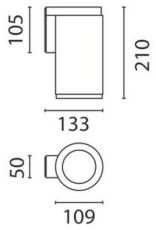
iRoll 65

Design iGuzzini **iGuzzini**

Last information update: October 2023

Product configuration: BC12
BC12: Down light wall-mounting LED neutral white - spot optic



Product code
BC12: Down light wall-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 (± 15° around vertical axis and 180° around horizontal plane). Optical assembly, wall arm and frame made of diecast alluminium 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 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	**Weight (Kg)**
Grey (15)	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.

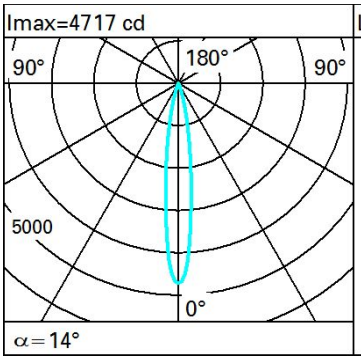
Complies with EN60598-1 and pertinent regulations

960°C IK07 IP65 pending

Technical data

lm system:	465	Colour temperature [K]:	4000
W system:	5.8	MacAdam Step:	3
lm source:	620	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):	80.2	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		

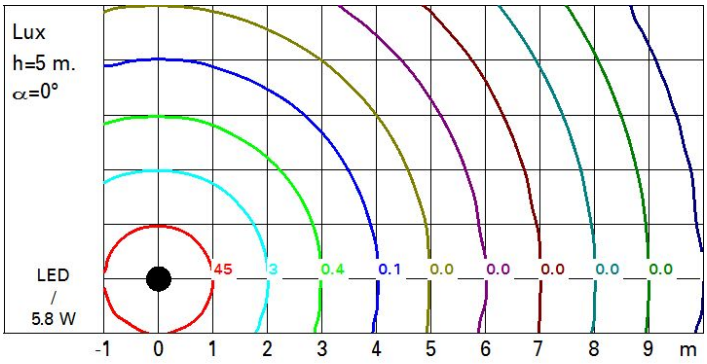
Polar



Lux

h	d	Em	Emax
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)

Riflect.: 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 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
	12H	-0.9	-0.1	-0.5	0.3	0.7	-2.1	-1.2	-1.7	-0.9	-0.5
4H	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	-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
8H	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	0.1	1.0	0.6	1.5	2.0	-0.1	0.8	0.4	1.3	1.8
12H	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	2.0

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