

Last information update: February 2024

Product configuration: BA83

BA83: Ceiling-mounting 3 LED warm white - flood optic

**Product code**BA83: Ceiling-mounting 3 LED warm white - flood 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 flood 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, Flood (F) 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**

Im system:	348	MacAdam Step:	3
W system:	5.8	Life Time LED 1:	100,000h - L80 - B10 (Ta 25°C)
Im source:	520	Ballast losses [W]:	2.1
W source:	3.7	Lamp code:	LED
Luminous efficiency (Im/W, real value):	60.1	Number of lamps for optical assembly:	1
Im 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.) [%]:	67	Intervall temperatura ambiente:	from -30°C to 35°C.
Beam angle [°]:	32°	Power factor:	See installation instructions
CRI (minimum):	80	Overvoltage protection:	2kV Common mode & 1kV Differential mode
Colour temperature [K]:	3000		

Polar

Imax=1060 cd		C0-180		Lux	
h	d1	d2	Em	Emax	
2	1.1	1.1	217	265	
4	2.3	2.3	54	66	
6	3.4	3.4	24	29	
8	4.6	4.6	14	17	

$\alpha = 32^\circ$

Isolux

