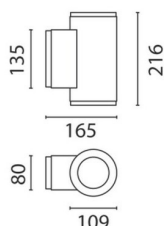


Last information update: February 2024

Product configuration: BC19

BC19: Up/down light wall-mounting LED neutral white - spot/spot optic

**Product code**BC19: Up/down light wall-mounting LED neutral white - spot/spot optic **Attention! Code no longer in production****Technical description**

Lighting system with up-down 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, arm and frame made of diecast aluminium alloy, with acrylic liquid paint treatment with high resistance to atmospheric agents and UV rays; double tempered transparent sodium calcium closing glass, 4 mm thick, siliconed to frame. Provided with fast-coupling closing system between frame, optical assembly and wall base, without the use of tools. Internal silicone watertight gaskets. Complete with circuit with 6+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

Wall installation with down-light luminous emission.

Colour

White (01) | Black (04) | Grey (15) | Rust Brown (F5)

Weight (Kg)

2.35

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

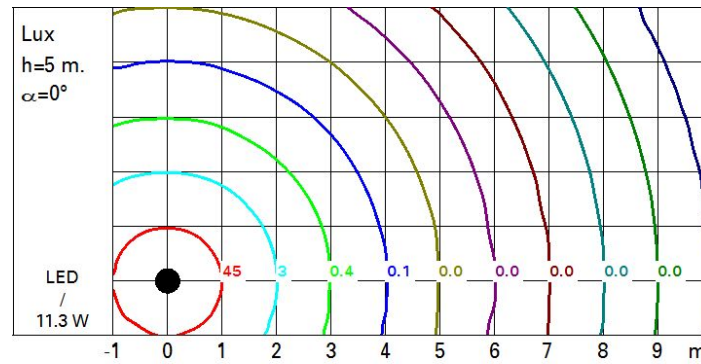
**Technical data**

Im system:	938	MacAdam Step:	3
W system:	11.3	Life Time LED 1:	100,000h - L80 - B10 (Ta 25°C)
Im source:	1250	Ballast losses [W]:	3.2
W source:	8.1	Lamp code:	LED
Luminous efficiency (Im/W, real value):	83	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]:	469	Number of optical assemblies:	1
Light Output Ratio (L.O.R.) [%]:	75	Intervallum temperatura ambiente:	from -30°C to 35°C.
Beam angle [°]:	14°	Power factor:	See installation instructions
CRI (minimum):	80	Overvoltage protection:	2kV Common mode & 1kV Differential mode
Colour temperature [K]:	4000		

Polar

Imax=4773 cd		Lux			
		h	d	Em	Emax
	180°	2	-	77	1193
	90°	4	-	19	298
	0°	6	-	9	133
		8	-	5	75

Isolux



UGR diagram

Corrected UGR values (at 1250 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	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	-5.5	-4.5	-4.6	-3.5	-2.3	-5.5	-4.5	-4.6	-3.5	-2.3
	3H	-5.1	-4.4	-4.2	-3.5	-2.3	-5.5	-4.7	-4.6	-3.8	-2.6
	4H	-4.9	-4.3	-4.0	-3.4	-2.2	-5.5	-4.9	-4.6	-4.0	-2.8
	6H	-4.7	-4.2	-3.7	-3.3	-2.1	-5.5	-5.1	-4.6	-4.2	-3.0
	8H	-4.6	-4.1	-3.6	-3.2	-2.0	-5.6	-5.1	-4.7	-4.2	-3.0
	12H	-4.5	-4.0	-3.5	-3.0	-1.8	-5.7	-5.2	-4.7	-4.2	-3.0
4H	2H	-5.5	-4.9	-4.6	-4.0	-2.8	-4.9	-4.3	-4.0	-3.4	-2.2
	3H	-5.0	-4.5	-4.0	-3.6	-2.3	-4.7	-4.2	-3.8	-3.3	-2.1
	4H	-4.7	-4.2	-3.7	-3.2	-1.9	-4.7	-4.2	-3.7	-3.2	-1.9
	6H	-4.4	-3.7	-3.4	-2.7	-1.3	-4.7	-4.0	-3.8	-3.0	-1.6
	8H	-4.2	-3.5	-3.3	-2.5	-1.1	-4.8	-4.0	-3.8	-3.0	-1.6
	12H	-4.1	-3.3	-3.1	-2.3	-0.9	-4.8	-4.0	-3.8	-3.0	-1.6
8H	4H	-4.8	-4.0	-3.8	-3.0	-1.6	-4.2	-3.5	-3.3	-2.5	-1.1
	6H	-4.2	-3.6	-3.2	-2.5	-1.1	-4.0	-3.4	-3.0	-2.3	-0.9
	8H	-3.9	-3.4	-2.9	-2.3	-0.9	-3.9	-3.4	-2.9	-2.3	-0.9
	12H	-3.6	-3.2	-2.5	-2.1	-0.8	-3.8	-3.4	-2.8	-2.4	-1.0
12H	4H	-4.8	-4.0	-3.8	-3.0	-1.6	-4.1	-3.3	-3.1	-2.3	-0.9
	6H	-4.2	-3.6	-3.2	-2.6	-1.2	-3.8	-3.2	-2.8	-2.2	-0.8
	8H	-3.8	-3.4	-2.8	-2.4	-1.0	-3.6	-3.2	-2.5	-2.1	-0.8
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			