

Last information update: May 2025

Product configuration: RB38.47RB38.47: 5 - cell Recessed luminaire - LED - Warm white - Incorporated DALI dimmable power supply - Wide Flood optic - 13W
931.5lm - 3500K - CRI 90 - Black / White**Product code**RB38.47: 5 - cell Recessed luminaire - LED - Warm white - Incorporated DALI dimmable power supply - Wide Flood optic - 13W
931.5lm - 3500K - CRI 90 - Black / White**Technical description**

rectangular miniaturised recessed luminaire with 5 optical elements with LED lamps - fixed optics - wide flood beam angle. Main body with die-cast aluminium radiant surface, version with perimeter surface frame. Metallised thermoplastic high definition optics, integrated in a rear position in the black anti-glare screen; the structure of the optical system prevents a pinpoint effect, allowing precise, circular light distribution and emission with controlled glare. Supplied with DALI dimmable electronic control gear connected to the luminaire. Warm white LED

Installation

recessed with steel wire springs for false ceilings from 1 to 25 mm thick - preparation hole 37 x 141

Colour

Black / White (47)

Weight (Kg)

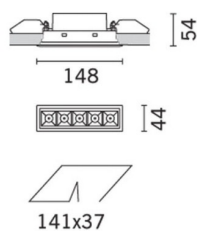
0.29

Mounting

wall recessed|ceiling recessed

Wiring

on control gear box; screw connections with terminal block included



Complies with EN60598-1 and pertinent regulations

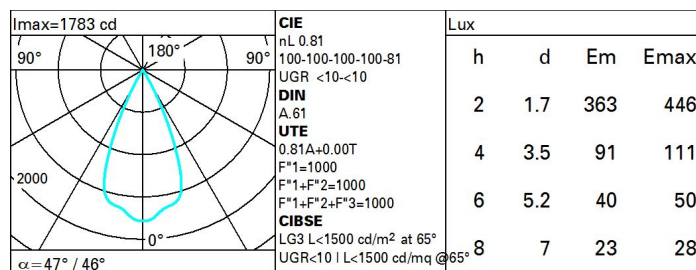


IP20

IP23

On the visible part of
the product once installed**Technical data**

lm system:	932	CRI (typical):	92
W system:	13	Colour temperature [K]:	3500
lm source:	1150	MacAdam Step:	3
W source:	9.9	Life Time LED 1:	> 50,000h - L90 - B10 (Ta 25°C)
Luminous efficiency (lm/W, real value):	71.7	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.) [%]:	81	Number of optical assemblies:	1
Beam angle [°]:	47° / 46°	Control:	DALI-2
CRI (minimum):	90		

Polar

Utilisation factors

R	77	75	73	71	55	53	33	00	DRR
K0.8	73	70	67	65	69	66	66	64	78
1.0	76	73	71	69	72	70	70	67	83
1.5	80	78	76	74	77	75	74	72	89
2.0	83	81	79	78	80	78	78	75	93
2.5	84	83	82	81	82	81	80	78	96
3.0	85	84	83	83	83	82	81	79	98
4.0	86	85	85	84	84	84	82	81	99
5.0	87	86	86	86	85	84	83	81	100

UGR diagram

Corrected UGR values (at 1150 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											
x	y										
2H	2H	0.9	1.4	1.2	1.6	1.8	0.9	1.4	1.2	1.6	1.8
	3H	0.8	1.2	1.1	1.5	1.8	0.8	1.2	1.1	1.5	1.8
	4H	0.7	1.1	1.0	1.4	1.7	0.7	1.1	1.0	1.4	1.7
	6H	0.6	1.0	1.0	1.3	1.6	0.6	1.0	1.0	1.3	1.6
	8H	0.6	1.0	1.0	1.3	1.6	0.6	1.0	1.0	1.3	1.6
	12H	0.6	0.9	0.9	1.2	1.6	0.6	0.9	0.9	1.2	1.6
4H	2H	0.7	1.1	1.0	1.4	1.7	0.7	1.1	1.0	1.4	1.7
	3H	0.6	0.9	0.9	1.2	1.6	0.6	0.9	0.9	1.2	1.6
	4H	0.5	0.8	0.9	1.1	1.5	0.5	0.8	0.9	1.1	1.5
	6H	0.4	0.7	0.8	1.0	1.5	0.4	0.7	0.8	1.0	1.5
	8H	0.3	0.6	0.8	1.0	1.4	0.3	0.6	0.8	1.0	1.4
	12H	0.3	0.5	0.7	0.9	1.4	0.3	0.5	0.7	0.9	1.4
8H	4H	0.3	0.6	0.8	1.0	1.4	0.3	0.6	0.8	1.0	1.4
	6H	0.2	0.4	0.7	0.9	1.4	0.2	0.4	0.7	0.9	1.4
	8H	0.2	0.4	0.7	0.8	1.3	0.2	0.4	0.7	0.8	1.3
	12H	0.1	0.3	0.6	0.8	1.3	0.1	0.3	0.6	0.8	1.3
12H	4H	0.3	0.5	0.7	0.9	1.4	0.3	0.5	0.7	0.9	1.4
	6H	0.2	0.4	0.7	0.8	1.3	0.2	0.4	0.7	0.8	1.3
	8H	0.1	0.3	0.6	0.8	1.3	0.1	0.3	0.6	0.8	1.3
Variations with the observer position at spacing:											
S =		1.0H	0.8	/ -21.9				6.8	/ -21.9		
		1.5H	9.7	/ -22.0				9.7	/ -22.0		
		2.0H	11.7	/ -22.2				11.7	/ -22.2		