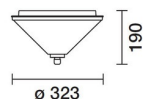


Last information update: April 2024

Product configuration: EP31

EP31: Pole-mounted system street optic

**Product code**

EP31: Pole-mounted system street optic

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. Complete with circuit featuring Neutral White monochrome LEDs and polymer optic multilayer lenses. Inside there is an anti-reflection film and a cover to stop light pollution. Changeable driver and LEDs. DALI driver with automatic internal temperature control system. All external screws are made of stainless steel.

Installation

The spotlight 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

White (01) | Black (04) | Rust Brown (F5)

Weight (Kg)

4

Mounting

pole-top

Wiring

The product is supplied wired and with an outlet cable.

Notes

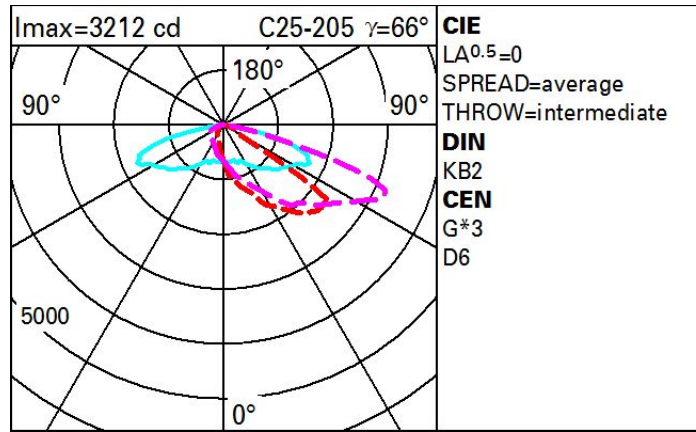
Overvoltage protection: 9KV Common Mode, 6KV Differential Mode.

Complies with EN60598-1 and pertinent regulations

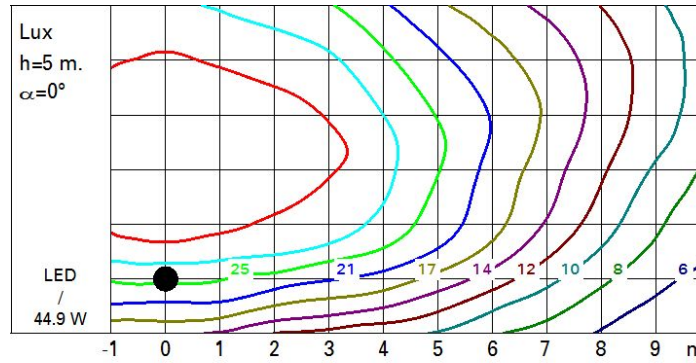
**Technical data**

Im system:	4590	Voltage [Vin]:	230
W system:	44.9	Lamp code:	LED
Im source:	-	Number of lamps for optical assembly:	1
W source:	-	ZVEI Code:	LED
Luminous efficiency (Im/W, real value):	102.2	Number of optical assemblies:	1
Im in emergency mode:	-	Intervall temperatura ambiente:	from -40°C to 50°C.
Total light flux at or above an angle of 90° [Lm]:	30	Lifetime of product at ambient operating temperature:	≥ 80.000h Ta=40°C
Light Output Ratio (L.O.R.) [%]:	100	Power factor:	See installation instructions
CRI (minimum):	70	Inrush current:	62 A / 202 µs
Colour temperature [K]:	4000	Maximum number of luminaires of this type per miniature circuit breaker:	B10A: 6 luminaires B16A: 10 luminaires C10A: 10 luminaires C16A: 17 luminaires
MacAdam Step:	3	Minimum dimming %:	10
Life Time LED 1:	100,000h - L90 - B10 (Ta 25°C)	Overvoltage protection:	10kV Common mode & 6kV Differential mode
Life Time LED 2:	55,000h - L90 - B10 (Ta 40°C)	Dimming mode:	CCR
Life Time LED 3:	100,000h - L80 - B10 (Ta 40°C)	Control:	DALI

Polar



Isolux



Utilisation factors

