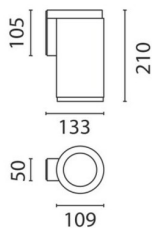


Last information update: October 2023

Product configuration: BC13

BC13: Down light wall-mounting LED warm white - spot optic

**Product code**BC13: Down light wall-mounting 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 spot adjustable optic ($\pm 15^\circ$ around vertical axis and 180° around horizontal plane). Optical assembly, wall arm and frame made of diecast aluminium alloy, with acrylic liquid paint treatment with high resistance to atmospheric agents and UV rays; plastic cover for wall arm; tempered transparent sodium calcium closing glass, 4 mm thick, siliconed to frame. Provided with fast-coupling closing system between frame, optical assembly and wall arm, without the use of tools. Internal silicone watertight gaskets. Complete with circuit with 6 monochromatic Warm White (3100K) 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 $6.5 \div 11$ mm 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

Wall installation with down-light luminous emission.

Colour

Grey (15)

Weight (Kg)

1.8

Mounting

wall arm/wall 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 wall arm and optical assembly on demand.

Complies with EN60598-1 and pertinent regulations



960°C

IK07

IP65



pending

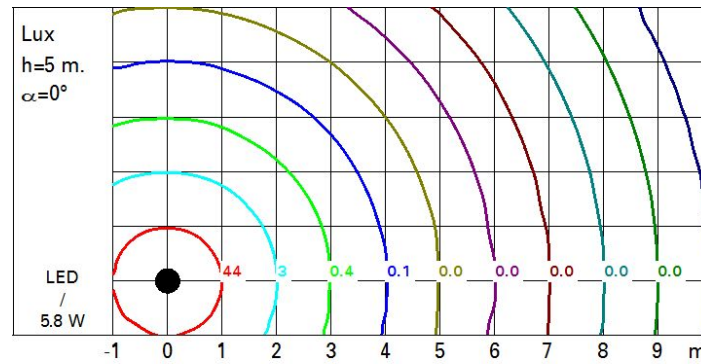
Technical data

lm system:	450	Colour temperature [K]:	3000
W system:	5.8	MacAdam Step:	3
lm source:	600	Life Time LED 1:	100,000h - L80 - B10 (Ta 25°C)
W source:	4	Ballast losses [W]:	1.8
Luminous efficiency (lm/W, real value):	77.6	Lamp code:	LED
lm 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=4564 cd		Lux			
h	d	Em	Emax		
4	1	225	285		
8	2	56	71		
12	2.9	25	32		
16	3.9	14	18		

Isolux



UGR diagram

Corrected UGR values (at 600 lm bare lamp luminous flux)										
Reflect.:		viewed crosswise					viewed endwise			
ceiling/cav		0.70	0.70	0.50	0.50	0.30	0.70	0.70	0.50	0.50
walls		0.50	0.30	0.50	0.30	0.30	0.50	0.30	0.50	0.30
work pl.		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	-2.3	-0.2	-2.0	0.1	0.4	-2.3	-0.2	-2.0	0.1
	3H	-1.9	-0.4	-1.5	-0.1	0.2	-2.2	-0.8	-1.8	-0.5
	4H	-1.6	-0.5	-1.2	-0.2	0.2	-2.2	-1.1	-1.8	-0.7
	6H	-1.2	-0.5	-0.9	-0.2	0.2	-2.1	-1.4	-1.7	-1.0
	8H	-1.1	-0.3	-0.8	0.0	0.4	-2.2	-1.4	-1.8	-1.0
	12H	-1.0	-0.2	-0.6	0.2	0.6	-2.2	-1.4	-1.8	-1.0
4H	2H	-2.2	-1.1	-1.8	-0.7	-0.4	-1.6	-0.5	-1.2	-0.2
	3H	-1.6	-0.7	-1.2	-0.3	0.0	-1.3	-0.4	-0.9	-0.1
	4H	-1.3	-0.2	-0.8	0.2	0.6	-1.3	-0.2	-0.8	0.2
	6H	-1.1	0.6	-0.6	1.1	1.5	-1.4	0.3	-0.9	0.7
	8H	-1.0	0.9	-0.5	1.4	1.9	-1.5	0.4	-1.0	0.9
	12H	-0.8	1.1	-0.3	1.6	2.1	-1.5	0.4	-1.0	0.9
8H	4H	-1.5	0.4	-1.0	0.9	1.4	-1.0	0.9	-0.5	1.4
	6H	-0.9	0.8	-0.4	1.3	1.8	-0.7	1.0	-0.2	1.5
	8H	-0.5	0.9	-0.0	1.4	1.9	-0.5	0.9	-0.0	1.4
	12H	-0.0	0.9	0.5	1.4	1.9	-0.3	0.7	0.3	1.2
12H	4H	-1.5	0.4	-1.0	0.9	1.4	-0.8	1.1	-0.3	1.6
	6H	-0.8	0.6	-0.3	1.1	1.6	-0.4	1.0	0.1	1.5
	8H	-0.3	0.7	0.3	1.2	1.7	-0.0	0.9	0.5	1.4
Variations with the observer position at spacing:										
S =		1.0H	1.4	-0.9	1.4	-0.9	1.4	-0.9	1.4	-0.9
		1.5H	2.9	-1.3	2.9	-1.3	2.9	-1.3	2.9	-1.3
		2.0H	4.3	-1.6	4.3	-1.6	4.3	-1.6	4.3	-1.6