

Last information update: May 2024

Product configuration: P545

P545: Pole-mounted system - Small body optical assembly - Warm White - ST1.2 street optic - DALI-ø60mm



Product code

P545: Pole-mounted system - Small body optical assembly - Warm White - ST1.2 street optic - DALI-ø60mm **Attention! Code no longer in production**

Technical description

Outdoor luminaire with a direct light, wide street optic, designed to use LED lamps. The optical assembly and the pole attachment system are made of EN1706AC 46100LF aluminium alloy, 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 painting stage consists of a primer and an acrylic paint, cured at 150 °C, with a high level of weather and UV ray resistance. Option of also adjusting the inclination in relation to the road surface by +20°/-5° (in 5° steps) for a pole-top installation and +5°/-20° (in 5° steps) for a lateral installation. 5 mm thick tempered sodium-calcium closure glass. Screw-free opening using extruded anodised aluminium. Upper door sealing system. The high IP rating is guaranteed by the silicone gasket placed between the two elements. Complete with circuit having Warm White monochrome LEDs and multilayer lenses with polymer optics. LEDs can be substituted in groups of 6. DALI electronic control gear. Control gear connected with quick-coupling connectors. Driver with automatic internal temperature control system. Tool free pull-out control gear. The light flow emitted in the upper hemisphere of the System in the horizontal position is null (in conformity with the strictest standards for the prevention of light pollution). All external screws are made of stainless steel.

Installation

The floodlight can be installed with pole-top or lateral mounting on tapered poles, using a die-cast aluminium pole-top for pole end diameters of ø 42/60mm.

Colour

Grey (15)

Mounting

wall arm|pole arm|wall surface|pole-top side entry|pole-top

Wiring

The attachment guarantees the completely safe passage of power cables, avoiding piercing. The product is powered by cables from a pre-wiring box with a 5-pin terminal board. Product perfect watertightness at the power cable entry point is guaranteed by the PG 16mm cable clamp made of thermoplastic material (for cables ø 7-14 mm). Surge protection up to 10KV

Notes

An optional version has a "Middle of the Night" automatic dimming profile, Bi-energy and flow regulator.

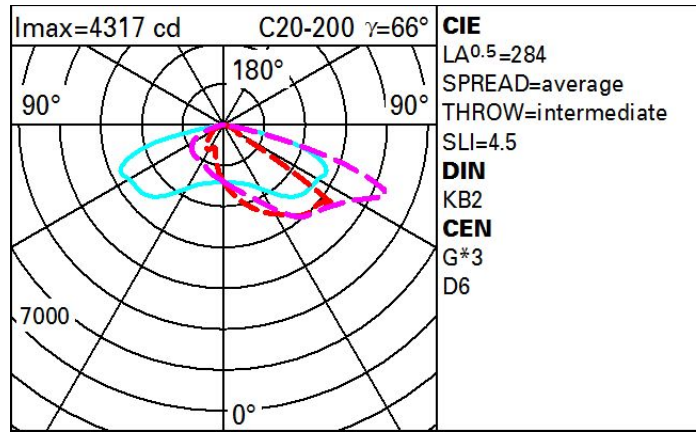
Complies with EN60598-1 and pertinent regulations



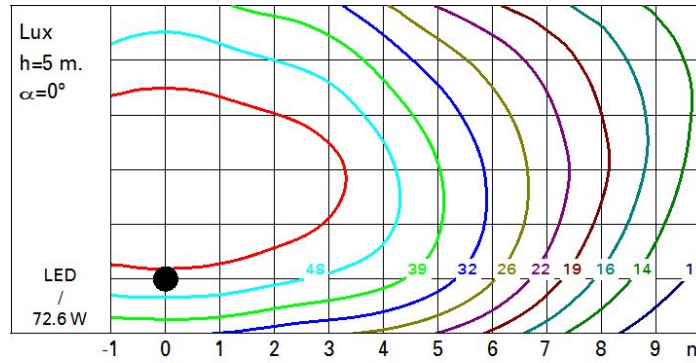
Technical data

Im system:	7170	MacAdam Step:	5
W system:	72.6	Life Time LED 1:	100,000h - L90 - B10 (Ta 25°C)
Im source:	-	Voltage [Vin]:	230
W source:	-	Lamp code:	LED
Luminous efficiency (Im/W, real value):	98.8	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]:	0	Number of optical assemblies:	1
Light Output Ratio (L.O.R.) [%]:	100	Intervallo temperatura ambiente:	from -40°C to 50°C.
CRI (minimum):	70	Control:	DALI
Colour temperature [K]:	3000		

Polar



Isolux



Utilisation factors

