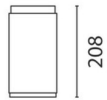


Last information update: October 2023

Product configuration: BC05

BC05: Ceiling-mounting LED neutral white - spot optic

**Product code**BC05: Ceiling-mounting LED neutral white - spot optic **Attention! Code no longer in production****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° 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.

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

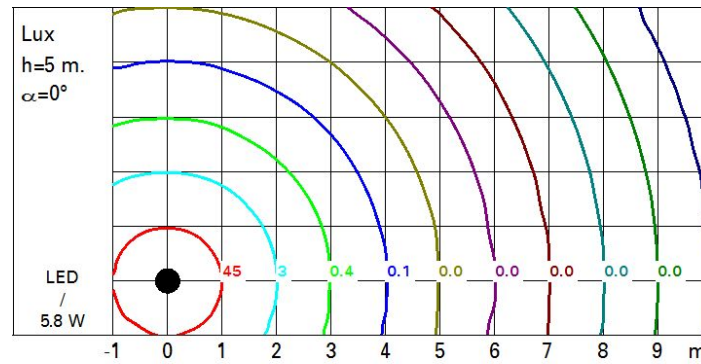
**Technical data**

Im system:	465	Colour temperature [K]:	4000
W system:	5.8	MacAdam Step:	3
Im source:	620	Life Time LED 1:	100,000h - L80 - B10 (Ta 25°C)
W source:	4	Ballast losses [W]:	1.8
Luminous efficiency (Im/W, real value):	80.2	Lamp code:	LED
Im in emergency mode:	-	Number of lamps for optical assembly:	1
Total light flux at or above an angle of 90° [Lm]:	0	ZVEI Code:	LED
Light Output Ratio (L.O.R.) [%]:	75	Number of optical assemblies:	1
Beam angle [°]:	14°	Intervallo temperatura ambiente:	from -20°C to +35°C.
CRI:	80		

Polar

Imax=4717 cd		Lux			
		h	d	Em	E _{max}
	90°				
	180°				
	90°				
	0°				
		4	1	233	295
		8	2	58	74
		12	2.9	26	33
		16	3.9	15	18

Isolux



UGR diagram

Corrected UGR values (at 620 lm bare lamp luminous flux)											
Reflect.:		viewed crosswise					viewed endwise				
ceiling		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 crosswise					viewed endwise				
x	y										
2H	2H	-2.2	-0.1	-1.8	0.2	0.5	-2.2	-0.1	-1.8	0.2	0.5
	3H	-1.8	-0.3	-1.4	-0.0	0.3	-2.1	-0.7	-1.7	-0.4	-0.0
	4H	-1.5	-0.4	-1.1	-0.1	0.3	-2.0	-0.9	-1.7	-0.6	-0.3
	6H	-1.1	-0.4	-0.8	-0.1	0.3	-2.0	-1.3	-1.6	-0.9	-0.6
	8H	-1.0	-0.2	-0.6	0.1	0.5	-2.0	-1.2	-1.7	-0.9	-0.6
4H	12H	-0.9	-0.1	-0.5	0.3	0.7	-2.1	-1.2	-1.7	-0.9	-0.5
	2H	-2.0	-0.9	-1.7	-0.6	-0.3	-1.5	-0.4	-1.1	-0.1	0.3
	3H	-1.4	-0.6	-1.0	-0.2	0.2	-1.2	-0.3	-0.8	0.0	0.4
	4H	-1.1	-0.1	-0.7	0.3	0.7	-1.1	-0.1	-0.7	0.3	0.7
	6H	-1.0	0.7	-0.5	1.2	1.7	-1.3	0.4	-0.8	0.9	1.3
8H	8H	-0.9	1.0	-0.4	1.5	2.0	-1.4	0.5	-0.9	1.0	1.5
	12H	-0.7	1.2	-0.2	1.7	2.2	-1.4	0.5	-0.9	1.0	1.5
	4H	-1.4	0.5	-0.9	1.0	1.5	-0.9	1.0	-0.4	1.5	2.0
	6H	-0.8	0.9	-0.3	1.4	1.9	-0.6	1.1	-0.1	1.6	2.1
	8H	-0.4	1.0	0.1	1.5	2.0	-0.4	1.0	0.1	1.5	2.0
12H	12H	0.1	1.0	0.6	1.5	2.0	-0.1	0.8	0.4	1.3	1.8
	4H	-1.4	0.5	-0.9	1.0	1.5	-0.7	1.2	-0.2	1.7	2.2
	6H	-0.7	0.7	-0.1	1.2	1.8	-0.3	1.1	0.2	1.6	2.2
		8H	-0.1	0.8	0.4	1.3	1.8	0.1	1.0	0.6	1.5
Variations with the observer position at spacing:											
S =		1.0H	1.4 / -0.9				1.4 / -0.9				
		1.5H	2.9 / -1.3				2.9 / -1.3				
		2.0H	4.3 / -1.6				4.3 / -1.6				