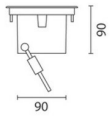
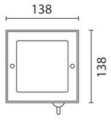
Ledplus

Design iGuzzini **iGuzzini**

Last information update: October 2023

Product configuration: BB50
BB50: large body with swivel optic ±10°- 3100K





Product code
BB50: large body with swivel optic ±10°- 3100K **Attention! Code no longer in production**

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 large 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 10 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.A stainless-steel cable clamp PG11 is used on the wiring system. The product comes complete with power supply cable L = 300 mm type H05RN-F 2x1 mm². The power supply cable includes an anti-transpiration device.The product can be inclined around the horizontal axis by ±10° and can rotate around the vertical axis by 355°.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°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).

Colour
Steel (13)

Mounting
wall recessed|ground recessed

Notes
Fitting complete with lamp and electronic power supply. Cool white (6700K), green, red and amber colours available upon request.

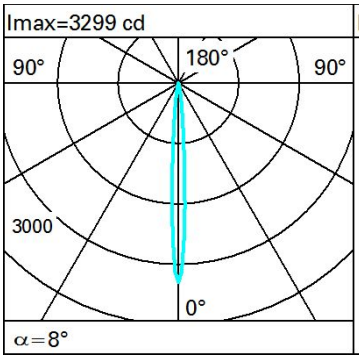
Complies with EN60598-1 and pertinent regulations

960°C IK10 IP67 pending

Technical data

lm system:	104	Colour temperature [K]:	3000
W system:	4.7	MacAdam Step:	3
lm source:	240	Life Time LED 1:	66,000h - L80 - B10 (Ta 25°C)
W source:	3	Ballast losses [W]:	1.7
Luminous efficiency (lm/W, real value):	22.2	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.) [%]:	43	Number of optical assemblies:	1
Beam angle [°]:	8°	Intervallo temperatura ambiente:	from -20°C to +35°C.
CRI:	80		

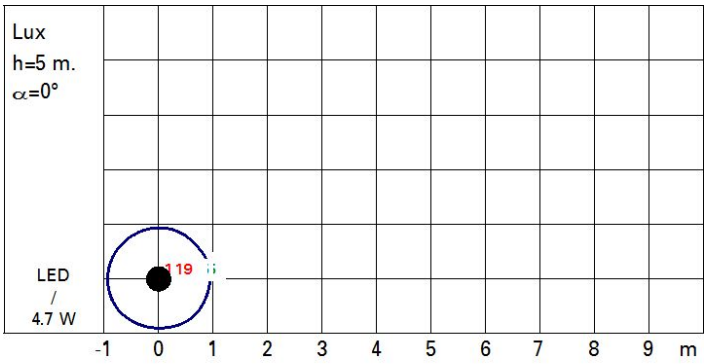
Polar



Lux

h	d	Em	Emax
2	0.3	602	825
4	0.6	150	206
6	0.8	67	92
8	1.1	38	52

Isolux



UGR diagram

Corrected UGR values (at 252 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	-6.3	-4.3	-6.0	-4.0	-3.7	-6.3	-4.3	-6.0	-4.0	-3.7
	3H	-6.4	-5.2	-6.1	-4.9	-4.6	-6.3	-5.2	-6.0	-4.9	-4.6
	4H	-6.4	-5.6	-6.1	-5.3	-5.0	-6.4	-5.5	-6.0	-5.2	-4.9
	6H	-6.4	-5.9	-6.1	-5.6	-5.3	-6.4	-5.9	-6.0	-5.6	-5.2
	8H	-6.5	-5.9	-6.2	-5.5	-5.2	-6.5	-5.8	-6.1	-5.5	-5.1
	12H	-6.7	-5.8	-6.3	-5.5	-5.1	-6.6	-5.8	-6.2	-5.4	-5.0
4H	2H	-6.4	-5.5	-6.0	-5.2	-4.9	-6.4	-5.6	-6.1	-5.3	-5.0
	3H	-6.6	-5.8	-6.2	-5.4	-5.0	-6.6	-5.8	-6.2	-5.4	-5.0
	4H	-6.9	-5.6	-6.4	-5.2	-4.8	-6.9	-5.6	-6.4	-5.2	-4.8
	6H	-7.2	-5.3	-6.7	-4.9	-4.4	-7.2	-5.3	-6.7	-4.9	-4.4
	8H	-7.3	-5.3	-6.8	-4.9	-4.4	-7.3	-5.3	-6.8	-4.9	-4.4
	12H	-7.3	-5.5	-6.8	-5.0	-4.5	-7.3	-5.5	-6.8	-5.0	-4.5
8H	4H	-7.3	-5.3	-6.8	-4.9	-4.4	-7.3	-5.3	-6.8	-4.9	-4.4
	6H	-7.3	-5.7	-6.8	-5.3	-4.7	-7.3	-5.7	-6.8	-5.3	-4.7
	8H	-7.2	-6.1	-6.7	-5.6	-5.1	-7.2	-6.1	-6.7	-5.6	-5.1
	12H	-7.1	-6.5	-6.6	-6.0	-5.4	-7.1	-6.5	-6.6	-6.0	-5.4
12H	4H	-7.3	-5.5	-6.8	-5.0	-4.5	-7.3	-5.5	-6.8	-5.0	-4.5
	6H	-7.2	-6.1	-6.7	-5.6	-5.1	-7.2	-6.1	-6.7	-5.6	-5.1
	8H	-7.1	-6.5	-6.6	-6.0	-5.4	-7.1	-6.5	-6.6	-6.0	-5.4

Variations with the observer position at spacing:

S =			
1.0H	2.0 / -7.9		2.0 / -7.9
1.5H	2.0 / -6.5		2.0 / -6.5
2.0H	2.8 / -7.6		2.8 / -7.6