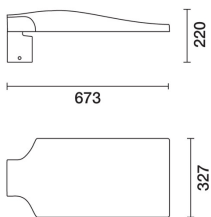


Last information update: May 2024

**Product configuration: EF90**

EF90: Pole-mounted system - ST1 optic - Warm White - MidNight - 76 HO

**Product code**EF90: Pole-mounted system - ST1 optic - Warm White - MidNight - 76 HO **Attention! Code no longer in production****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, 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 of +20°/-5° (in 5° steps) for a pole-top installation and +5°/20° (in 5° steps) for a lateral installation. 5 mm thick sodium-calcium closing glass secured to product with 4 screws. The high IP rating is guaranteed by the silicone gasket placed between the two elements. Complete with monochrome LED circuit 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. Optic and wiring compartment can be opened with 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 pole-top or lateral mounting using a die-cast aluminium pole-top for end diameters of  $\varnothing$  46/60/76 mm.

**Colour**

Grey (15)

**Weight (Kg)**

9.85

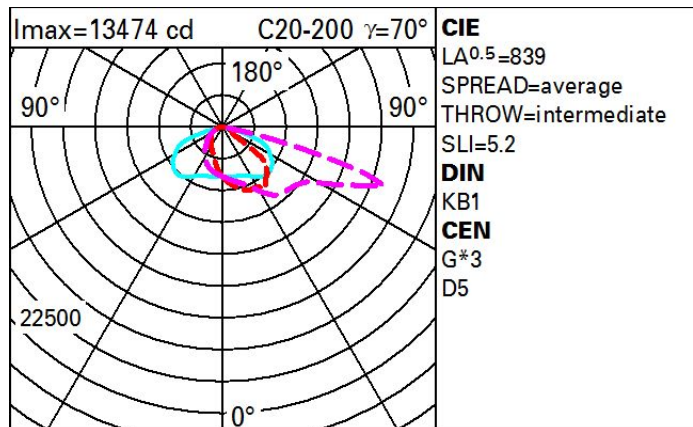
**Mounting**

wall arm|pole-top

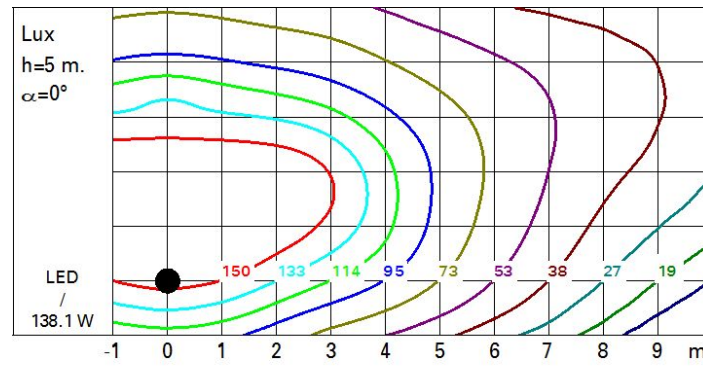
Complies with EN60598-1 and pertinent regulations

**Technical data**

lm system:	15380	MacAdam Step:	3
W system:	138.1	Life Time LED 1:	100,000h - L90 - B10 (Ta 25°C)
lm source:	-	Life Time LED 2:	100,000h - L90 - B10 (Ta 40°C)
W source:	-	Voltage [Vin]:	230
Luminous efficiency (lm/W, real value):	111.4	Lamp code:	LED
lm in emergency mode:	-	Number of lamps for optical assembly:	1
Total light flux at or above an angle of 90° [Lm]:	0	ZVEI Code:	LED
Light Output Ratio (L.O.R.) [%]:	100	Number of optical assemblies:	1
CRI (minimum):	70	Intervallo temperatura ambiente:	from -40°C to 50°C.
Colour temperature [K]:	3000	Control:	Middle of the night

**Polar**

### Isolux



### Utilisation factors

