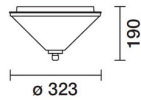


Last information update: May 2025

Product configuration: E027

E027: Joburg - Pole-mounted system for urban and residential parks and gardens

**Product code**

E027: Joburg - 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. Diffusor made of shockproof, UV-stabilised injection moulded polycarbonate. Complete with circuit fitted with Warm White 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. Overvoltage protection up to 8KV. All external screws are made of stainless steel.

Installation

The luminaire 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)

3

Mounting

pole-top

Wiring

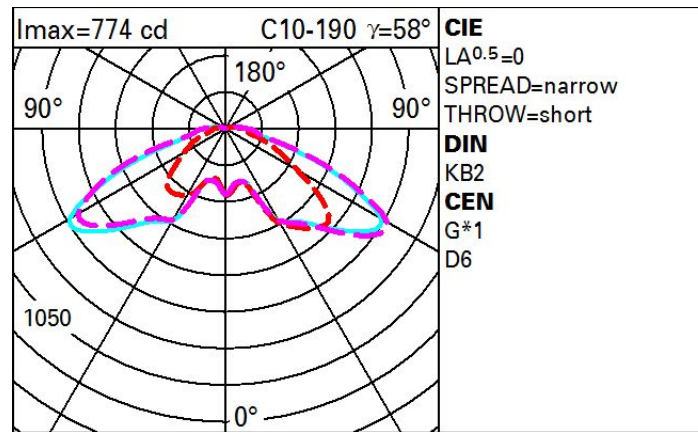
The product is supplied wired and with an outlet cable (2x1mm) 500mm long.

Complies with EN60598-1 and pertinent regulations

**Technical data**

Im system:	2150	Voltage [Vin]:	230
W system:	20.2	Lamp code:	LED
Im source:	-	Number of lamps for optical assembly:	1
W source:	-	ZVEI Code:	LED
Luminous efficiency (Im/W, real value):	106.4	Number of optical assemblies:	1
Im in emergency mode:	-	Intervalllo temperatura ambiente:	from -40°C to 50°C.
Total light flux at or above an angle of 90° [Lm]:	95	Lifetime of product at ambient operating temperature:	≥ 80.000h Ta=40°C
Light Output Ratio (L.O.R.) [%]:	100	Power factor:	See installation instructions
Beam angle [°]:	98° / 114°	Inrush current:	18.7 A / 195 µs
CRI (minimum):	80	Maximum number of luminaires of this type per miniature circuit breaker:	B10A: 20 luminaires B16A: 32 luminaires C10A: 33 luminaires C16A: 54 luminaires
Colour temperature [K]:	3000	Minimum dimming %:	10
MacAdam Step:	2	Overvoltage protection:	10kV Common mode & 6kV Differential mode
Life Time LED 1:	100,000h - L90 - B10 (Ta 25°C)	Control:	Middle of the night
Life Time LED 2:	100,000h - L90 - B10 (Ta 40°C)		

Polar



Isolux

