

Last information update: August 2025

Product configuration: E299.15

E299.15: Pole-mounted system – ST1 optic - Neutral White - ø46-60-76mm - 53.2W 8700lm - 4000K - Grey

**Product code**

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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 lenses. Driver with automatic internal temperature control system. The wiring and optical compartment can be opened with everyday tools or tool-free devices. The luminous flux 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 spotlight can be installed with a pole-top or lateral mounting.

Colour

Grey (15)

Weight (Kg)

6.05

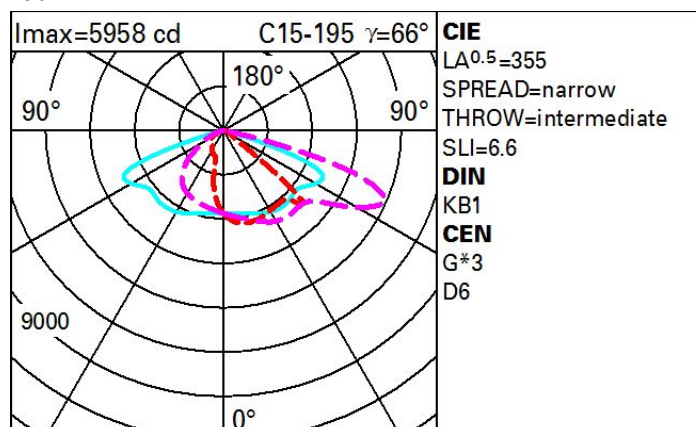
Mounting

wall arm/pole-top

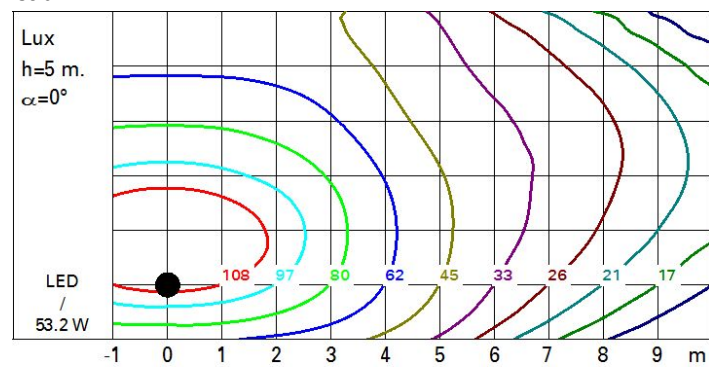
Complies with EN60598-1 and pertinent regulations

**Technical data**

Im system:	8700	Life Time LED 2:	100,000h - L90 - B10 (Ta 40°C)
W system:	53.2	Voltage [Vin]:	230
Im source:	-	Lamp code:	LED
W source:	-	Number of lamps for optical assembly:	1
Luminous efficiency (Im/W, real value):	163.5	ZVEI Code:	LED
Im in emergency mode:	-	Number of optical assemblies:	1
Total light flux at or above an angle of 90° [Lm]:	0	Intervallo temperatura ambiente:	from -40°C to 50°C.
Light Output Ratio (L.O.R.) [%]:	100	Power factor:	See installation instructions
CRI (minimum):	70	Inrush current:	41.6 A / - µs
Rf (Colour Fidelity Index):	76	Maximum number of luminaires of this type per miniature circuit breaker:	B10A: 6 luminaires B16A: 10 luminaires C10A: 10 luminaires C16A: 17 luminaires
Rg (Gamut Index):	91	Minimum dimming %:	5
Colour temperature [K]:	4000	Overvoltage protection:	10kV Common mode & 6kV Differential mode
MacAdam Step:	3	Control:	Midnight preset/DALI NFC
Life Time LED 1:	100,000h - L90 - B10 (Ta 25°C)		

Polar

Isolux



Utilisation factors

