

Last information update: May 2018

**Pole-mounted system street optic.**

**Product code**  
E830

**Technical description**

Outdoor luminaire with a street optic (ST1.2), designed to use LED lamps. Version with cut-off that eliminates skyward flux dispersion. 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 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 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.

**Dimension (mm)**  
Ø500x190

**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

**Product configuration: E830****Product characteristics**

Total lighting output [Lm]: 2440  
Total power [W]: 31.3  
Luminous efficacy [Lm/W]: 78  
Life Time: 100,000h - L90 - B10 (Ta 25°C)  
Life Time: 100,000h - L90 - B10 (Ta 40°C)  
Ambient temperature range: from -20°C to +35°C. (\*)

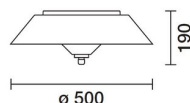
\* Preliminary data

Total luminous flux at or above an angle of 90° [Lm]: 0  
Emergency luminous flux [Lm]: /  
Voltage [V]: -  
Life Time: 100,000h - L80 - B10 (Ta 25°C)  
Life Time: 100,000h - L80 - B10 (Ta 40°C)  
Number of optical assemblies: 1

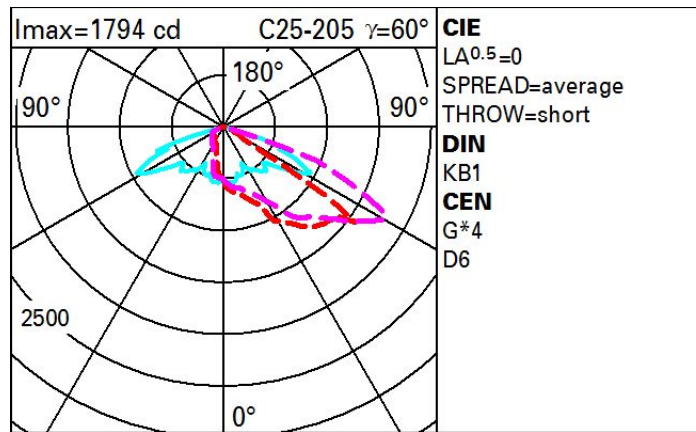
**Optical assembly Characteristics Type 1**

Light Output Ratio (L.O.R.) [%]: 100  
Lamp code: LED  
ZVEI Code: LED  
Nominal power [W]: /  
Nominal luminous [Lm]: /  
Lamp maximum intensity [cd]: /  
Beam angle [°]: /

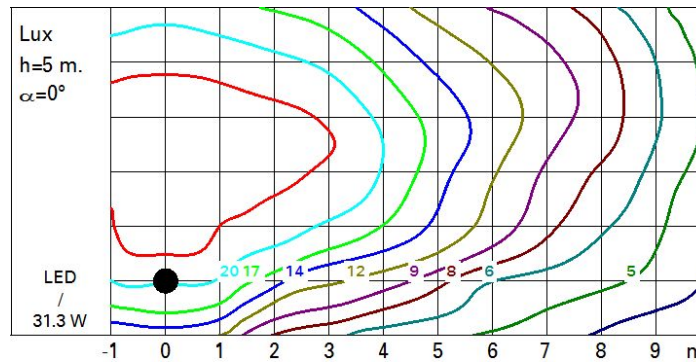
Number of lamps for optical assembly: 1  
Socket: /  
Ballast losses [W]: 4.3  
Colour temperature [K]: 4000  
CRI: 70  
Wavelength [Nm]: /  
MacAdam Step: 5



# Polar



# Isolux



# Utilisation factors

