

Last information update: April 2025

Product configuration: 6509(Adapter-01-04-15-F5-H1)

6509: Pole-mounted system - SMC optic - Warm White - Zhaga Up/Down

**Product code**

6509: Pole-mounted system - SMC optic - Warm White - Zhaga Up/Down

Technical description

Outdoor luminaire with direct light street optic. The optical assembly is 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 a textured acrylic paint, cured at 150 °C, with a high level of weather and UV ray resistance. The 5 mm thick, sodium-calcium closing glass for both optical assemblies is fitted to the product via 3 captive screws on each side. The high IP rating is guaranteed by the silicone gasket placed between the two elements. Product fitted with a double multi-pole Zhaga 4 PIN Up/Down socket. Complete with Warm White monochrome LED circuit. The wiring and optical assembly can be opened with everyday tools. The light flow emitted in the upper hemisphere of the system in the horizontal position is null (when used with a black finish pole-mounting). Product pre-wired with a 1.1m long outlet cable. The IP68 connector can be purchased separately as an accessory. All external screws are made of stainless steel.

Installation

The optical assembly can be installed using two pole-tops that can be ordered separately as an accessory: one for Ø 60mm and one for Ø76mm. It can be installed on Ø102mm pole-tops using a reducer that can be purchased as an accessory.

Colour

White (01) | Black (04) | Grey (15) | Rust Brown (F5) | Deep Grey (H1)

Weight (Kg)

6.89

Mounting

pole-top

Wiring

Connection to be made with an IP68 connector, which can be purchased separately.

Complies with EN60598-1 and pertinent regulations

**Technical data**

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| Im system: | 3410.0 | Life Time LED 2: | 100,000h - L80 - B10 (Ta 25C) |
| W system: | 26.8 | Life Time LED 3: | 100,000h - L90 - B10 (Ta 40C) |
| Im source: | 3410 | Life Time LED 4: | 100,000h - L80 - B10 (Ta 40C) |
| W source: | 23 | Lamp code: | LED |
| Luminous efficiency (Im/W, real value): | 127.24 | 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]: | 6.82 | Number of optical assemblies: | 1 |
| Light Output Ratio (L.O.R.) [%]: | 100 | Intervallo temperatura ambiente: | from -40°C to 50°C. |
| Beam angle [°]: | 150° / 142° | Power factor: | See installation instructions |
| CRI: | 70 | Inrush current: | 21 A / 300 µs |
| Colour temperature [K]: | 3000 | Maximum number of luminaires of this type per miniature circuit breaker: | B10A: 13 luminaires B16A: 21 luminaires C10A: 21 luminaires C16A: 35 luminaires |
| MacAdam Step: | 3 | Minimum dimming %: | 10 |
| Life Time LED 1: | 100,000h - L90 - B10 (Ta 25C) | Overvoltage protection: | 0kV Common mode & 0kV Differential mode |