

Last information update: May 2024

**Product configuration: P557**

P557: Pole-mounted system - Small body optical assembly - Warm White - ST1 street optic - DALI-ø76mm



**Product code**

P557: Pole-mounted system - Small body optical assembly - Warm White - ST1 street optic - DALI-ø76mm **Attention! Code no longer in production**

**Technical description**

Outdoor luminaire with a direct light, narrow 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 featuring 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 76/60mm.

**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.

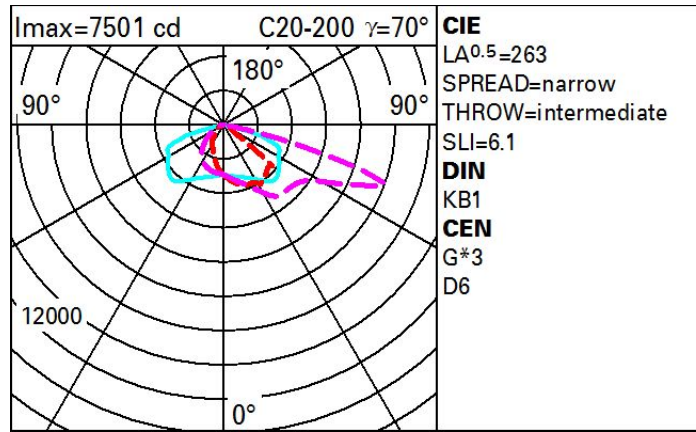
Complies with EN60598-1 and pertinent regulations



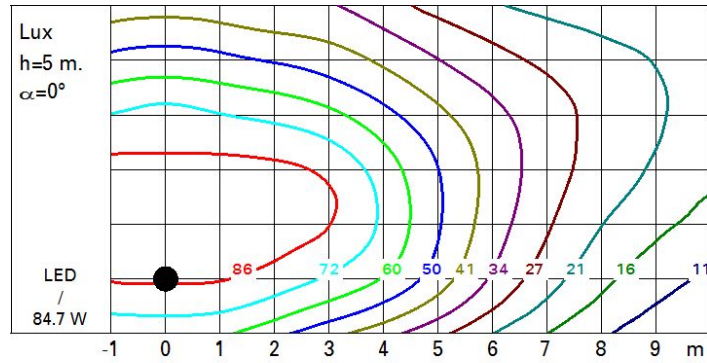
**Technical data**

|  |       |                                       |                                |
|--|-------|---------------------------------------|--------------------------------|
| Im system:   | 8620  | MacAdam Step:                         | 5                              |
| W system:  | 84.7  | 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):            | 101.8 | 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

