

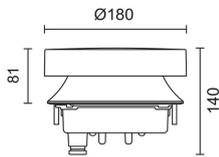
Last information update: February 2025

Product configuration: EN99.15+EP13.15+B513.00

EN99.15: Ø180mm optical assembly - Neutral White LED - 220÷240Vac DALI - Super Comfort 360° optic - 13.1W 714lm - 4000K - Grey

EP13.15: Post for iWay optical compartment Ø170 mm - h = 169 mm - Grey

B513.00: Counter-plate with anchor bolts - Indeterminate

**Product code**

EN99.15: Ø180mm optical assembly - Neutral White LED - 220÷240Vac DALI - Super Comfort 360° optic - 13.1W 714lm - 4000K - Grey

Technical description

Outdoor, ground or pavement-mounted direct light luminaire, designed to use LED lamps, with a 360° symmetrical optic. The complete product consists of an optical assembly and a cylindrical post to be ordered separately. The optical assembly is made up of various parts, including a top cover made of painted aluminium; a PMMA flux enhancer; a transparent polycarbonate emission lens with an extruded internal bracket and an LED circuit fixed in radial mode; a black-painted, die-cast aluminium cone; a die-cast aluminium lower box for housing the control gear; and silicone seals to guarantee a watertight seal between the top cover, the lens and the cone. The external aluminium parts have been subjected to a multi-step, pre-treatment process, in which the main phases are degreasing, fluorozirconation (a protective surface film) and sealing (with a nano-structured silane layer). The following painting stage consists of a primer and a liquid acrylic paint, cured at 150°C, with a high level of weather and UV ray resistance. At the bottom, the optical assembly is completed by a nickel-plated brass cable clamp and an H07RN-F 4x1mm rubber outlet cable L=1700 mm. The electrical connection requires IP or BOX IP connectors that need to be ordered separately. All external screws used are made of AISI 303 (A1) stainless steel.

Installation

The optical assembly is installed on the lower cylindrical post using a bayonet fitting and secured with two special Torx type screws.

Colour

Grey (15)

Weight (Kg)

1.9

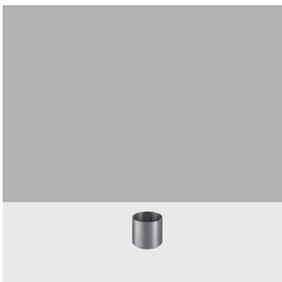
Mounting

ground anchored

Wiring

Electronic control gear unit DALI Vin: 170÷264Vac 164÷264Vdc, 50/60Hz. To adjust the light flow, the control gear can be programmed using a special programming interface (see catalogue) and the output cable from the optical assembly. The control gear is supplied in ON-Off mode and can be transformed into Midnight mode using the interface mentioned above. The DALI driver is compatible with Telemangement systems. An active control system modifies the current intensity to preserve the lifetime of the LEDs under any external ambient temperature conditions.

Complies with EN60598-1 and pertinent regulations

**Accessory code**

EP13.15: Post for iWay optical compartment Ø170 mm - h = 169 mm - Grey

Technical description

The post is cylindrical and made of extruded aluminium. It houses the three stainless steel rods fixed to the base, which give the product such a high level of impact resistance. The post is anchored to the ground by a fixing base made of corrosion-resistant low copper content die-cast aluminium alloy. The base and post are subjected to a multi-step, pre-treatment process, in which the main phases are degreasing, fluorozirconation (a protective surface film) and sealing (with a nano-structured silane layer). The following painting stage consists of a primer and a liquid acrylic paint, cured at 150°C, with a high level of weather and UV ray resistance. All external screws used are made of A2 stainless steel.

Installation

The post can be fastened to the ground/pavement using screw anchors (on pavements) or via a fixing base and plate with anchors that are surface treated with passivation for added protection against corrosion (to be ordered separately).

Colour

Grey (15)

Weight (Kg)

1.6

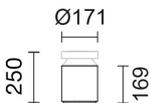
Mounting

ground surface|ground anchored

Notes

Cannot be used in combination with the codes: X478, X529, BZN7

Complies with EN60598-1 and pertinent regulations





Accessory code

B513.00: Counter-plate with anchor bolts - Indeterminate

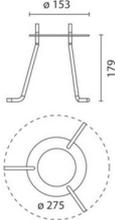
Technical description

Fixing plate with anchor bolts

Colour
Indeterminate (00)

Weight (Kg)
0.5

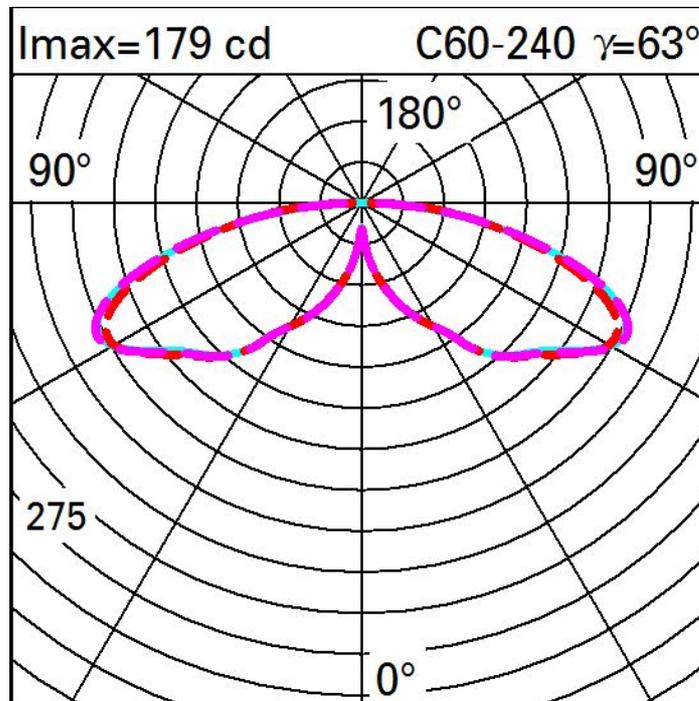
Complies with EN60598-1 and pertinent regulations



Technical data

| | | | |
|--|------|---------------------------------------|--------------------------------|
| Im system: | 714 | MacAdam Step: | 3 |
| W system: | 13.1 | Life Time LED 1: | 100,000h - L80 - B10 (Ta 25°C) |
| Im source: | 2100 | Life Time LED 2: | 100,000h - L80 - B10 (Ta 40°C) |
| W source: | 11 | Lamp code: | LED |
| Luminous efficiency (Im/W, real value): | 54.5 | Number of lamps for optical assembly: | 1 |
| Im in emergency mode: | - | ZVEI Code: | LED |
| Total light flux at or above an angle of 90° [Lm]: | 7 | Number of optical assemblies: | 1 |
| Light Output Ratio (L.O.R.) [%]: | 34 | Intervallo temperatura ambiente: | from -30°C to 50°C. |
| CRI (minimum): | 80 | Control: | DALI-2 |
| Colour temperature [K]: | 4000 | | |

Polar



Isolux

