

Last information update: May 2018

**Ceiling-mounting LED neutral white - spot optic****Product code**

BC05

**Technical description**

Lighting system with down-light emission designed to use monochromatic Neutral White (4200K) LEDs with spot adjustable optic ( $\pm 15^\circ$  around vertical axis and  $180^\circ$  around horizontal plane). 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 circuit with 6 monochromatic Neutral White (4200K) power LEDs, Spot (S) optics with plastic lens, and built-in electronic ballast. Double black polyamide PG11 cable clamp for through wiring (suitable for cables with 6.5-11mm diameter). Three-pole terminal board designed for through earth wire. Connection between terminal board and control gear via cables with fast-coupling connectors. Various accessories available: refractor for elliptical distribution and chromatic filters. All external screws are made of stainless steel A2.

**Installation**

Ceiling installation with down-light luminous emission.

**Dimension (mm)**

$\varnothing 109 \times 208$

**Colour**

Grey (15)

**Weight (Kg)**

1.6

**Mounting**

ceiling surface

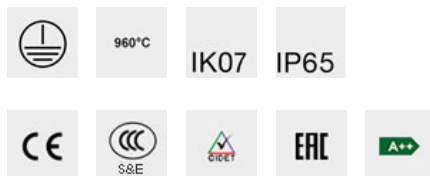
**Wiring**

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

**Notes**

Insulation class II, available with Insulation Class I (on demand). Spare parts for LED circuit and electronic control gear available for extraordinary maintenance. Anti-theft fastening system with torx screws between upper base and optical assembly on demand.

Complies with EN60598-1 and pertinent regulations

**Product configuration: BC05****Product characteristics**

Total lighting output [Lm]: 280.4  
 Total power [W]: 7  
 Luminous efficacy [Lm/W]: 40.1  
 Life Time: 50,000h - L70 - B20 (Ta 25°C)  
 Number of optical assemblies: 1

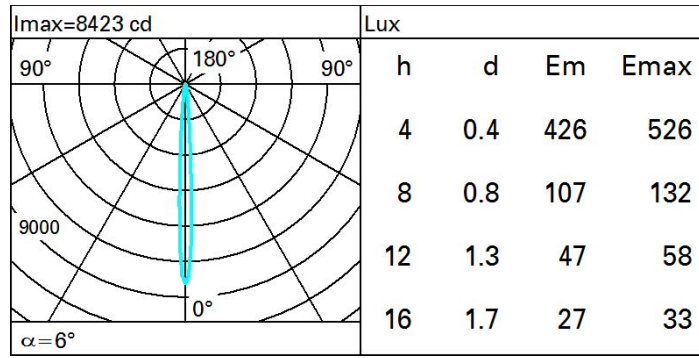
Total luminous flux at or above an angle of  $90^\circ$  [Lm]: 0  
 Emergency luminous flux [Lm]: /  
 Voltage [V]: -  
 Ambient temperature range: from  $-20^\circ\text{C}$  to  $+35^\circ\text{C}$ .

**Optical assembly Characteristics Type 1**

Light Output Ratio (L.O.R.) [%]: 72  
 Lamp code: LED  
 ZVEI Code: LED  
 Nominal power [W]: 4.9  
 Nominal luminous [Lm]: 389  
 Lamp maximum intensity [cd]: /  
 Beam angle [ $^\circ$ ]:  $6^\circ$

Number of lamps for optical assembly: 1  
 Socket: /  
 Ballast losses [W]: 2.1  
 Colour temperature [K]: 4200  
 CRI: 75  
 Wavelength [Nm]: /  
 MacAdam Step: 4

**Polar**



**Isolux**

