iRound

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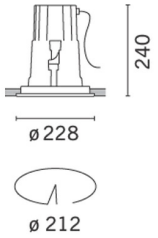
Last information update: May 2024

Product configuration: BV35
BV35: Ceiling-mounted recessed luminaire with IP66 protection rating, large body, Warm White COB Leds, adjustable Spot Optic



Product code
BV35: Ceiling-mounted recessed luminaire with IP66 protection rating, large body, Warm White COB Leds, adjustable Spot Optic
Attention! Code no longer in production

Technical description
Downlighter designed to use warm white COB Led lamps with an adjustable 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. Adjustable optic: ±20° about the vertical axis and 180° about the horizontal plane. The adjustable versions have a system for aiming the optic using a tool even when the lamp is on, and a black-painted aluminium multi-groove ring. 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 ø=212mm. Installed on concrete ceilings using an outer casing, to be ordered separately.

Colour
Grey (15)

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.

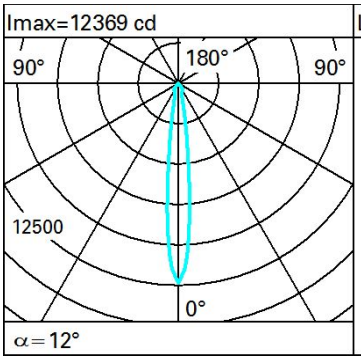
Complies with EN60598-1 and pertinent regulations

IK07 IP66 pending

Technical data

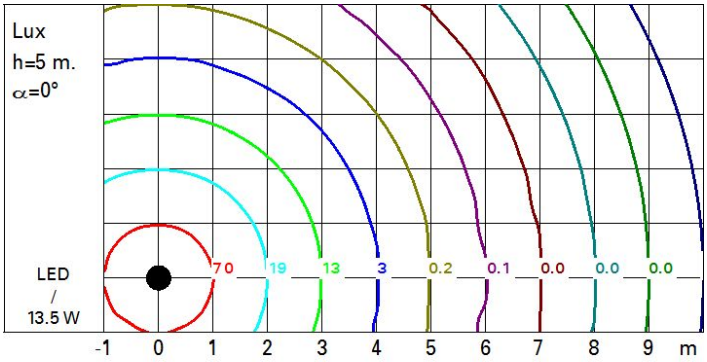
lm system:	1373	Colour temperature [K]:	3000
W system:	13.5	MacAdam Step:	2
lm source:	1760	Life Time LED 1:	100,000h - L80 - B10 (Ta 25°C)
W source:	11	Life Time LED 2:	70,000h - L80 - B10 (Ta 40°C)
Luminous efficiency (lm/W, real value):	101.7	Lamp code:	LED
lm in emergency mode:	-	Number of lamps 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.) [%]:	78	Number of optical assemblies:	1
Beam angle [°]:	12°	Intervallo temperatura ambiente:	from -20°C to +35°C.
CRI (minimum):	80		

Polar



Lux			
h	d	Em	Emax
8	1.7	153	193
16	3.4	38	48
24	5	17	21
32	6.7	10	12

Isolux



UGR diagram

Corrected UGR values (at 1760 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	12.7	14.4	13.0	14.7	15.0	12.7	14.4	13.0	14.7	15.0
	3H	12.6	13.7	12.9	14.0	14.3	12.6	13.7	12.9	14.0	14.3
	4H	12.5	13.5	12.9	13.8	14.1	12.5	13.5	12.9	13.8	14.1
	6H	12.4	13.3	12.8	13.7	14.0	12.4	13.3	12.8	13.7	14.0
	8H	12.3	13.3	12.7	13.7	14.0	12.3	13.3	12.7	13.7	14.0
	12H	12.3	13.3	12.7	13.7	14.0	12.3	13.3	12.7	13.7	14.0
4H	2H	12.5	13.5	12.9	13.8	14.1	12.5	13.5	12.9	13.8	14.1
	3H	12.3	13.3	12.7	13.7	14.0	12.3	13.3	12.7	13.7	14.0
	4H	12.1	13.2	12.5	13.6	14.1	12.1	13.2	12.5	13.6	14.1
	6H	11.9	13.3	12.4	13.7	14.2	11.9	13.3	12.4	13.7	14.2
	8H	11.8	13.3	12.3	13.7	14.2	11.8	13.3	12.3	13.7	14.2
	12H	11.7	13.3	12.2	13.8	14.3	11.7	13.3	12.2	13.8	14.3
8H	4H	11.8	13.3	12.3	13.7	14.2	11.8	13.3	12.3	13.7	14.2
	6H	11.7	13.1	12.2	13.6	14.1	11.7	13.1	12.2	13.6	14.1
	8H	11.7	12.8	12.2	13.3	13.8	11.7	12.8	12.2	13.3	13.8
	12H	11.8	12.5	12.3	13.0	13.6	11.8	12.5	12.3	13.0	13.6
12H	4H	11.7	13.3	12.2	13.8	14.3	11.7	13.3	12.2	13.8	14.3
	6H	11.7	12.8	12.2	13.3	13.8	11.7	12.8	12.2	13.3	13.8
	8H	11.8	12.5	12.3	13.0	13.6	11.8	12.5	12.3	13.0	13.6

Variations with the observer position at spacing:

S =			
	1.0H	5.2 / -18.0	5.2 / -18.0
	1.5H	8.0 / -19.6	8.0 / -19.6
	2.0H	10.0 / -19.8	10.0 / -19.8