

Last information update: March 2025

**Product configuration: E002**

E002: Joburg - Pole-mounted system for urban and residential parks and gardens



**Product code**

E002: 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 Neutral 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. Dali selv driver with automatic internal temperature control system. Overvoltage protection up to 9KV. All external screws are made of stainless steel.

**Installation**

The luminaire can be installed with a pole-top mounting on poles with ø 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

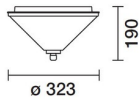
**Mounting**

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:	2220	Life Time LED 2:	100,000h - L90 - B10 (Ta 40°C)
W system:	20.1	Voltage [Vin]:	230
Im source:	-	Lamp code:	LED
W source:	-	Number of lamps for optical assembly:	1
Luminous efficiency (Im/W, real value):	110.4	ZVEI Code:	LED
Im in emergency mode:	-	Number of optical assemblies:	1
Total light flux at or above an angle of 90° [Lm]:	98	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 [°]:	98° / 114°	Power factor:	See installation instructions
CRI (minimum):	80	Inrush current:	21 A / 300 µs
Colour temperature [K]:	4000	Maximum number of luminaires of this type per miniature circuit breaker:	B10A: 13 luminaires B16A: 21 luminaires C10A: 21 luminaires C16A: 35 luminaires
MacAdam Step:	2	Overvoltage protection:	10kV Common mode & 6kV Differential mode
Life Time LED 1:	100,000h - L90 - B10 (Ta 25°C)	Control:	DALI-2

Polar

