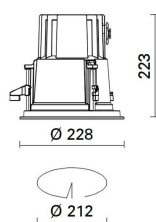


Last information update: April 2024

**Product configuration: BV37**

BV37: Ceiling-mounted recessed luminaire with IP66 protection rating, large body, Warm White COB Leds, fixed Spot Optic

**Product code**

BV37: Ceiling-mounted recessed luminaire with IP66 protection rating, large body, Warm White COB Leds, fixed Spot Optic

**Technical description**

Downlighter designed to use warm white COB Led lamps with a fixed Spot optic. Consists of a round optical assembly, frame, output cable, and outer casing, to be ordered separately where necessary. The optical assembly and frame are made of EN1706AC 46100LF aluminium alloy and subjected to a multi-step, pre-treatment process, in which the main phases are degreasing, fluorozirconation (a protective surface film) and sealing (with a nano-structured silane layer). The next painting stage consists of a primer and a liquid acrylic paint, cured at 150°C, with a high level of weather and UV ray resistance. The tempered sodium-calcium sealing glass is transparent, with customised serigraphy on the edge, 4mm thick, joined to the frame with silicone. Complete with monochrome Warm White COB LED circuit and an optic with a 99.93% polished super-pure aluminium reflector with a polished, anodized surface and built-in electronic ballast. Supplied with an output cable L=1m long. Ceiling-mounting system consists of special A2 stainless steel screws complete with black aluminium alloy and plastic coupling supports. The frame comes complete with A2 stainless steel captive screws. There is a single tool (No. 3 Allen key) for opening the frame and for the fixing system. The outer casing for concrete ceilings is made of black-painted ready-galvanised sheet aluminium complete with an end cap and threaded bar, to be ordered separately. All external screws used are made of A2 stainless steel.

**Installation**

Recessed in false ceilings 5 - 60mm thick. Hole for preparation of false ceiling  $\varnothing=212\text{mm}$ . Installed on concrete ceilings using an outer casing, to be ordered separately.

**Colour**

Grey (15)

**Weight (Kg)**

3.1

**Mounting**

ceiling recessed

**Wiring**

Control gear complete with electronic ballast (220÷240Vac 50/60Hz)

**Notes**

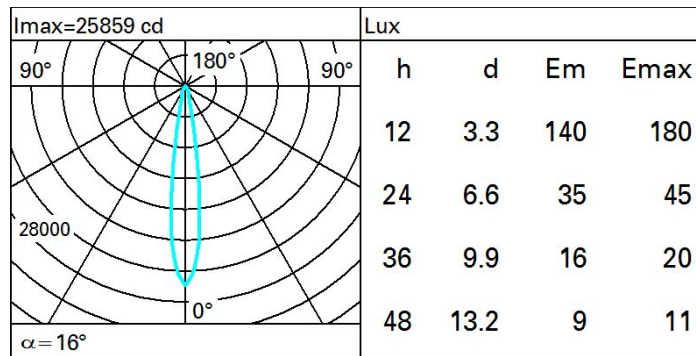
Plastic adapter disk available for flush-mounting the frame on ceilings made of concrete exposed to view (can only be used with the product with aluminium frame, without the stainless cover). Products set up for installation of a stainless steel safety kit L=2000mm.

Complies with EN60598-1 and pertinent regulations

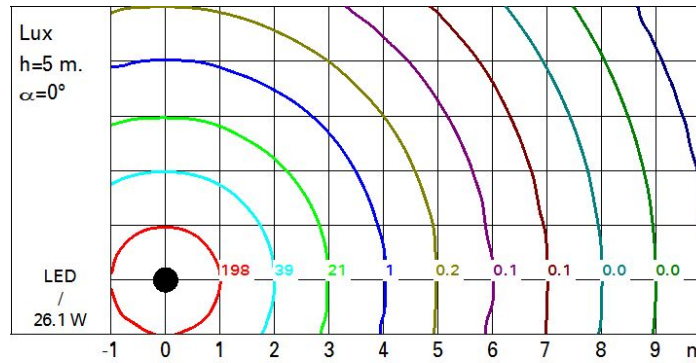
**Technical data**

Im system:	2992	MacAdam Step:	2
W system:	26.1	Life Time LED 1:	100,000h - L90 - B10 (Ta 25°C)
Im source:	3740	Lamp code:	LED
W source:	23	Number of lamps for optical assembly:	1
Luminous efficiency (Im/W, real value):	114.5	ZVEI Code:	LED
Im in emergency mode:	-	Number of optical assemblies:	1
Total light flux at or above an angle of 90° [Lm]:	0	Intervallo temperatura ambiente:	from -30°C to 35°C.
Light Output Ratio (L.O.R.) [%]:	80	Power factor:	See installation instructions
Beam angle [°]:	16°	Inrush current:	20 A / 275 µs
CRI (minimum):	80	Maximum number of luminaires of this type per miniature circuit breaker:	B10A: 16 luminaires B16A: 26 luminaires C10A: 27 luminaires C16A: 44 luminaires
Colour temperature [K]:	3000	Overvoltage protection:	2kV Common mode & 1kV Differential mode

# Polar



# Isolux



# UGR diagram

Corrected UGR values (at 3740 lm bare lamp luminous flux)											
Reflect.:		viewed crosswise					viewed endwise				
ceiling	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	9.5	11.5	9.9	11.8	12.1	9.5	11.5	9.9	11.8	12.1
	3H	9.5	10.8	9.8	11.1	11.4	9.4	10.8	9.8	11.1	11.4
	4H	9.4	10.5	9.8	10.8	11.1	9.4	10.5	9.8	10.8	11.1
	6H	9.4	10.2	9.7	10.6	10.9	9.3	10.2	9.7	10.5	10.9
	8H	9.3	10.2	9.7	10.6	10.9	9.3	10.2	9.7	10.5	10.9
	12H	9.2	10.2	9.6	10.6	11.0	9.2	10.2	9.6	10.6	10.9
4H	2H	9.4	10.5	9.8	10.8	11.1	9.4	10.5	9.8	10.8	11.1
	3H	9.2	10.2	9.6	10.6	11.0	9.2	10.2	9.6	10.6	11.0
	4H	9.1	10.2	9.5	10.6	11.0	9.1	10.2	9.5	10.6	11.0
	6H	8.8	10.4	9.3	10.8	11.3	8.8	10.4	9.3	10.8	11.3
	8H	8.7	10.4	9.2	10.9	11.4	8.7	10.4	9.2	10.9	11.4
	12H	8.6	10.4	9.1	10.9	11.4	8.6	10.4	9.1	10.9	11.4
8H	4H	8.7	10.4	9.2	10.9	11.4	8.7	10.4	9.2	10.9	11.4
	6H	8.6	10.2	9.1	10.7	11.2	8.6	10.2	9.1	10.7	11.2
	8H	8.6	9.9	9.1	10.4	10.9	8.6	9.9	9.1	10.4	10.9
	12H	8.8	9.5	9.3	10.0	10.6	8.8	9.5	9.3	10.0	10.6
12H	4H	8.6	10.4	9.1	10.9	11.4	8.6	10.4	9.1	10.9	11.4
	6H	8.6	9.9	9.1	10.4	10.9	8.6	9.9	9.1	10.4	10.9
	8H	8.8	9.5	9.3	10.0	10.6	8.8	9.5	9.3	10.0	10.6
Variations with the observer position at spacing:											
S =		1.0H	6.6 / -11.0				6.6 / -11.0				
		1.5H	9.4 / -11.5				9.4 / -11.5				
		2.0H	11.4 / -11.8				11.4 / -11.8				