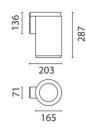
Design iGuzzini

Last information update: May 2018

iGuzzini





Outdoor wall-mounted luminaire - neutral white LED - with integrated electronic ballast Vin=120-277V ac - Flood optic

### Product code

**BI27** 

#### Technical description

Direct light outdoor ceiling-mounted luminaire, designed to use monochrome neutral white LED lamps, with fixed Flood 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. The 4 mm thick transparent, tempered sodium - calcium glass is joined to the frame with silicone. Two painted thermoplastic material outer guards complete the wall base. The internal silicone seals guarantee watertightness. The lower frame is fixed to the lamp body by a system using an unhookable hinge and captive closing screw. Body fixing to the wall-mounting arm is simplified using an unhookable hinge and a closing clip with captive safety screw. Steel retaining cables between the lower frame and the optical assembly, and between the optical assembly and the wall-mounting arm simplify installation operations. Complete with circuit having monochrome neutral white LEDs and an optic with 99.93% polished super-pure aluminium reflector. Flood (F) emission. 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.

#### Dimension (mm)

Ø165x287

### Colour

Grey (15)

### Weight (Kg)

#### Mounting

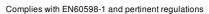
wall arm|wall surface

## Wiring

Control gear complete with electronic ballast 120-277V ac 50/60Hz. Polyamide PG13.5 double cable gland for pass-through wiring, suitable for power cables ø 8.5-12.5 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





















## Product configuration: BI27

### Product characteristics

Total lighting output [Lm]: 2148.6 Total power [W]: 28.4 Luminous efficacy [Lm/W]: 75.7 Life Time: 76,000h - L80 - B10 (Ta 25°C)

Ambient temperature range: from -20°C to +35°C.

Number of optical assemblies: 1

## Optical assembly Characteristics Type 1

Light Output Ratio (L.O.R.) [%]: 65 Lamp code: LED ZVEI Code: LED Nominal power [W]: 25 Nominal luminous [Lm]: 3300

Lamp maximum intensity [cd]: / Beam angle [°]: 38°

Number of lamps for optical assembly: 1

Life Time: 63,000h - L80 - B10 (Ta 40°C)

Total luminous flux at or above an angle of 90° [Lm]: 0

Socket: /

Voltage [V]:

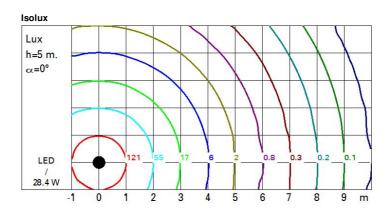
Ballast losses [W]: 3.4 Colour temperature [K]: 4000

Emergency luminous flux [Lm]: /

CRI: 80 Wavelength [Nm]: / MacAdam Step: 2

### Polar

Imax=4509 cd	Lux			
90° 180° 90°	h	d	Em	Emax
	2	1.4	822	1127
	4	2.8	206	282
5000	6	4.1	91	125
α=38°	8	5.5	51	70



# UGR diagram

2H 3H 4H 6H 8H 112H 2H 3H 4H	0.70 0.50 0.20 18.5 18.4 18.3 18.3 18.3 18.2	0.70 0.30 0.20 19.2 19.0 18.9 18.8 18.8 18.7	0.50 0.50 0.20 viewed crosswis 18.8 18.7 18.7 18.6 18.6		0.30 0.30 0.20 19.7 19.6 19.5 19.5 19.4 19.4	0.70 0.50 0.20 18.5 18.5 18.4 18.3 18.3	19.2 19.1 19.0 18.8 18.8	0.50 0.50 0.20 viewed endwise 18.8 18.7 18.7 18.6 18.6	0.50 0.30 0.20 19.5 19.3 19.2 19.1 19.1	0.30 0.30 0.20 19.7 19.6 19.5 19.4
2H 3H 4H 6H 8H 12H 2H 3H	0.50 0.20 18.5 18.4 18.3 18.3 18.2	19.2 19.0 18.9 18.8 18.7	0.50 0.20 viewed crosswis 18.8 18.7 18.7 18.7 18.6 18.6	0.30 0.20 e 19.5 19.3 19.2 19.1 19.1 19.0	19.7 19.6 19.5 19.5 19.4 19.4	0.50 0.20 18.5 18.5 18.4 18.3 18.3	19.2 19.1 19.0 18.8 18.8 18.7	0.50 0.20 viewed endwise 18.8 18.7 18.7 18.7	0.30 0.20 19.5 19.3 19.2 19.1 19.1	19.5 19.5 19.5 19.5
2H 3H 4H 6H 8H 12H	0.20 18.5 18.4 18.3 18.3 18.2	19.2 19.0 18.9 18.8 18.7	0.20 viewed crosswis 18.8 18.7 18.7 18.7 18.6 18.6	0.20 e 19.5 19.3 19.2 19.1 19.1 19.0	19.7 19.6 19.5 19.5 19.4 19.4	18.5 18.5 18.4 18.3 18.3	19.2 19.1 19.0 18.8 18.8 18.7	0.20 viewed endwise 18.8 18.7 18.7 18.7	19.5 19.3 19.2 19.1 19.1	19.7 19.6 19.5 19.6
2H 3H 4H 6H 8H 12H	18.5 18.4 18.4 18.3 18.3 18.2	19.2 19.0 18.9 18.8 18.7	18.8 18.7 18.7 18.7 18.6 18.6	19.5 19.3 19.2 19.1 19.1	19.7 19.6 19.5 19.5 19.4	18.5 18.5 18.4 18.3 18.3	19.2 19.1 19.0 18.8 18.8	18.8 18.8 18.7 18.7	19.5 19.3 19.2 19.1 19.1	19.1 19.1 19.1 19.1
y 2H 3H 4H 6H 8H 12H 2H 3H	18.4 18.3 18.3 18.2 18.4 18.3	19.2 19.0 18.9 18.8 18.7	18.8 18.7 18.7 18.7 18.6 18.6	19.5 19.3 19.2 19.1 19.1	19.6 19.5 19.5 19.4 19.4	18.5 18.4 18.3 18.3 18.2	19.2 19.1 19.0 18.8 18.8	18.8 18.8 18.7 18.7 18.6	19.5 19.3 19.2 19.1 19.1	19.0 19.0 19.0 19.0
2H 3H 4H 6H 8H 12H 2H 3H	18.4 18.3 18.3 18.2 18.4 18.3	19.2 19.0 18.9 18.8 18.7	18.8 18.7 18.7 18.7 18.6 18.6	19.5 19.3 19.2 19.1 19.1	19.6 19.5 19.5 19.4 19.4	18.5 18.4 18.3 18.3 18.2	19.2 19.1 19.0 18.8 18.8	18.8 18.7 18.7 18.6	19.5 19.3 19.2 19.1 19.1	19.0 19.0 19.0 19.0
3H 4H 6H 8H 12H 2H 3H	18.4 18.3 18.3 18.2 18.4 18.3	19.0 18.9 18.8 18.7	18.7 18.7 18.7 18.6 18.6	19.3 19.2 19.1 19.1 19.0	19.6 19.5 19.5 19.4 19.4	18.5 18.4 18.3 18.3 18.2	19.1 19.0 18.8 18.8 18.7	18.8 18.7 18.7 18.6	19.3 19.2 19.1 19.1	19.0 19.0 19.0 19.0
4H 6H 8H 12H 2H 3H	18.4 18.3 18.3 18.2 18.4 18.3	18.9 18.8 18.8 18.7	18.7 18.7 18.6 18.6	19.2 19.1 19.1 19.0	19.5 19.5 19.4 19.4	18.4 18.3 18.3 18.2	19.0 18.8 18.8 18.7	18.7 18.7 18.6	19.2 19.1 19.1	19.5 19.5 19.5
6H 8H 12H 2H 3H	18.3 18.3 18.2 18.4 18.3	18.8 18.8 18.7	18.7 18.6 18.6	19.1 19.1 19.0	19.5 19.4 19.4	18.3 18.3 18.2	18.8 18.8 18.7	18.7 18.6	19.1 19.1	19. 19.
2H 3H	18.3 18.2 18.4 18.3	18.8 18.7 19.0	18.6 18.6 18.7	19.1 19.0	19.4 19.4	18.3 18.2	18.8 18.7	18.6	19.1	19.
12H 2H 3H	18.2 18.4 18.3	18.7	18.6 18.7	19.0	19.4	18.2	18.7			
2H 3H	18.4 18.3	19.0	18.7	90790	799392	1530505	1.100.000 Codenation	18.6	19.1	19.
ЗН	18.3			19.2	19.5		122.72.77	-2020000		
	2323	18.8	198		10.0	18.4	18.9	18.7	19.2	19.
ΔH	511750000		10.0	19.1	19.4	18.3	18.8	18.7	19.1	19.
-11	18.2	18.6	18.6	19.0	19.4	18.2	18.6	18.6	19.0	19.
бН	18.1	18.5	18.6	18.9	19.3	18.1	18.5	18.5	18.9	19.
H8	18.1	18.4	18.5	18.8	19.3	18.1	18.4	18.5	18.8	19.
12H	18.0	18.3	18.5	18.8	19.2	18.0	18.3	18.5	18.8	19.
4H	18.1	18.4	18.5	18.8	19.3	18.1	18.4	18.5	18.8	19.
6H	18.0	18.3	18.5	18.7	19.2	18.0	18.3	18.5	18.7	19.
HS	18.0	18.2	18.4	18.7	19.2	18.0	18.2	18.4	18.7	19.
12H	17.9	18.1	18.4	18.6	19.1	17.9	18.1	18.4	18.6	19.
4H	18.0	18.3	18.5	18.8	19.2	18.0	18.3	18.5	18.8	19.
бН	18.0	18.2	18.4	18.7	19.2	18.0	18.2	18.4	18.7	19.
H8	17.9	18.1	18.4	18.6	19.1	17.9	18.1	18.4	18.6	19.
ns wi	th the ob	oserverp	noitieo	at spacin	g:					
.0H		3	.3 / -5	.7			3	.3 / -5.	.7	
.5H		5	.8 / -9	2			5	.8 / -9.	2	
1	BH BH IS WI	3H 18.0 3H 17.9 Is with the ol 0H 5H	3H 18.0 18.2 3H 17.9 18.1 19 with the observer p 0H 3 5H 5	3H 18.0 18.2 18.4 17.9 18.1 18.4 19 with the observer position and t	3H 18.0 18.2 18.4 18.7 3H 17.9 18.1 18.4 18.6 19 with the observer position at spacin 0H 3.3 / -5.7 5H 5.8 / -9.2	3H 18.0 18.2 18.4 18.7 19.2 3H 17.9 18.1 18.4 18.6 19.1 39 with the observer position at spacing: 3.3 / -5.7 5H 5.8 / -9.2	3H 18.0 18.2 18.4 18.7 19.2 18.0 17.9 18.1 18.4 18.6 19.1 17.9 18.1 18.4 18.6 19.1 17.9 18.0 19.1 17.9 19.2 18.0 19.1 17.9 19.2 19.2 19.2 19.2 19.2 19.2 19.2 19	3H 18.0 18.2 18.4 18.7 19.2 18.0 18.2 17.9 18.1 18.4 18.6 19.1 17.9 18.1 18.4 18.6 19.1 17.9 18.1 18.1 19.2 17.9 18.1 19.2 17.9 18.1 19.2 19.3 19.3 19.3 19.3 19.3 19.3 19.3 19.3	3H 18.0 18.2 18.4 18.7 19.2 18.0 18.2 18.4 18.6 19.1 17.9 18.1 18.4 18.6 19.1 17.9 18.1 18.4 18.6 19.1 17.9 18.1 18.4 18.6 19.1 17.9 18.1 18.4 18.4 18.6 19.1 17.9 18.1 18.4 18.4 19.5 19.5 19.5 19.5 19.5 19.5 19.5 19.5	3H 18.0 18.2 18.4 18.7 19.2 18.0 18.2 18.4 18.7 19.2 17.9 18.1 18.4 18.6 19.1 17.9 18.1 18.4 18.6 19.1 17.9 18.1 18.4 18.6 19.1 17.9 18.1 18.4 18.6 19.1 17.9 18.1 18.4 18.6 19.1 17.9 18.1 18.4 18.6 19.1 17.9 18.1 18.4 18.6 19.1 17.9 18.1 18.4 18.6 19.1 17.9 18.1 18.4 18.6 19.1 17.9 18.1 18.4 18.6 19.1 17.9 18.1 18.4 18.6 19.1 17.9 18.1 18.4 18.6 19.1 18.4 18.6 19.1 17.9 18.1 18.4 18.7 18.6 19.1 18.1 18.4 18.7 19.1 18.1 18.4 18.7 19.1 18.1 18.4 18.6 19.1 18.1 18.4 18.6 19.1 18.1 18.4 18.6 19.1 18.1 18.1 18.4 18.6 19.1 18.1 18.1 18.4 18.6 19.1 18.1 18.1 18.4 18.6 19.1 18.1 18.1 18.4 18.6 19.1 18.1 18.1 18.4 18.6 19.1 18.1 18.1 18.4 18.6 19.1 18.1 18.1 18.4 18.6 19.1 18.1 18.1 18.4 18.6 19.1 18.1 18.1 18.4 18.6 19.1 18.1 18.1 18.4 18.6 19.1 18.1 18.1 18.4 18.6 19.1 18.1 18.1 18.4 18.6 19.1 18.1 18.1 18.4 18.6 19.1 18.1 18.1 18.1 18.1 18.1 18.1 18.1