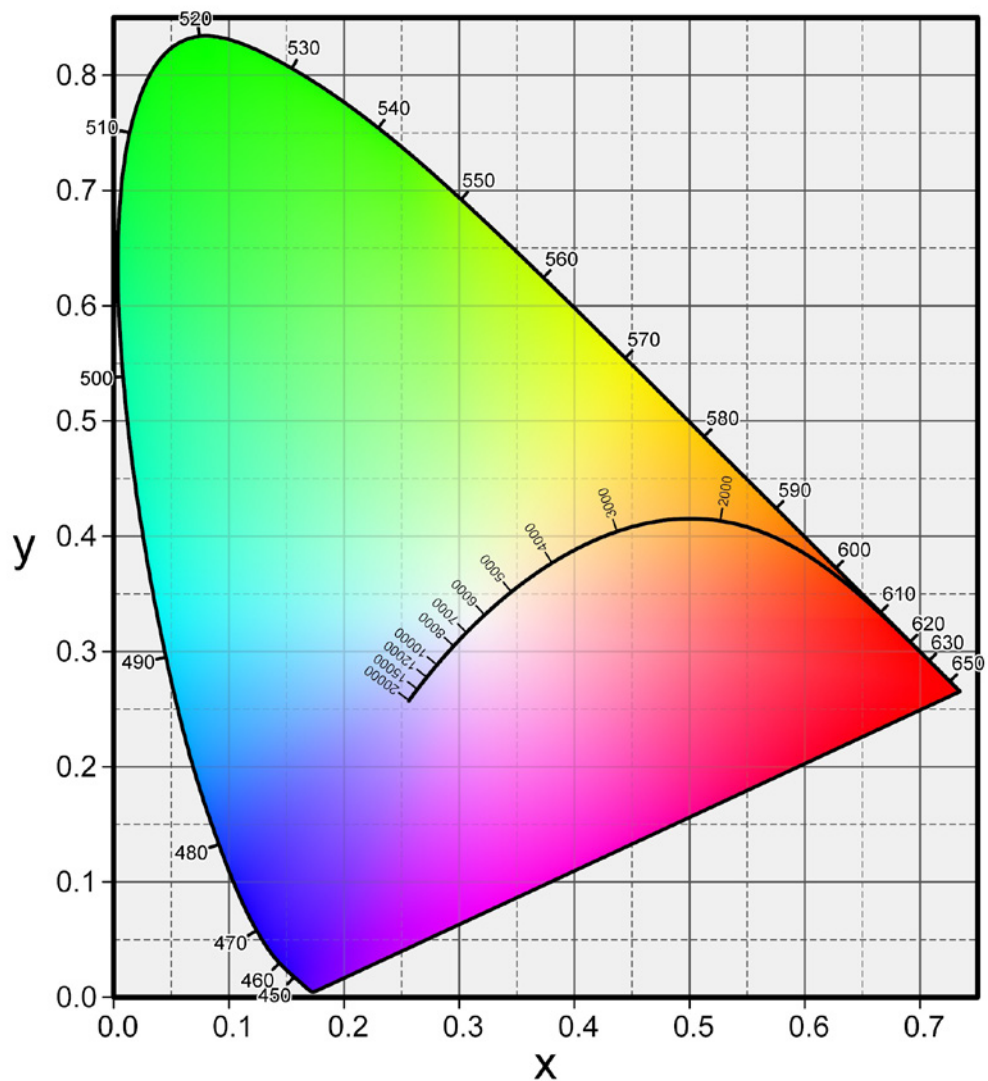
CHROMATICITY DIAGRAM

CIE 1931

From theory...

COLOR SPACE

The CIE 1931 color spaces are the first defined by the International Commission on Illumination (CIE) in 1931. The CIE XYZ color space was derived from a series of experiments done in the late 1920s by William David Wright and John Guild. Their experimental results were combined into the specification of the CIE RGB color space, from which the CIE XYZ color space was derived.



MACADAM ELLIPSES

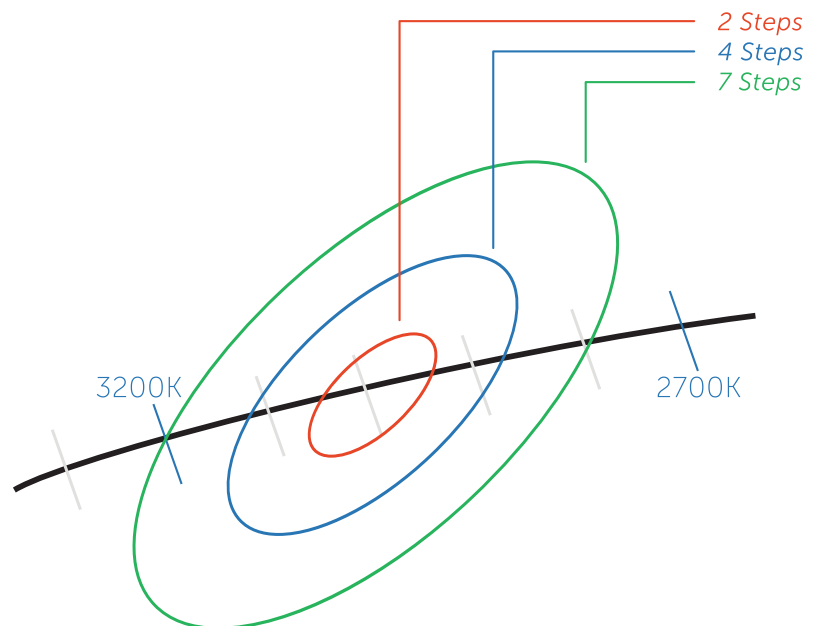
LED SELECTION

... to practice.

THE EXPERIMENT

In the early 1940's, the scientist David MacAdam tested the threshold sensibility of the eye to chromaticity variations. He tried to provide a guideline of how accurate the average people's colour perception is and their ability to distinguish between similar colours. The observer had to match a target colour against another colour of the same range and identify which one of these hues

corresponded to the reference colour. Each difference between the target colour and the sample colour detected as identical was plotted in the 1931 CIE chromaticity colour space as a point. Joining all these points, an ellipse comes out. Then the scientist asked each subject to repeat the experiment on 25 different target colours. As a result, he obtained 25 ellipses, the so called MacAdam Ellipses.



2 STEPS

To define acceptable tolerance in terms of deviation of Colour, LED manufacturers have adopted the MacAdam ellipse and SDCM (Standard Deviation of Colour Matching)

measurement of colour consistency. MacAdam Ellipse. The color variations comprised within the 3rd step of the MacAdam ellipse cannot be perceived by the human eye.

UNITS OF MEASURE OF LIGHT

CRI, LUX AND LUMEN

How a light source is able to respect the colour quality of the objects it lights up

CRI

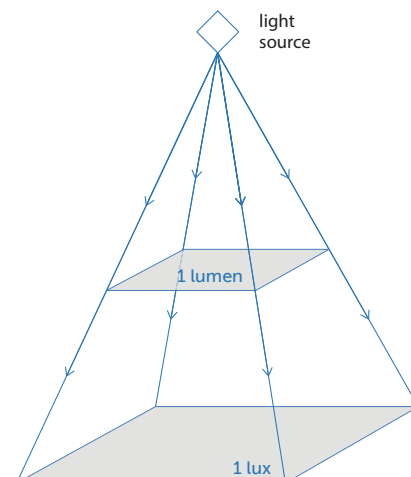
The Colour Rendering Index lets us understand how a light source is able to respect the colour quality of the objects it lights up. The Ra general colour rendering index, or simply Colour Rendering Index (CRI), tells us how a light source is able to reproduce the colour of an object illuminated by that source. The colour appearance of an object, that does not emit its own light, depends both on the way it reflects the light (that is, on which wavelengths are the most reflect-

ed), and on the light that illuminates it (that is, on the spectral composition of the light itself). Generally speaking, an index of 85-100% indicates an excellent colour rendering. The rendering is good from 70-85%, and fair with values from 50-70%. The norm UNI 10380 divide into 5 groups the possible values of the colour rendering index. This norm gives also indications about the value of CRI that has to be used according to the different environments to illuminate.

$CRI \geq 90$	Houses, museums, design studios, hospitals, medical offices, etc.
$80 \leq CRI < 90$	Offices, schools, stores, gyms, theatres, textile and colours factories, etc
$60 \leq CRI < 80$	Link spaces, corridors, stairs, elevators, gyms, service areas, etc
$40 \leq CRI < 60$	Industrial interiors, workshops, warehouses, depots, etc
$20 \leq CRI < 40$	Parkings, docks, yards, excavations, cargo areas, etc

LUX E LUMEN

The lux (symbol lx) is the SI unit of illuminance. It is equal to one lumen per square meter. The Lux and the Lumen are two different units, the lux measures the illuminance and the lumen measures the luminous flux. A flux of 1000 lumens, concentrated into an area of one square metre, lights up that square metre with an illuminance of 1000 lux. However, the same 1000 lumens, spread out over ten square metres, produces a dimmer illuminance of only 100 lux.



The EnabledLED Licensing Program for LED Luminaires and Retrofit Bulbs was launched by Philips in 2008. It covers over 200 inventions, which have resulted in more than 1,300 granted patents and over 250 pending patents applications. The Program has extensive geographical coverage.

These patents relate to basic LED controls through to system-level technologies, resulting from extensive Research & Development activities of Philips as well as the former Color Kinetics and TIR companies.

Futuro Luce achieved the registration in 2014 as one of the first companies in Italy.



IP RATING

STANDARD UNI EN60529

FIRST DIGIT		SECOND DIGIT	
Protection against the entry of solid bodies and contacts with live parts		Protection against the entry of water	
0	No protection envisaged	0	No protection envisaged
1	Protection against entry of solid bodies of diameter greater than 50 mm	1	Drops of water falling vertically must not cause harmful effects
2	Protection against entry of solid bodies of diameter greater than 12 mm	2	Drops of water falling vertically must not cause harmful effects when water falls up to 15° from the vertical
3	Protection against entry of solid bodies of diameter greater than 2,5 mm	3	Water falling like rain in a sloping direction at an angle less or equal to 60° must not cause harmful effects
4	Protection against entry of solid bodies of diameter greater than 1 mm	4	Water sprayed from any direction must not cause harmful effects
5	Protection against the entry of dust. The penetration is not completely prevented but it must not be able to impair the operation	5	Water sprayed through a nozzle from any direction must not cause harmful effects
6	Total protection against the entry of dust.	6	In case of flooding or strong jets of water, the water must not get inside the machine in a dangerous amount
		7	It must not be possible for water to get inside the machine in a dangerous amount when it is immersed in water at fixed condition of pressure and duration
		8	Suitable for staying permanently submerged in water

OUR PRODUCTS

IP20

Protection against the entry of solid bodies of diameter greater than 12 mm; no protection envisaged against water.

IP54

The penetration of the dust is not completely prevented but it must not be able to impair the operation; water sprayed from any direction must not cause harmful effects.

IP65

Total protection against the entry of solid bodies and dust; protection against the penetration of liquid like drops, vapors or jets of water.

IP67

Total protection against the entry of solid bodies, dust and the entry of liquid in immersion for 30 minutes at 1 m deep

IP68

Total protection against the entry of solid bodies, dust and the entry of liquid in permanent immersion at 1 m deep.



WATERPROOF
1 M / 3,28 FT



SUB1

SUB2

NOTES



DISCLAIMER

The technical descriptions in this catalogue represent the standards at the time of printing and have been prepared using the best of our knowledge. We take no responsibility for print errors and omissions. The information contained herein serves as article description and not guaranteed qualities according to general civil law, unless specifically stated. Pictures and sketches have only an in-

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EXPORT SALE CONDITIONS

1 GENERAL

The General Condition stated herein shall be an integral part of any quotation and order confirmation for the supply of goods and services issued by Futuro Luce S.r.l. .

2 OWNERSHIP RIGHTS AND CONFIDENTIALITY

Unless otherwise expressly agreed, Futuro Luce S.r.l. shall retain title to and possession of any models, patterns, tools, samples, technical drawings, sales documents and test equipment made or obtained for the performance of this order. All documents and tools thus exchanged are to be treated as confidential and cannot be spread unless previously authorised in writing by Futuro Luce S.r.l. .

3 SHIPPING DOCUMENTS INVOICING

Futuro Luce S.r.l. shipping document will mention: purchase order date and number, customer name, product code number, shipping date, the number of delivery items, the number of delivery packed pieces and any other available information as required by the Buyer in the order by the law. The invoices are titled to the Buyer and addressed to the accounting department of the same. They will state: date and number of the purchase order and the related packing list, the goods as listed in the shipping document, the name of the consignee and the place of destination, the payment condition and due date of the payment.

4 DELIVERY OF GOODS

Delivery of the goods is always considered Ex Works Brembate, received and accepted in its premises as mentioned in the purchase order (on Ex Works Factory basis). It is incumbent on the Buyer, unless agreed in writing to the contrary, to bear all costs (custom, duties, any rights) and risks relating to transport of the equipment sold, unless otherwise agreed.

5 TRANSPORTATION COST

The transportation cost has always to be considered excluded. Without precise instructions concerning the delivery terms, we reserve the rights to select the carrier, the cost and the routing, in the best interest of the Buyer, without taking on the responsibility. The equipment is therefore transported at the Buyer's risks and costs, though sold without charging transportation cost.

6 COMPLAINTS

Buyers shall submit all complaints, particularly those regarding the quality of the goods, to Futuro Luce S.r.l. in writing by registered mail without undue delay, in any event not later than 8 working days from discovery of such defects. Any goods return is subject to previous agreement and written acceptance by Futuro Luce S.r.l. , who will not anyway cover the transportation costs.

7 DELIVERY TIME

Led times are calculated by Futuro Luce S.r.l. at its sole discretion, it will be mentioned in the order confirmation and it will start from the order receiving. In the case that the estimated delivery times does not meet the Buyer's requirement, the Buyer is invited to settle in writing a reasonable deadline for final delivery. The new delivery date will be reached according to Futuro Luce S.r.l. production capacity and will be confirmed in writing through a revised order confirmation.

8 PENALTIES FOR LATE DELIVERY

Any penalty for late delivery must be previously agreed between the parties. As a consequence, Futuro Luce S.r.l. will not accept any change for late delivery, unless previously and reciprocally agreed in writing.

9 WARRANTY FOR DEFECTS AND GOOD FUNCTIONING.

Futuro Luce S.r.l. guarantees the good quality and construction of its field-li, in accordance with current standards for a period of 24 months from the delivery date. After written agreement the period could be extent to 36 months. In case of complaint for failure or defects in materials or workmanship, Futuro Luce S.r.l. will, after written agreement with the customer, repair or replacement free franc destiny of goods recognized mismatch within the guarantee period. However, the latter should not have suffered any tampering arising from misuse or broken as a result of loading / unloading goods. In addition, Futuro Luce S.r.l. will not answer the costs of necessary goods replaced, nor cost complementary or accessories.

10 MINIMUM QUANTITIES

The minimum acceptable amount for each purchase order is 250,00€ net, for lower amounts we charge a fix fee of 50€ for order processing and managing cost. Anyhow Futuro Luce S.r.l. reserve the right to not process orders whit lower amount.

11 PAYMENTS

The payment terms must be agreed during the bidding stage. Any payment must be addressed to Futuro Luce S.r.l. within the due date. The interests on arrears calculated as per the Italian law D.Lgs. 9 October 2002 n.231 will be added to all sums not paid by the settlement date until the day of payment.

12 COMPETENT COURT

Any dispute that may arise between Futuro Luce S.r.l. and the Buyer for the interpretation and execution of domestic purchase orders shall be governed in accordance with the laws of Italy. Buyer hereby consents and submits to the jurisdiction of the court of Bergamo for adjudication of any question of law or fact arising hereunder.

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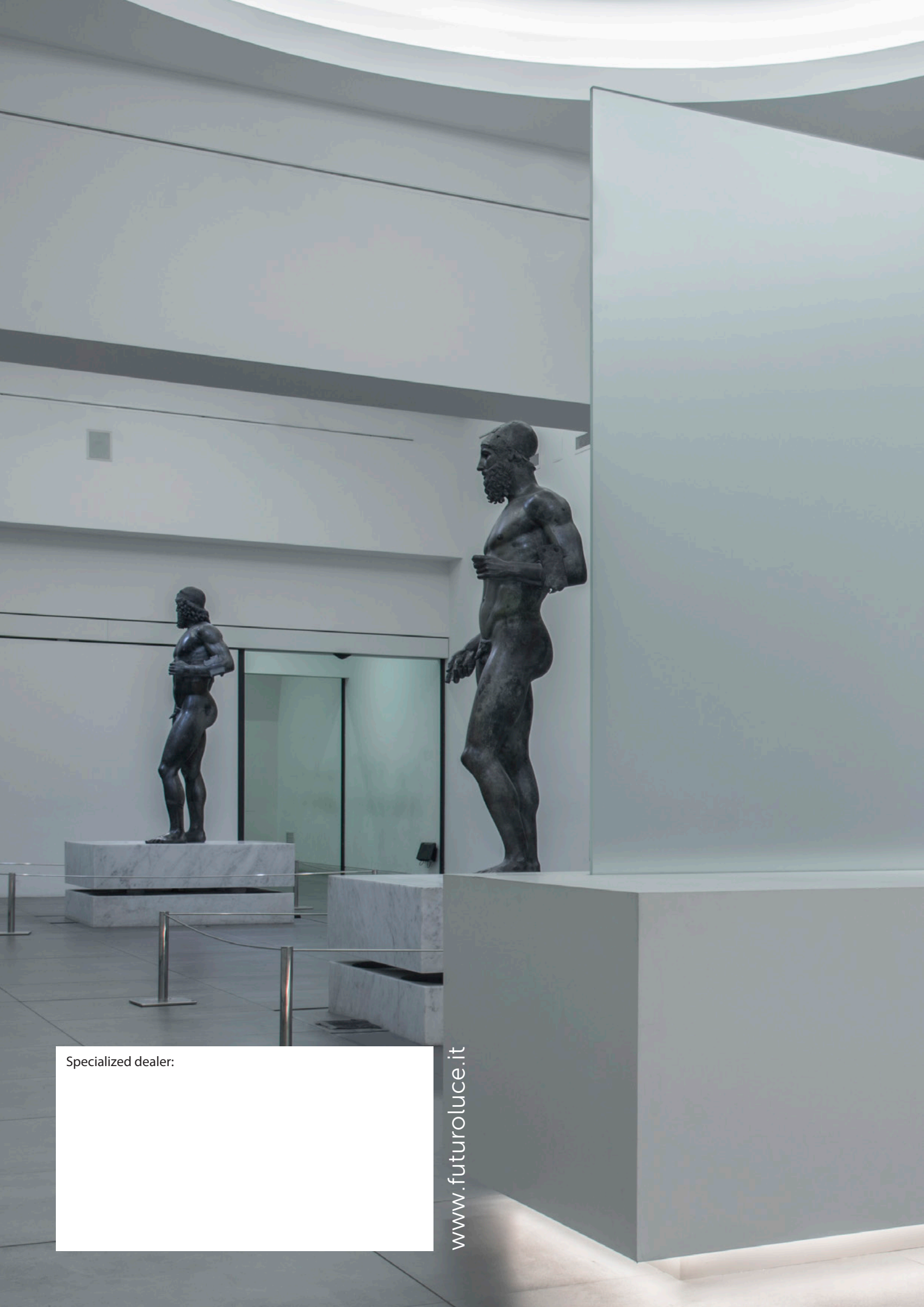
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