

Last information update: October 2024

**Product configuration: BA80**

BA80: Ceiling-mounting 3 LED warm white - spot optic

**Product code**BA80: Ceiling-mounting 3 LED warm white - spot optic **Attention! Code no longer in production****Technical description**

Lighting system with down-light emission designed to use monochromatic Warm White (3100K) LEDs with fixed spot optic. Optical assembly, ceiling base and frame made of diecast aluminium alloy, with acrylic liquid paint treatment with high resistance to atmospheric agents and UV rays; tempered transparent sodium calcium closing glass, 4 mm thick, siliconed to frame. Provided with fast-coupling closing system between frame, optical assembly and ceiling base, without the use of tools. Internal silicone watertight gaskets. Complete with 3 Warm White (3100K) monochromatic power LEDs, Spot (S) optics with plastic lens, black polycarbonate multi-groove ring for visual comfort and built-in electronic ballast. Single cable entrance via black polyamide PG11 cable clamp, suitable for  $\varnothing$  6.5÷11mm cables. Connection with three fast-coupling terminals. Possibility to use unipolar cables with 2.4÷3.4mm diameter. Various accessories available: refractor for elliptical distribution, diffusing prismatic glass and chromatic filters. All external screws are made of stainless steel A2.

**Installation**

Ceiling installation with down-light luminous emission.

**Colour**

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

**Weight (Kg)**

0.64

**Mounting**

ceiling surface

**Wiring**

Control gear with 220÷240Vac 50/60Hz electronic ballast.

**Notes**

Version in insulation class II with outgoing cable on demand. Spare parts for LED circuit and electronic control gear available for extraordinary maintenance.

Complies with EN60598-1 and pertinent regulations

**Technical data**

lm system:	416	Colour temperature [K]:	3000
W system:	5.8	MacAdam Step:	3
lm source:	520	Life Time LED 1:	100,000h - L80 - B10 (Ta 25°C)
W source:	3.7	Lamp code:	LED
Luminous efficiency (lm/W, real value):	71.7	Number of lamps for optical assembly:	1
lm in emergency mode:	-	ZVEI Code:	LED
Total light flux at or above an angle of 90° [Lm]:	0	Number of optical assemblies:	1
Light Output Ratio (L.O.R.) [%]:	80	Intervallum temperatura ambiente:	from -30°C to 35°C.
Beam angle [°]:	14°	Power factor:	See installation instructions
CRI (minimum):	80	Overvoltage protection:	2kV Common mode & 1kV Differential mode

**Polar**

Imax=5110 cd		C0-180		Lux				
90°	180°	90°		h	d1	d2	Em	Emax
				4	1	1	241	319
				8	2	2	60	80
				12	2.9	2.9	27	35
				16	3.9	3.9	15	20
α=14°								

# Isolux

