Walky

Design iGuzzini   **iGuzzini**

Last information update: May 2024

Product configuration: BG01
BG01: Wall-mounted recessed luminaire Warm White LEDs

Product code
BG01: Wall-mounted recessed luminaire Warm White LEDs **Attention! Code no longer in production**

Technical description
Diffused light luminaire, designed to use Warm White LED lamps. Recessed wall-mounted installation (using moulding element accessory). Consists of a component holding box, frame and diffusing screen. The die-cast aluminium outer frame is treated with liquid acrylic paint with a high level of weather and UV ray resistance. The protective screen is made of glass which is painted on the inside. The perimeter seal is made of EPDM. Complete with PG11 cable gland suitable for cables with 6.5-11mm diameter. The component holding plate is housed in the polycarbonate box, complete with a 7x1.2W 3100K LED circuit. All external screws are made of A2 stainless steel. The luminaire technical characteristics conform to EN60598-1 standards and particular requirements.

Installation
Recessed wall-mounted using screw anchors, with the possibility of using a polystyrene moulding element (code 0234) which is inserted in the formwork to produce the cavity for the luminaire in cast concrete, or for a smooth luminaire compartment in masonry.

Colour
Black (04) | Grey (15)

Mounting
wall recessed

Wiring
Complete wiring, control gear complete with electronic ballast 120-240Vac 50/60Hz and three-pole quick-coupling terminal block
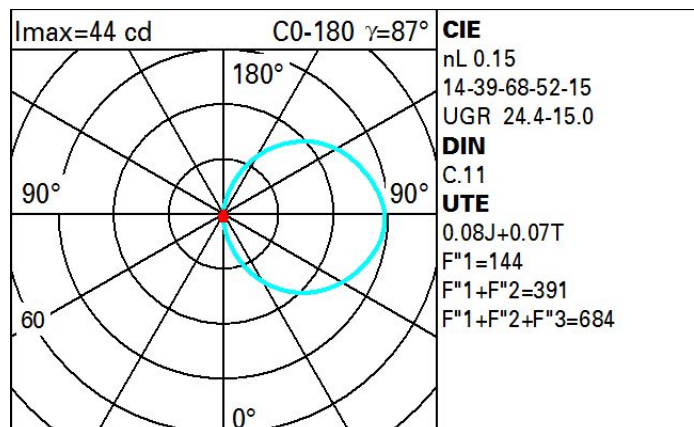
Notes
Upon request version available with Neutral White 4200K LEDs, code BG00.

Complies with EN60598-1 and pertinent regulations

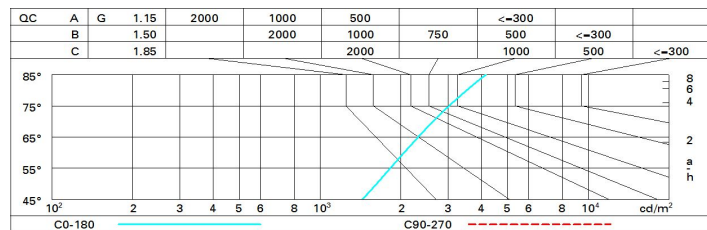850°C   IK05   IP66   CE

Technical data

lm system:	126	Colour temperature [K]:	3000
W system:	8.9	MacAdam Step:	3
lm source:	840	Life Time LED 1:	50,000h - L80 - B10 (Ta 25°C)
W source:	6.9	Lamp code:	LED
Luminous efficiency (lm/W, real value):	14.2	Number of lamps for optical assembly:	1
lm in emergency mode:	-	ZVEI Code:	LED
Total light flux at or above an angle of 90° [Lm]:	60	Number of optical assemblies:	1
Light Output Ratio (L.O.R.) [%]:	15	Intervallo temperatura ambiente:	from -20°C to +35°C.
CRI (minimum):	80		

Polar

Imax=44 cd   C0-180 γ=87°

CIE
nL 0.15
14-39-68-52-15
UGR 24.4-15.0
DIN
C.11
UTE
0.08J+0.07T
F"1=144
F"1+F"2=391
F"1+F"2+F"3=684

Utilisation factors

R	77	75	73	71	55	53	33	00	DRR
K0.8	7	5	4	3	4	3	3	1	14
1.0	8	6	5	4	5	4	3	1	18
1.5	9	8	6	6	6	5	4	2	29
2.0	10	9	8	7	7	6	5	3	37
2.5	11	9	8	8	8	7	6	3	44
3.0	11	10	9	8	8	8	6	4	49
4.0	12	11	10	9	9	8	7	4	56
5.0	12	11	10	10	9	9	7	5	62

Luminance curve limit

QC									
A	G	1.15	2000	1000	500		<=300		
B		1.50		2000		1000	750	500	<=300
C		1.85			2000		1000	500	<=300

C0-180 ─────── C90-270 ─ ─ ─ ─ ─ ─ ─ ─

UGR diagram

Corrected UGR values (at 840 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 x	y	viewed crosswise					viewed endwise				
2H	2H	15.2	15.8	16.1	16.7	17.8	5.8	6.4	6.7	7.3	8.4
	3H	18.6	19.2	19.5	20.2	21.3	8.3	8.9	9.2	9.9	11.1
	4H	20.4	21.0	21.3	21.9	23.2	9.6	10.2	10.5	11.1	12.3
	6H	22.1	22.7	23.1	23.7	24.9	10.7	11.2	11.6	12.2	13.4
	8H	23.0	23.6	24.0	24.6	25.8	11.1	11.6	12.0	12.6	13.9
	12H	23.9	24.4	24.9	25.4	26.7	11.3	11.8	12.3	12.8	14.1
4H	2H	15.8	16.4	16.8	17.4	18.6	7.8	8.4	8.7	9.3	10.5
	3H	19.5	20.0	20.5	21.0	22.3	10.9	11.4	11.8	12.4	13.7
	4H	21.5	22.0	22.4	22.9	24.2	12.6	13.1	13.5	14.0	15.3
	6H	23.4	23.9	24.4	24.9	26.2	14.2	14.7	15.2	15.7	17.0
	8H	24.4	24.8	25.4	25.9	27.2	15.0	15.4	16.0	16.4	17.8
	12H	25.4	25.8	26.4	26.8	28.2	15.6	16.0	16.6	17.1	18.4
8H	4H	21.8	22.3	22.8	23.3	24.6	13.4	13.9	14.4	14.9	16.2
	6H	24.1	24.5	25.1	25.6	26.9	15.6	16.1	16.6	17.1	18.5
	8H	25.2	25.7	26.2	26.7	28.1	16.8	17.2	17.8	18.3	19.7
	12H	26.4	26.8	27.4	27.9	29.3	18.0	18.4	19.0	19.4	20.8
12H	4H	21.9	22.3	22.9	23.3	24.7	13.5	13.9	14.5	15.0	16.3
	6H	24.2	24.6	25.2	25.7	27.1	15.8	16.3	16.8	17.3	18.7
	8H	25.5	25.9	26.5	26.9	28.3	17.2	17.6	18.2	18.6	20.0

Variations with the observer position at spacing:

S =	1.0H	0.1 / -0.1	0.2 / -0.2
	1.5H	0.2 / -0.2	0.4 / -0.4
	2.0H	0.3 / -0.3	0.6 / -0.8