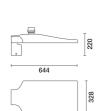# Street

Design iGuzzini	iGuzzini

Last information update: February 2025

Product configuration: EW86.15

EW86.15: Pole-mounted system - ST1 optic - Warm White - ø 46-60-76mm - NEMA Up - 127.4W 19140lm - 3000K - Grey

Product code

EW86.15: Pole-mounted system - ST1 optic - Warm White - ø 46-60-76mm - NEMA Up - 127.4W 19140lm - 3000K - Grey

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. Product fitted with a multi-pole Nema 7 Pin socket. 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.

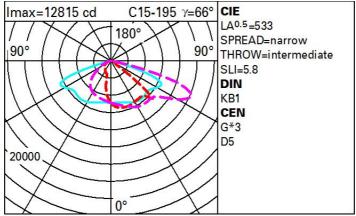| Colour	Weight (Kg)
Grey (15)	9.9

Mounting

wall arm|poletop bottom entry

Notes

In the event of installations on insulated supports (like fibreglass poles) it is mandatory (or strongly recommended) to use the accessory code X899 to protect the luminaire from eventual faults due to electrostatic charges.

Complies with EN60598-1 and pertinent regulations

IK09   IP67   IP66   CE   ⟁₀₃   §   EAC   QCERT   BUREAU VERITAS LCA

Technical data

lm system:	19140	Life Time LED 1:	100,000h - L90 - B10 (Ta 25°C)
W system:	127.4	Voltage [Vin]:	230
lm source:	-	Lamp code:	LED
W source:	-	Number of lamps for optical assembly:	1
Luminous efficiency (lm/W, real value):	150.2		
		ZVEI Code:	LED
lm 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 35°C.
Light Output Ratio (L.O.R.) [%]:	100		
		Power factor:	See installation instructions
CRI (minimum):	70	Inrush current:	80 A / 250 µs
Colour temperature [K]:	3000	Minimum dimming %:	1
MacAdam Step:	3	Overvoltage protection:	10kV Common mode & 6kV Differential mode

Polar

Imax=12815 cd   C15-195 γ=66°

CIE
LA$^{0.5}$=533
SPREAD=narrow
THROW=intermediate
SLI=5.8
DIN
KB1
CEN
G*3
D5

Isolux

Lux
h=5 m.
α=0°

LED
/
127.4 W

233 209 174 135 99 72 56 45 36

-1 0 1 2 3 4 5 6 7 8 9 m

Utilisation factors

RS ——— KS - - - - -

η
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1

L/H 1 2 3 4