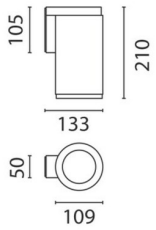
iRoll 65

Design iGuzzini **iGuzzini**

Last information update: February 2024

Product configuration: BI21
BI21: Outdoor wall-mounted luminaire - neutral white LED - with integrated electronic ballast Vin=120-240V ac - Medium optic



Product code
BI21: Outdoor wall-mounted luminaire - neutral white LED - with integrated electronic ballast Vin=120-240V ac - Medium optic
Attention! Code no longer in production

Technical description
Direct light outdoor wall-mounted luminaire, designed to use monochrome neutral white LED lamps, with fixed Medium optic. For wall-mounting with the special arm. Consists of an optical assembly, wall-mounting arm and glass-holding frame. The optical assembly, wall-mounting arm and frame are made of die-cast aluminium alloy coated with liquid acrylic paint with a high level of resistance to weather and UV rays, plus a painted plastic guard for the wall-mounting arm. The 4 mm thick transparent, tempered sodium - calcium glass is joined to the frame with silicone. The internal silicone seals guarantee watertightness. Tool-free quick-coupling closing system between frame, optical assembly and wall-mounting arm. Complete with circuit having monochrome neutral white LEDs and an optic with 99.93% polished super-pure aluminium reflector. A number of accessories are available: refractor for elliptical distribution, prismatic diffusing glass and coloured filters. All external screws used are made of A2 stainless steel. The luminaire technical characteristics conform to EN60598-1 standards and particular requirements.

Installation
Wall-mounted with down-light emission. Secure using screw anchors for concrete, cement and solid brick.

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

Mounting
wall arm|wall surface

Wiring
Control gear complete with electronic ballast 120-240V ac 50/60Hz. Polyamide PG11 double cable gland for pass-through wiring, suitable for power cables ø 6.5-11 mm. Three-pin terminal block set up for pass-through earth wire. Cables with quick-coupling terminals connect the terminal block and the control gear.

Notes
Product complete with LED lamp

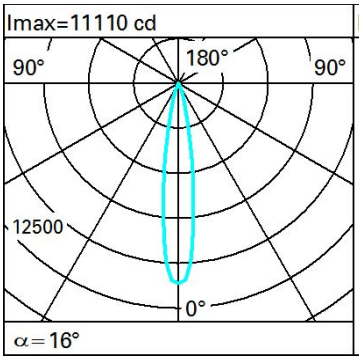
Complies with EN60598-1 and pertinent regulations

IK07 IP65

Technical data

lm system:	1313	Colour temperature [K]:	4000
W system:	16.8	MacAdam Step:	2
lm source:	1830	Life Time LED 1:	100,000h - L90 - B10 (Ta 25°C)
W source:	12	Ballast losses [W]:	4.8
Luminous efficiency (lm/W, real value):	78.1	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.) [%]:	72	Number of optical assemblies:	1
Beam angle [°]:	16°	Intervallo temperatura ambiente:	from -30°C to 50°C.
CRI (minimum):	80		

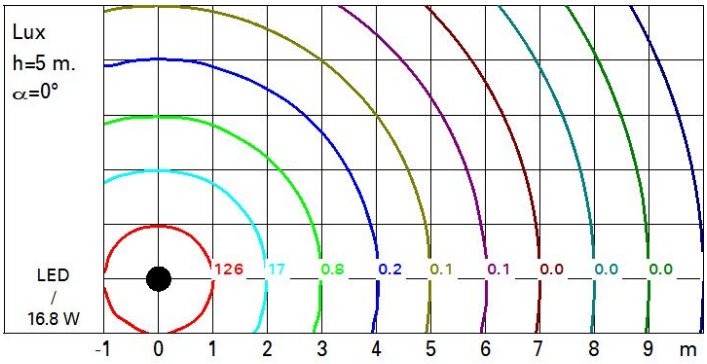
Polar



Lux

h	d	Em	Emax
8	2.2	141	174
16	4.5	35	43
24	6.7	16	19
32	9	9	11

Isolux



UGR diagram

Corrected UGR values (at 1830 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	0.3	2.4	0.6	2.7	3.0	0.3	2.4	0.6	2.7	3.0
	3H	1.3	2.8	1.7	3.1	3.4	0.6	2.1	1.0	2.4	2.7
	4H	1.9	3.0	2.2	3.3	3.7	0.7	1.9	1.1	2.2	2.5
	6H	2.1	2.9	2.4	3.2	3.5	0.8	1.6	1.2	1.9	2.3
	8H	2.0	2.9	2.4	3.2	3.5	0.8	1.6	1.2	2.0	2.3
	12H	1.9	2.8	2.3	3.2	3.6	0.7	1.6	1.1	2.0	2.4
4H	2H	0.7	1.9	1.1	2.2	2.5	1.9	3.0	2.2	3.3	3.7
	3H	2.0	2.9	2.4	3.2	3.6	2.4	3.3	2.8	3.6	4.0
	4H	2.5	3.6	3.0	4.0	4.4	2.5	3.6	3.0	4.0	4.4
	6H	2.4	4.2	2.9	4.6	5.1	2.4	4.2	2.9	4.6	5.1
	8H	2.3	4.2	2.8	4.7	5.2	2.4	4.3	2.9	4.8	5.3
	12H	2.2	4.2	2.7	4.7	5.2	2.3	4.2	2.8	4.7	5.2
8H	4H	2.4	4.3	2.9	4.8	5.3	2.3	4.2	2.8	4.7	5.2
	6H	2.5	4.3	3.1	4.8	5.3	2.5	4.2	3.0	4.7	5.2
	8H	2.6	4.0	3.1	4.5	5.0	2.6	4.0	3.1	4.5	5.0
	12H	2.7	3.6	3.2	4.1	4.7	2.7	3.6	3.2	4.1	4.7
12H	4H	2.3	4.2	2.8	4.7	5.2	2.2	4.2	2.7	4.7	5.2
	6H	2.6	4.0	3.1	4.5	5.0	2.5	3.9	3.0	4.4	5.0
	8H	2.7	3.6	3.2	4.1	4.7	2.7	3.6	3.2	4.1	4.7

Variations with the observer position at spacing:

S =			
	1.0H	0.8 / -0.3	0.8 / -0.3
	1.5H	1.9 / -1.0	1.9 / -1.0
	2.0H	3.0 / -1.1	3.0 / -1.1