

Last information update: April 2024

Product configuration: E870

E870: Pole-mounted system street optic.

**Product code**E870: Pole-mounted system street optic. **Attention! Code no longer in production****Technical description**

Outdoor luminaire with a street optic (ST1.2), designed to use LED lamps. The optical assembly and the pole attachment system are made of EN1706AC 46100LF aluminium alloy and 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 liquid acrylic paint, cured at 150 °C, with a high level of weather and UV ray resistance. Diffusor made of shockproof, UV-stabilised injection moulded polycarbonate. Complete with circuit having Warm White monochrome LEDs and polymer optic multilayer lenses. Changeable driver and LEDs. Driver with Midnight profile with automatic internal temperature control system. All external screws are made of stainless steel.

Installation

The luminaire can be installed with a pole-top mounting on poles with \varnothing 60mm and 76mm end part using X102 and X126 accessories. Secured to the pole by two bolts.

Colour

Grey (15)

Weight (Kg)

3.88

Mounting

pole-top

Wiring

The product is supplied wired and with an outlet cable

Notes

Overvoltage protection: 9KV Common mode, 6KV differenzial mode

Complies with EN60598-1 and pertinent regulations

**Technical data**

Im system:	2890.0	MacAdam Step:	5
W system:	31.3	Life Time LED 1:	100,000h - L90 - B10 (Ta 25C)
Im source:	2890	Life Time LED 2:	100,000h - L80 - B10 (Ta 25C)
W source:	27	Life Time LED 3:	100,000h - L90 - B10 (Ta 40C)
Luminous efficiency (Im/W, real value):	92.33	Life Time LED 4:	100,000h - L80 - B10 (Ta 40C)
Im in emergency mode:	-	Lamp code:	LED
Total light flux at or above an angle of 90° [Lm]:	22.83	Number of lamps for optical assembly:	1
Light Output Ratio (L.O.R.) [%]:	100	ZVEI Code:	LED
Beam angle [°]:	111° / 71°	Number of optical assemblies:	1
CRI:	70	Intervallo temperatura ambiente:	from -40°C to 50°C.
Colour temperature [K]:	3000	Control:	Middle of the night