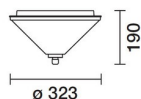


Last information update: July 2025

Product configuration: EM41

EM41: Pole-mounted system for urban and residential parks and gardens.

**Product code**

EM41: Pole-mounted system for urban and residential parks and gardens.

Technical description

Outdoor luminaire with an elliptical 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. MIDDLE OF THE NIGHT 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 \varnothing 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

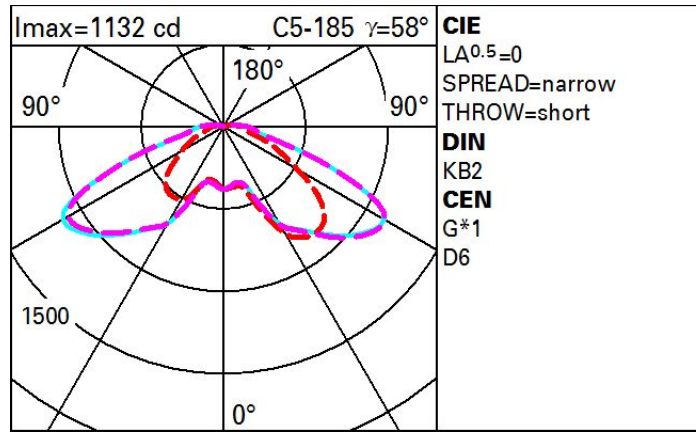
Overvoltage protection: 10kV Common Mode, 6kV Differential Mode

Complies with EN60598-1 and pertinent regulations

**Technical data**

Im system:	3350	Life Time LED 4:	100,000h - L80 - B10 (Ta 40°C)
W system:	31.3	Voltage [Vin]:	230
Im source:	-	Lamp code:	LED
W source:	-	Number of lamps for optical assembly:	1
Luminous efficiency (Im/W, real value):	107	ZVEI Code:	LED
Im in emergency mode:	-	Number of optical assemblies:	1
Total light flux at or above an angle of 90° [Lm]:	152	Intervallo temperatura ambiente:	from -40°C to 50°C.
Light Output Ratio (L.O.R.) [%]:	100	Lifetime of product at ambient operating temperature:	≥ 80.000h Ta=40°C
Beam angle [°]:	97° / 115°	Power factor:	See installation instructions
CRI (minimum):	65	Inrush current:	18.7 A / 195 µs
Colour temperature [K]:	2200	Maximum number of luminaires of this type per miniature circuit breaker:	B10A: 20 luminaires B16A: 32 luminaires C10A: 33 luminaires C16A: 54 luminaires
MacAdam Step:	3	Minimum dimming %:	10
Life Time LED 1:	51,000h - 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:	Middle of the night
Life Time LED 3:	40,000h - L90 - B10 (Ta 40°C)		

Polar



Isolux

