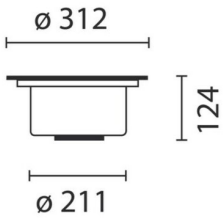
Light Up

Design iGuzzini **iGuzzini**

Last information update: May 2024

Product configuration: B624+L344
B624: Circular recessed luminaire - fixed symmetrical flood optic



Product code
B624: Circular recessed luminaire - fixed symmetrical flood optic **Attention! Code no longer in production**

Technical description
Standing luminaire designed to use metal-halide lamps with fixed flood symmetric optic. It has a round body, an outer casing and a frame. The body is made of cast aluminium and the frame of stainless steel AISI 304. It has a closing hardened glass, a silicone sealing gasket, an antiglare screen for visual comfort and a nickel-plated brass M15x1 cable clamp for connecting the upper assembly to the lower assembly. The lower section houses a decompression box with cascade connection, 6-pole terminal board and double cable clamp M24x1.5 in stainless steel. This makes it easier to open the upper glass by eliminating negative pressure inside the optical assembly and the pump effect on the supply cable. The location and anchoring of the assembly to the outer casing is ensured by 2 stainless-steel screws M6x25 UNI 5931. The outer casing for embedding is made of black reinforced-polypropylene plastic material (to be ordered separately). Resistance to static load up to 3500 Kg. All screws are made of stainless steel (A2). Maximum glass temperature 90° C.

Installation
Recessed into floor or ground.

Colour
Steel (13)

Mounting
ground recessed

Wiring
Electronic control gear.

Notes
Accessories available: suction cup, outer casing and relevant closing plug.

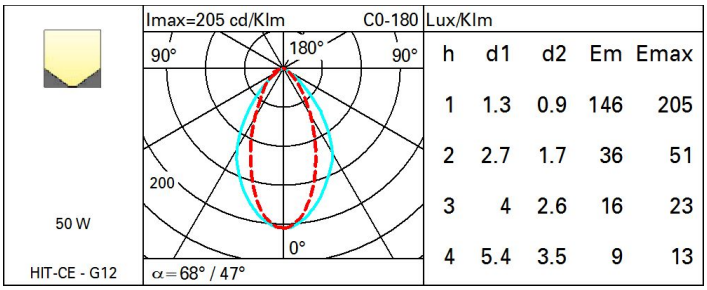
Complies with EN60598-1 and pertinent regulations

960°C IK10 3500 kg IP67 pending

Technical data

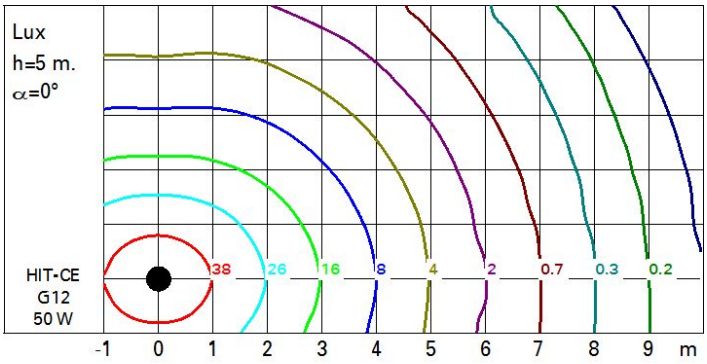
lm system:	1152.4	CRI:	90
W system:	55	Colour temperature [K]:	3000
lm source:	5400	Lamp code:	L344
W source:	50	Socket:	G12
Luminous efficiency (lm/W, real value):	21	Number of lamps for optical assembly:	1
lm in emergency mode:	-	ZVEI Code:	HIT-CE
Total light flux at or above an angle of 90° [Lm]:	0	Number of optical assemblies:	1
Light Output Ratio (L.O.R.) [%]:	21	Intervallo temperatura ambiente:	from -20°C to +35°C.
Beam angle [°]:	68° / 47°		

Polar



h	d1	d2	Em	Emax
1	1.3	0.9	146	205
2	2.7	1.7	36	51
3	4	2.6	16	23
4	5.4	3.5	9	13

Isolux



UGR diagram

Photometric curve code: B6210000.000
Uncorrected UGR values (at 1000 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	11.2	12.1	11.5	12.3	12.6	8.5	9.3	8.8	9.6	9.8
	3H	11.1	11.9	11.5	12.2	12.5	8.5	9.3	8.9	9.6	9.9
	4H	11.1	11.8	11.4	12.1	12.4	8.5	9.2	8.8	9.5	9.8
	6H	11.0	11.6	11.4	12.0	12.3	8.4	9.0	8.8	9.4	9.7
	8H	11.0	11.6	11.3	11.9	12.3	8.4	9.0	8.7	9.3	9.7
	12H	10.9	11.5	11.3	11.9	12.2	8.3	8.9	8.7	9.3	9.6
4H	2H	11.1	11.8	11.5	12.1	12.5	8.4	9.1	8.7	9.4	9.7
	3H	11.1	11.7	11.5	12.0	12.4	8.4	9.0	8.8	9.4	9.7
	4H	11.0	11.5	11.4	11.9	12.3	8.4	8.9	8.8	9.3	9.7
	6H	11.0	11.4	11.4	11.8	12.2	8.3	8.7	8.7	9.1	9.6
	8H	10.9	11.3	11.4	11.7	12.2	8.3	8.7	8.7	9.1	9.5
	12H	10.9	11.2	11.3	11.7	12.1	8.2	8.6	8.7	9.0	9.5
8H	4H	10.9	11.4	11.4	11.8	12.2	8.3	8.7	8.7	9.1	9.5
	6H	10.9	11.2	11.3	11.6	12.1	8.2	8.5	8.6	9.0	9.4
	8H	10.8	11.1	11.3	11.6	12.1	8.1	8.4	8.6	8.9	9.4
	12H	10.8	11.0	11.3	11.5	12.0	8.1	8.3	8.6	8.8	9.3
12H	4H	10.9	11.3	11.4	11.7	12.2	8.2	8.6	8.7	9.0	9.5
	6H	10.8	11.1	11.3	11.6	12.1	8.1	8.4	8.6	8.9	9.4
	8H	10.8	11.0	11.3	11.5	12.0	8.1	8.3	8.6	8.8	9.3

Variations with the observer position at spacing:

S =	1.0H	1.8 / -3.5	2.3 / -3.5
	1.5H	4.1 / -6.7	3.4 / -6.3
	2.0H	6.0 / -11.3	5.1 / -9.3