

Last information update: May 2024

**Product configuration: BD69**

BD69: Neutral White - Wall Grazing Optic

**Product code**BD69: Neutral White - Wall Grazing Optic **Attention! Code no longer in production****Technical description**

Direct light luminaire designed to use LED lamps. Monochrome version complete with 28x1W Neutral White (4200K) multi-LED plate, optic with plastic lenses, elliptical version. Complete with lamp and equipped with electronic power supply. Consists of a body made of extruded aluminium, with dual phosphorous – chromium plating of the base metal, passivation at 120°C and with die-cast aluminium end caps complete with 50/60 Shore A silicone seals, subjected to post-cooling treatment at 200° C. Painted with liquid acrylic paint highly resistant to atmospheric agents and UV rays, curing at 150°C. The top of the optical assembly is closed by a 4 mm thick, semi-acid finished, tempered sodium – calcium glass screen, fixed with silicone. Outer casing for installation made of aluminium with technopolymer covers, to be ordered separately. Set up for wiring to pass through two PG11 nickel - plated brass cable clamps suitable for cables with ø 6.5 – 11 mm housed in a suitable box made of thermoplastic material and fastened to the assembly. All external screws are made of A2 stainless steel.

**Installation**

Ground-, wall- and ceiling-recessed using the outer casing, to be ordered separately.

**Colour**

Grey (15)

**Mounting**

wall recessed|ceiling recessed|ground recessed

**Wiring**

Electronic control gear housed in the luminaire, 220 - 240V 50 - 60Hz.

**Notes**

21x1W (L=942 mm) version available upon request. Accessories available: microperforated screen, coloured filters, outer casing and safety cables for ceiling- and wall-mounting.

Complies with EN60598-1 and pertinent regulations

**Technical data**

lm system:	1324	CRI:	75
W system:	37.2	Colour temperature [K]:	4200
lm source:	2524	MacAdam Step:	4
W source:	32	Life Time LED 1:	50,000h - L70 - B20 (Ta 25°C)
Luminous efficiency (lm/W, real value):	35.6	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.) [%]:	52	Number of optical assemblies:	1
Beam angle [°]:	10° / 48°	Intervallo temperatura ambiente:	from -20°C to +35°C.

**Polar**

Lux											Wall distance = 1m											
3																						
	0.4	0.8	2	6	14	35	14	6	2	0.8	0.4											
2	0.8	2	3	9	22	60	22	9	3	2	0.8											
	0.9	2	4	11	28	135	28	11	4	2	0.9											
1	1	2	5	11	32	174	32	11	5	2	1											
	1	3	5	11	32	151	32	11	5	3	1											
0																						
	m	-2	-1	0	1	2	3															

Figure 1 is a grid showing the distribution of light intensity (Lux) and wall distance (m) for a point source at a distance of 1m. The grid is 5m wide and 3m high. The top row shows Lux values (0.4, 0.8, 2, 6, 14, 35, 14, 6, 2, 0.8, 0.4) and the bottom row shows wall distance values (m, -2, -1, 0, 1, 2, 3). The grid is divided into four quadrants by the central vertical axis (m=0) and the central horizontal axis (Lux=35).

Distance from wall (m)	Illuminance (Lux)
-3	0.4
-2	0.8
-1	2
0	35
1	6
2	0.8
3	0.4