

Last information update: March 2025

**Product configuration: EM38**

EM38: Pole-mounted system for urban and residential parks and gardens.



**Product code**

EM38: Pole-mounted system for urban and residential parks and gardens.

**Technical description**

Outdoor luminaire with a symmetrical 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 liquid acrylic paint, cured at 150 °C, with a high level of weather and UV ray resistance. Diffuser made of shockproof, UV-stabilised injection moulded polycarbonate. Complete with circuit fitted with Amber coloured monochrome LEDs. Optical assembly consisting of an anodized super-pure aluminium upper reflector, a methacrylate lens and a lower reflector made of metallised PC. Replaceable LEDs and driver. DALI selv driver with automatic internal temperature control system. All external screws are made of stainless steel.

**Installation**

The spotlight can be installed with a pole-top mounting on poles with  $\phi$  60mm and 76mm end part using X102 and X126 accessories. Secured to the pole by two bolts.

**Colour**

White (01) | Black (04) | Grey (15) | Rust Brown (F5)

**Weight (Kg)**

2.19

**Mounting**

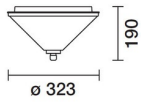
pole-top

**Wiring**

The product is supplied wired with a 500mm long outlet cable (2x1mm).

**Notes**

Overvoltage protection: 10kV Common Mode, 6kV Differential Mode



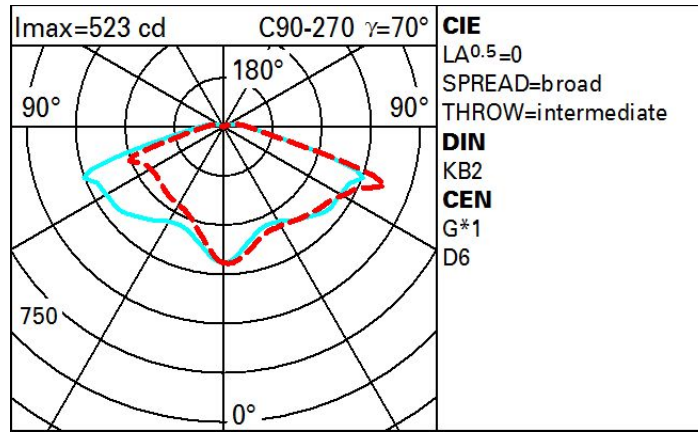
Complies with EN60598-1 and pertinent regulations



**Technical data**

Im system:	2120	Life Time LED 4:	100,000h - L80 - B10 (Ta 40°C)
W system:	20.1	Voltage [Vin]:	230
Im source:	-	Lamp code:	LED
W source:	-	Number of lamps for optical 1 assembly:	1
Luminous efficiency (lm/W, real value):	105.5	ZVEI Code:	LED
Im in emergency mode:	-	Number of optical assemblies:	1
Total light flux at or above an angle of 90° [Lm]:	103	Intervallo temperatura ambiente:	from -40°C to 50°C.
Light Output Ratio (L.O.R.) [%]:	100	Lifetime of product at ambient operating temperature:	$\geq$ 80,000h Ta=40°C
CRI (minimum):	65	Power factor:	See installation instructions
Colour temperature [K]:	2200	Inrush current:	21 A / 300 $\mu$ s
MacAdam Step:	3	Maximum number of luminaires of this type per miniature circuit breaker:	B10A: 13 luminaires B16A: 21 luminaires C10A: 21 luminaires C16A: 35 luminaires
Life Time LED 1:	54,000h - L90 - B10 (Ta 25°C)	Overvoltage protection:	10kV Common mode & 6kV Differential mode
Life Time LED 2:	100,000h - L80 - B10 (Ta 25°C)	Control:	DALI-2
Life Time LED 3:	43,000h - L90 - B10 (Ta 40°C)		

**Polar**



**Isolux**

