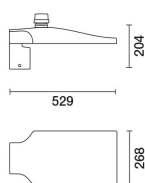


Last information update: October 2019

**Pole-mounted system – ST1 optic - Warm White - DALI - ø 46-60-76mm - NEMA****Product code**

EH83

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 extra-clear sodium-calcium closure glass fastened to the product with 4 screws. The high IP rating is guaranteed by the silicone gasket placed between the two elements. Complete with circuit featuring monochrome LEDs and polymer optic multilayer lenses. Product equipped with NEMA 7-PIN multi-pole socket, including IP65 cap. DALI electronic control gear. Driver with automatic internal temperature control system. Overvoltage protection: 10KV Common Mode and 6KV Differential Mode. Wiring and optical compartment can be opened with common 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 46/60/76mm diameter ends.

Colour

Grey (15)

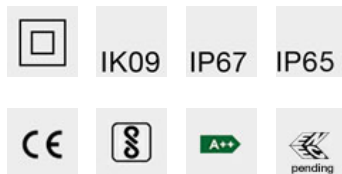
Weight (Kg)

6.1

Mounting

wall arm|pole|top bottom entry

Complies with EN60598-1 and pertinent regulations

**Product configuration: EH83****Product characteristics**

Total lighting output [Lm]: 4110
Total power [W]: 35.8
Luminous efficacy [Lm/W]: 114.8
Life Time: 100,000h - L90 - B10 (Ta 25°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 - L90 - B10 (Ta 40°C)
Number of optical assemblies: 1

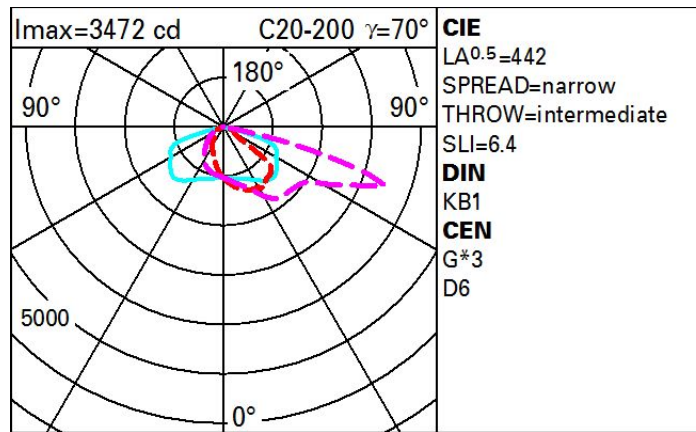
Optical assembly Characteristics Type 1

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 [°]: /

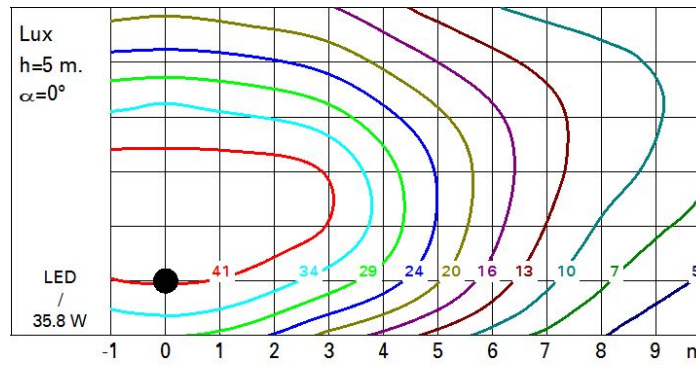
Number of lamps for optical assembly: 1
Socket: /
Ballast losses [W]: 3.8
Colour temperature [K]: 3000
CRI: 70
Wavelength [Nm]: /
MacAdam Step: 5

* Preliminary data

Polar



Isolux



Utilisation factors

