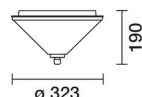


Last information update: November 2024

**Product configuration: E820**

E820: Pole-mounted system street optic.

**Product code**

E820: Pole-mounted system street optic.

**Technical description**

Outdoor luminaire with a street optic (ST0.5), 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 having Neutral White monochrome LEDs and polymer optic multilayer lenses. Changeable driver and LEDs. DALI driver 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**

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

**Weight (Kg)**

3

**Mounting**

pole-top

**Wiring**

The product is supplied wired and with an outlet cable.

**Notes**

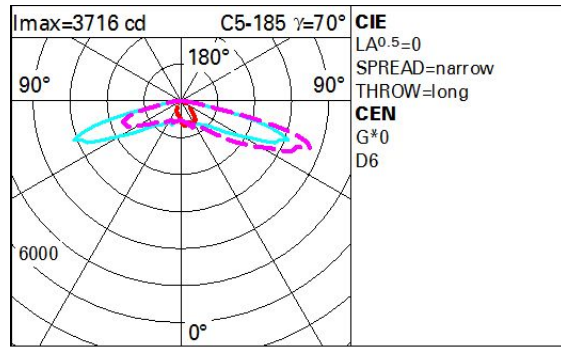
Overvoltage protection: 9KV Common mode, 6KV differenzial mode

Complies with EN60598-1 and pertinent regulations

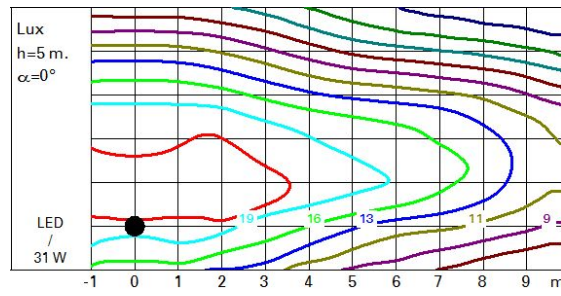
**Technical data**

Im system:	2890	Lamp code:	LED
W system:	31	Number of lamps for optical assembly:	1
Im source:	-	ZVEI Code:	LED
W source:	-	Number of optical assemblies:	1
Luminous efficiency (Im/W, real value):	93.2	Intervallo temperatura ambiente:	from -40°C to 50°C.
Im in emergency mode:	-	Lifetime of product at ambient operating temperature:	≥ 80.000h Ta=40°C
Total light flux at or above an angle of 90° [Lm]:	32	Power factor:	See installation instructions
Light Output Ratio (L.O.R.) [%]:	100	Inrush current:	31 A / 186 $\mu$ s
CRI (minimum):	70	Maximum number of luminaires of this type per miniature circuit breaker:	B10A: 18 luminaires B16A: 30 luminaires C10A: 31 luminaires C16A: 51 luminaires
Colour temperature [K]:	4000	Minimum dimming %:	10
MacAdam Step:	3	Overvoltage protection:	10kV Common mode & 6kV Differential mode
Life Time LED 1:	100,000h - L90 - B10 (Ta 25°C)	Dimming mode:	CCR
Life Time LED 2:	100,000h - L90 - B10 (Ta 40°C)	Control:	DALI
Voltage [Vin]:	230		

# Polar



# Isolux



# Utilisation factors

