iRound

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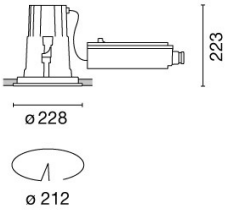
Product configuration: BV43
BV43: Ceiling-mounted recessed luminaire with IP66 protection rating, large body with box, Warm White COB Leds, fixed Flood Optic - Dimm. DALI



Product code
BV43: Ceiling-mounted recessed luminaire with IP66 protection rating, large body with box, Warm White COB Leds, fixed Flood Optic - Dimm. DALI

Technical description
Downlighter designed to use warm white COB Led lamps with a fixed Flood optic. Consists of a round optical assembly, frame, lateral component holder box and an 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 DALI electronic ballast. The lateral component holder box and top end cap are made of high performance black plastic; supplied with a silicone internal seal to guarantee watertightness. The optical assembly and separate lateral box are connected by nickel-plated brass threaded connectors with rubber cable glands for a watertight seal and H05RN-F L=500mm rubber cable. Set up for pass-through wiring using two PG13.5 grey polyamide cable glands, suitable for cables with diameter 8.5÷12.5mm. 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 - 50mm thick. Hole for preparation of false ceiling ø=125mm. Installed on concrete ceilings using an outer casing, to be ordered separately.

Colour	**Weight (Kg)**
Grey (15)	3.5

Mounting
ceiling recessed

Wiring
Control gear complete with dimmable DALI 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

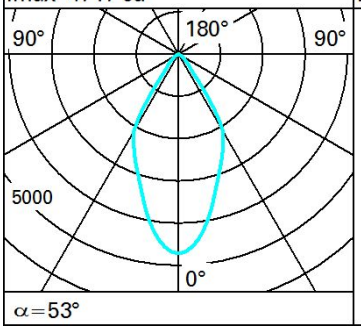
IK07 IP66

Technical data

lm system:	3596	Colour temperature [K]:	3000
W system:	34.1	MacAdam Step:	2
lm source:	4730	Life Time LED 1:	100,000h - L90 - B10 (Ta 25°C)
W source:	30	Lamp code:	LED
Luminous efficiency (lm/W, real value):	105.5	Number of lamps for optical assembly:	1
lm in emergency mode:	-	ZVEI Code:	LED
Total light flux at or above an angle of 90° [Lm]:	0	Number of optical assemblies:	1
Light Output Ratio (L.O.R.) [%]:	76	Intervallo temperatura ambiente:	from -30°C to 35°C.
Beam angle [°]:	54°	Control:	DALI-2
CRI (minimum):	80		

Polar

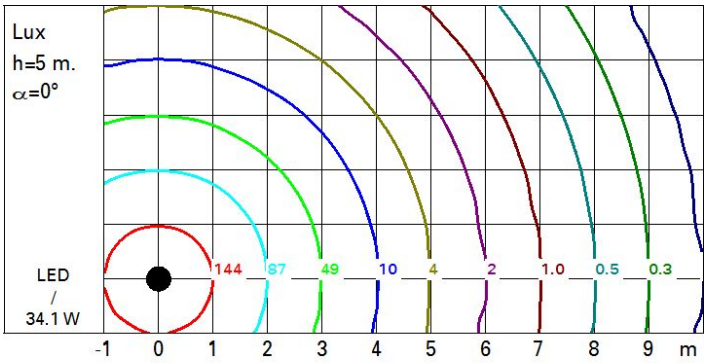
Imax=4717 cd



Lux

h	d	Em	Emax
4	4	203	295
8	8	51	74
12	12	23	33
16	16	13	18

Isolux



UGR diagram

Corrected UGR values (at 4730 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 x	y			viewed crosswise					viewed endwise		
2H	2H	18.8	19.5	19.1	19.7	20.0	18.8	19.5	19.1	19.7	20.0
	3H	18.7	19.4	19.1	19.6	19.9	18.7	19.4	19.0	19.6	19.9
	4H	18.7	19.3	19.0	19.6	19.9	18.7	19.3	19.0	19.6	19.9
	6H	18.6	19.2	19.0	19.5	19.8	18.6	19.1	19.0	19.5	19.8
	8H	18.6	19.1	18.9	19.4	19.8	18.6	19.1	18.9	19.4	19.8
	12H	18.5	19.0	18.9	19.4	19.7	18.5	19.0	18.9	19.4	19.7
4H	2H	18.7	19.3	19.0	19.6	19.9	18.7	19.3	19.0	19.6	19.9
	3H	18.7	19.2	19.0	19.5	19.9	18.7	19.2	19.0	19.5	19.9
	4H	18.6	19.0	19.0	19.4	19.8	18.6	19.0	19.0	19.4	19.8
	6H	18.5	18.9	19.0	19.3	19.7	18.5	18.9	19.0	19.3	19.7
	8H	18.5	18.8	18.9	19.3	19.7	18.5	18.8	18.9	19.3	19.7
	12H	18.4	18.8	18.9	19.2	19.6	18.4	18.8	18.9	19.2	19.6
8H	4H	18.5	18.8	18.9	19.3	19.7	18.5	18.8	18.9	19.3	19.7
	6H	18.4	18.7	18.9	19.1	19.6	18.4	18.7	18.9	19.1	19.6
	8H	18.4	18.6	18.9	19.1	19.6	18.4	18.6	18.9	19.1	19.6
	12H	18.3	18.5	18.8	19.0	19.5	18.3	18.5	18.8	19.0	19.5
12H	4H	18.4	18.8	18.9	19.2	19.6	18.4	18.8	18.9	19.2	19.6
	6H	18.4	18.6	18.8	19.1	19.6	18.4	18.6	18.8	19.1	19.6
	8H	18.3	18.5	18.8	19.0	19.5	18.3	18.5	18.8	19.0	19.5

Variations with the observer position at spacing:

S =			
	1.0H	4.2 / -4.1	4.2 / -4.1
	1.5H	6.7 / -6.4	6.7 / -6.4
	2.0H	8.7 / -8.2	8.7 / -8.2