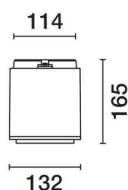


Last information update: May 2018

**Outdoor ceiling-mounted luminaire - Warm White COB Led - integrated ballast 120÷240Vac - 42° Flood optic****Product code**
BX27**Technical description**

Ceiling-mounted luminaire designed to use Warm White COB LED lamps with a Flood optic. The luminaire consists of an optical assembly/component-holding box and base for ceiling-mounting. The optical assembly, front frame, rear door and ceiling-mount base are made of die-cast aluminium alloy painted with a smooth finish (grey RAL 9007) or a textured finish (white RAL 9016). The painting process includes 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 next painting stage consists of a primer and a liquid acrylic paint, cured at 150°, with a high level of weather and UV ray resistance. The tempered sodium-calcium glass cover has customised serigraphy, is 4mm thick, and joined to the frame with silicone. The frame is fastened to the optical assembly by two M5 AISI 304 stainless steel captive screws and a steel safety cable. The product comes complete with a neutral white colour, monochrome COB LED circuit, an optic with a 99.93% pure aluminium OPTIBEAM reflector with a polished, anodized surface and built-in electronic ballast. The component-holding box, in the rear of the luminaire, is set up to hold the control gear, which is fixed with captive screws on a galvanised steel pull-out plate. The control gear can be accessed via the ceiling-mounting base with quick-connecting system and the rear door made of painted aluminium alloy, fixed to the product body with four M5 AISI 304 stainless steel captive screws. A galvanised steel safety cable secures the upper base to the product. The internal silicone seals guarantee watertightness IP66h Set up for pass-through wiring using two (PG 11) nickel-plated brass cable glands, designed for cables with diameters between 6.5 and 11 mm. The connection to the mains is made using a 3-pole terminal block with a quick-coupling system. Cables with quick-coupling terminals connect the terminal block and the control gear. All external screws used are made of A2 stainless steel. The luminaire technical characteristics conform to EN60598-1 standards and particular requirements.

Installation

Ceiling-mounted using the special base. Secure using screw anchors for concrete, cement and solid brick.

Dimension (mm)

132x132x165

Colour

White (01) | Grey (15)

Weight (Kg)

3.3

Mounting

ceiling surface/free standing

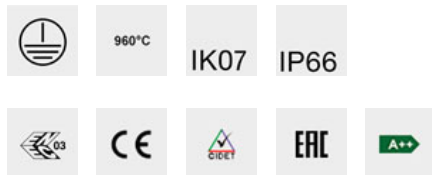
Wiring

Control gear complete with electronic ballast 120 ÷ 240V ac 50/60Hz.

Notes

Product complete with LED lamp. IK09 with protective grille.

Complies with EN60598-1 and pertinent regulations

**Product configuration: BX27****Product characteristics**

Total lighting output [Lm]: 1350
Total power [W]: 13.6
Luminous efficacy [Lm/W]: 99.3
Life Time: 100,000h - L80 - B10 (Ta 25°C)
Ambient temperature range: from -20°C to +35°C.

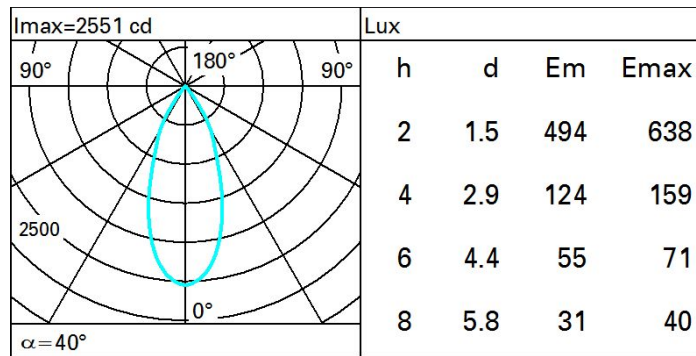
Total luminous flux at or above an angle of 90° [Lm]: 0
Emergency luminous flux [Lm]: /
Voltage [V]: -
Life Time: 100,000h - L80 - B10 (Ta 40°C)
Number of optical assemblies: 1

Optical assembly Characteristics Type 1

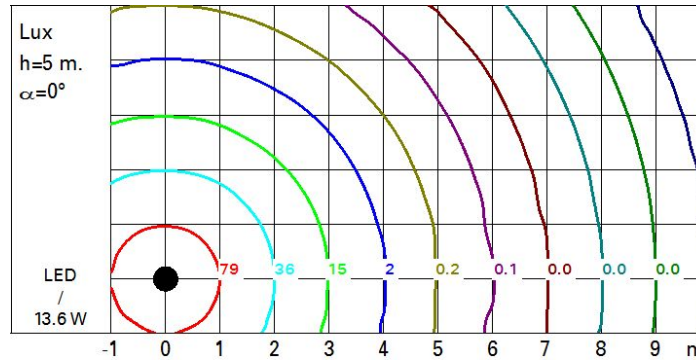
Light Output Ratio (L.O.R.) [%]: 73
Lamp code: LED
ZVEI Code: LED
Nominal power [W]: 12
Nominal luminous [Lm]: 1850
Lamp maximum intensity [cd]: /
Beam angle [°]: 40°

Number of lamps for optical assembly: 1
Socket: /
Ballast losses [W]: 1.6
Colour temperature [K]: 3000
CRI: 80
Wavelength [nm]: /
MacAdam Step: 2

Polar



Isolux



UGR diagram

Corrected UGR values (at 1850 lm bare lamp luminous flux)											
Rflect.:											
ceil/cav		0.70	0.70	0.50	0.50	0.30	0.70	0.70	0.50	0.50	0.30
walls		0.50	0.30	0.50	0.30	0.30	0.50	0.30	0.50	0.30	0.30
work pl.		0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
Room dim		viewed					viewed				
x	y	crosswise					endwise				
2H	2H	13.7	14.2	13.9	14.4	14.7	13.7	14.2	13.9	14.4	14.7
	3H	13.5	14.0	13.8	14.3	14.6	13.5	14.0	13.8	14.3	14.6
	4H	13.5	13.9	13.8	14.2	14.5	13.5	13.9	13.8	14.2	14.5
	6H	13.4	13.8	13.7	14.1	14.4	13.4	13.8	13.7	14.1	14.4
	8H	13.3	13.8	13.7	14.1	14.4	13.3	13.8	13.7	14.1	14.4
	12H	13.3	13.7	13.7	14.0	14.4	13.3	13.7	13.7	14.0	14.4
4H	2H	13.5	13.9	13.8	14.2	14.5	13.5	13.9	13.8	14.2	14.5
	3H	13.3	13.7	13.7	14.0	14.4	13.3	13.7	13.7	14.0	14.4
	4H	13.2	13.6	13.6	13.9	14.3	13.2	13.6	13.6	13.9	14.3
	6H	13.1	13.4	13.6	13.8	14.2	13.1	13.4	13.5	13.8	14.2
	8H	13.1	13.4	13.5	13.8	14.2	13.1	13.4	13.5	13.8	14.2
	12H	13.0	13.3	13.5	13.7	14.2	13.0	13.3	13.5	13.7	14.2
8H	4H	13.1	13.4	13.5	13.8	14.2	13.1	13.4	13.5	13.8	14.2
	6H	13.0	13.2	13.5	13.7	14.1	13.0	13.2	13.5	13.7	14.1
	8H	12.9	13.1	13.4	13.6	14.1	12.9	13.1	13.4	13.6	14.1
	12H	12.9	13.1	13.4	13.5	14.1	12.9	13.1	13.4	13.5	14.1
12H	4H	13.0	13.3	13.5	13.7	14.2	13.0	13.3	13.5	13.7	14.2
	6H	12.9	13.1	13.4	13.6	14.1	12.9	13.1	13.4	13.6	14.1
	8H	12.9	13.1	13.4	13.5	14.1	12.9	13.1	13.4	13.5	14.1
Variations with the observer position at spacing:											
S =	1.0H	6.2 / -10.6					6.2 / -10.6				
	1.5H	9.1 / -18.1					9.1 / -18.1				
	2.0H	11.1 / -18.5					11.1 / -18.5				