Design iGuzzini

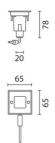
iGuzzini

Last information update: May 2018

small body with swivel optic ±7°- 3100K

Product code BB48

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## Technical description

Luminaire designed to use white LEDs for illumination purposes that can be recessed, wall-mounted, applied to the floor or into a garden. It is made up of main body, closing glass, frame and outer casing (upon request). The small square body is made of high-resistance plastic material. The AISI 304-stainless-steel frame is 2.5 mm thick. It has two AISI 304-stainless-steel captive screws (used to anchor the body to the outer casing) and welded stud bolts. The outer casing used for installation must be ordered separately from the optical assembly. It is made of either painted cast aluminium (wall or floor application) or plastic material (garden installation). The optical assembly is closed at the top by a transparent hardened sodium-lime glass 8 mm thick. Black silicone rubber gaskets ensure perfect tightness. The body is fixed to the frame/glass unit by means of turned elements in stainless steel AISI 304. The product comes complete with antiglare spill rings in thermoplastic material and plastic lenses with 10° cones. An AISI-304 stainless-steel cable clamp M14x1 is used on the wiring system. The product comes complete with power supply cable L = 300 mm type H05RN-F 2x1 mm<sup>2</sup>. The power supply cable includes an anti-transpiration device. The product can be inclined around the horizontal axis by  $\pm 7^{\circ}$  and can rotate around the vertical axis by  $355^{\circ}$ . The unit made up of frame, glass, optical assembly and outer casing ensures resistance to 1000-kg static load (500 Kg in the version with plastic outer casing) in compliance with Standard EN60598-2-13. The LEDs are controlled by means of Effect Equalizer. Maximum glass surface temperature is lower than  $40^{\circ}$ C.All external screws are made of stainless steel AISI 304.

#### Installation

Recessed application by means of an outer casing for embedding (to be ordered separately). The outer casing is available in the 100-mm painted cast-aluminium version complete with end cap (application to the wall or into the ground) or in the 150-mm plastic version (garden installation).

Dimension (mm) 65x65x78

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Colour Steel (13)

Weight (Kg) 0.21

0.21

#### Mounting

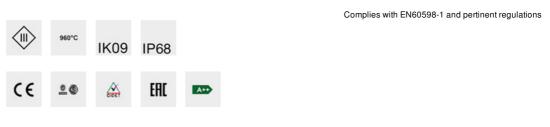
wall recessed|ground recessed

## Wiring

The product comes complete with an outgoing power-supply cord (L = 300 mm) H05RNF 2x1 mm<sup>2</sup> type and an electronic plate with LED 4V DC.Power supply only with code 9913 to ordered separately.

### Notes

Fitting complete with lamp. Cool white (6700K), green and amber colours available upon request.



#### Product configuration: BB48

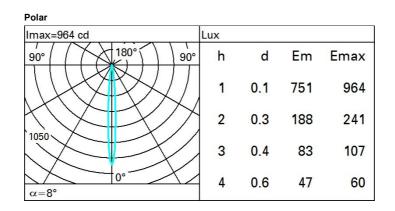
#### Product characteristics

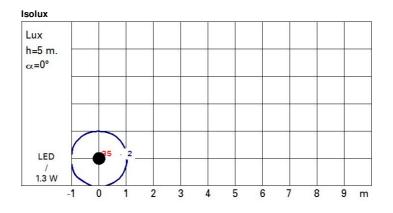
Total lighting output [Lm]: 43 Total power [W]: 1.3 Luminous efficacy [Lm/W]: 33.1 Life Time: 84,000h - L80 - B10 (Ta 25°C) Number of optical assemblies: 1

## Optical assembly Characteristics Type 1

Light Output Ratio (L.O.R.) [%]: 54 Lamp code: LED ZVEI Code: LED Nominal power [W]: 1 Nominal luminous [Lm]: 80 Lamp maximum intensity [cd]: / Beam angle [°]: 8° Total luminous flux at or above an angle of 90° [Lm]: 0 Emergency luminous flux [Lm]: / Voltage [V]: 4 Ambient temperature range: from -20°C to +35°C.

Number of lamps for optical assembly: 1 Socket: / Ballast losses [W]: 0.3 Colour temperature [K]: 3000 CRI: 80 Wavelength [Nm]: / MacAdam Step: 3





# UGR diagram

Rifled	ct.:										
ceil/cav walls work pl. Room dim		0.70	0.70	0.50	0.50	0.30	0.70	0.70	0.50	0.50	0.30
		0.50	0.30	0.50	0.30	0.30	0.50 0.20	0.30	0.50 0.20 viewed	0.30	0.30
		x	У	crosswise						endwise	
2H	2H	2.3	4.2	2.6	4.5	4.8	2.3	4.2	2.6	4.5	4.8
	ЗН	2.2	3.3	2.5	3.6	4.0	2.2	3.3	2.5	3.6	4.0
	4H	2.1	3.0	2.5	3.3	3.6	2.1	3.0	2.5	3.3	3.6
	6H	2.1	2.7	2.5	3.0	3.4	2.1	2.7	2.5	3.0	3.4
	8H	2.0	2.8	2.4	3.1	3.4	2.0	2.8	2.4	3.1	3.4
	12H	1.9	2.8	2.3	3.2	3.5	1.9	2.8	2.3	3.2	3.5
4H	2H	2.1	3.0	2.5	3.3	3.6	2.1	3.0	2.5	3.3	3.6
	ЗH	1.9	2.8	2.3	3.2	3.5	1.9	2.8	2.3	3.2	3.5
	4H	1.7	2.9	2.1	3.3	3.7	1.7	2.9	2.1	3.3	3.7
	6H	1.4	3.1	1.9	3.6	4.0	1.4	3.1	1.9	3.6	4.0
	BH	1.3	3.1	1.8	3.6	4.1	1.3	3.1	1.8	3.6	4.1
	12H	1.2	3.0	1.7	3.5	4.0	1.2	3.0	1.7	3.5	4.0
вн	4H	1.3	3.1	1.8	3.6	4.1	1.3	3.1	1.8	3.6	4.1
	6H	1.2	2.8	1.7	3.2	3.8	1.2	2.8	1.7	3.2	3.8
	H8	1.3	2.5	1.8	2.9	3.5	1.3	2.5	1.8	2.9	3.5
	12H	1.4	2.1	1.9	2.6	3.1	1.4	2.1	1.9	2.6	3.1
12H	4H	1.2	3.0	1.7	3.5	4.0	1.2	3.0	1.7	3.5	4.0
	6H	1.3	2.5	1.8	2.9	3.5	1.3	2.5	1.8	2.9	3.5
	8H	1.4	2.1	1.9	2.6	3.1	1.4	2.1	1.9	2.6	3.1
Varia	tions wi	th the ol	bserverp	osition	at spacir	ng:	100				
S =	1.0H	0.9 / -2.8					0.9 / -2.8				
	1.5H	2.3 / -9.8					2.3 / -9.8				
	2.0H	2.8 / -12.8					2.8 / -12.8				