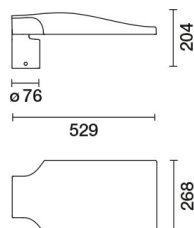


Last information update: May 2018

**Pole-mounted system – ST1 optic - Neutral White - MidNight- ø42-60-76mm****Product code**

E255

Technical description

Outdoor luminaire with direct light street optic, 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 textured liquid acrylic paint, cured at 150 °C, with a high level of weather and UV ray resistance. Option of adjusting the inclination in relation to the road surface by +20°/-5° (in 5° steps) for a pole-top installation and +5°/20° (in 5° steps) for a lateral installation. 5 mm thick tempered sodium-calcium closure glass fixed to product with 4 screws. The high IP rating is guaranteed by the silicone gasket placed between the two elements. Complete with circuit fitted with monochrome LEDs and polymer optic multilayer lenses. Electronic control gear with 100%-70% Middle of the Night profile. Driver with automatic internal temperature control system. Overvoltage protection: 10KV Common Mode and 6KV Differential Mode. Wiring and optic compartment can be opened using everyday tools. The light flow emitted in the upper hemisphere of the system in the horizontal position is null (in conformity with the strictest standards for the prevention of light pollution). All external screws are made of stainless steel.

Installation

The floodlight can be installed with a pole-top or lateral mounting using a die-cast aluminium pole-top for ø 42/60/76mm diameter pole ends.

Dimension (mm)

529x268x204

Colour

Grey (15)

Weight (Kg)

6.29

Mounting

wall arm|pole-top

Complies with EN60598-1 and pertinent regulations

**Product configuration: E255****Product characteristics**

Total lighting output [Lm]: 8600
Total power [W]: 71.3
Luminous efficacy [Lm/W]: 120.6
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. (*)

Total luminous flux at or above an angle of 90° [Lm]: 0
Emergency luminous flux [Lm]: /
Voltage [V]: 230
Life Time: 100,000h - L80 - B10 (Ta 25°C)
Life Time: 100,000h - L80 - B10 (Ta 40°C)
Number of optical assemblies: 1

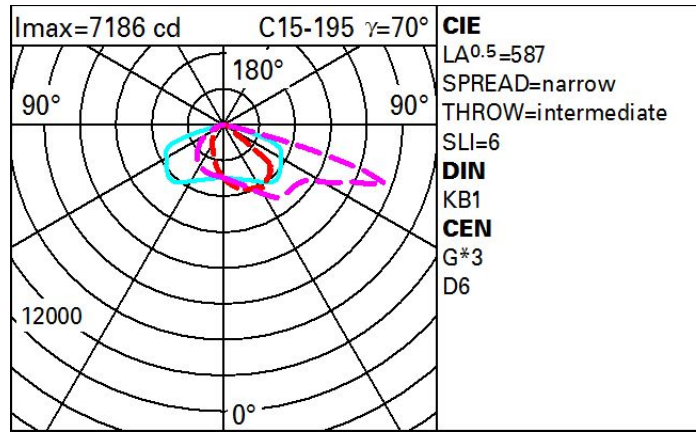
* Preliminary data

Optical assembly Characteristics Type 1

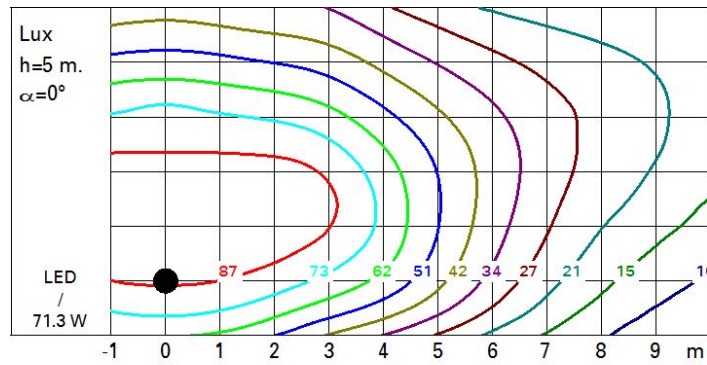
Light Output Ratio (L.O.R.) [%]: 100
Lamp code: LED
ZVEI Code: LED
Nominal power [W]: /
Nominal luminous [Lm]: /
Lamp maximum intensity [cd]: /
Beam angle [°]: /

Number of lamps for optical assembly: 1
Socket: /
Ballast losses [W]: 6.3
Colour temperature [K]: 4000
CRI: 70
Wavelength [Nm]: /
MacAdam Step: 5

Polar



Isolux



Utilisation factors

