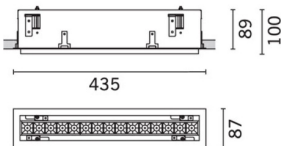
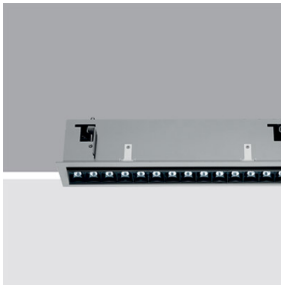


Last information update: April 2025

Product configuration: RB93

RB93: Adjustable 15 - cell Recessed frame - LED - Warm white - DALI dimmable power supply - WideFlood Beam



Product code

RB93: Adjustable 15 - cell Recessed frame - LED - Warm white - DALI dimmable power supply - WideFlood Beam

Technical description

Recessed rectangular luminaire with LEDs. Shaped steel sheet structural compartment with outer rim. The 15 lighting cells linear body, in die-cast aluminium, can be used to direct the emission with a tilting adjustability of +/- 30°. 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 luminance. Supplied with DALI dimmable control gear connected to the luminaire. Warm white LED.

Installation

recessed with mechanical blocking system for false ceilings from 1 to 25 mm; can be installed on ceilings and walls (vertical + horizontal) - preparation slot 80 x 428

Colour

Black / Black (43) | Black / White (47) | Grey / Black (74)*

Weight (Kg)

2.06

* Colours on request

Mounting

wall recessed|ceiling recessed

Wiring

on power box: screw connections

Notes

dimming function with pushbutton (TOUCH DIM/PUSH): for this option consult the instructions included in the package

Complies with EN60598-1 and pertinent regulations



Technical data

Im system:	2754	CRI (typical):	92
W system:	33.5	Colour temperature [K]:	3500
Im source:	3400	MacAdam Step:	3
W source:	30	Life Time LED 1:	> 50,000h - L90 - B10 (Ta 25°C)
Luminous efficiency (lm/W, real value):	82.2	Lamp code:	LED
Im 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

<p>Imax=5272 cd 90° 180° 90° 6000 0° α=47° / 46°</p>	<p>CIE nL 0.81 100-100-100-100-81 UGR <10-<10 DIN A.61 UTE 0.81A+0.00T F*1=1000 F*1+F*2=1000 F*1+F*2+F*3=1000 CIBSE LG3 L<1500 cd/m² at 65° UGR<10 L<1500 cd/mq @65°</p>	Lux			
		h	d	Em	Emax
		2	1.7	1072	1318
		4	3.5	268	330
		6	5.2	119	146
8	7	67	82		

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 3400 lm bare lamp luminous flux)											
Reflect.:											
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					viewed				
x	y	crosswise					endwise				
2H	2H	0.8	1.3	1.1	1.5	1.8	0.8	1.3	1.1	1.5	1.8
	3H	0.7	1.1	1.0	1.4	1.7	0.7	1.1	1.0	1.4	1.7
	4H	0.6	1.0	0.9	1.3	1.6	0.6	1.0	0.9	1.3	1.6
	6H	0.5	0.9	0.9	1.2	1.5	0.5	0.9	0.9	1.2	1.5
	8H	0.5	0.9	0.9	1.2	1.5	0.5	0.9	0.9	1.2	1.5
12H	0.5	0.8	0.8	1.1	1.5	0.5	0.8	0.8	1.1	1.5	
4H	2H	0.6	1.0	0.9	1.3	1.6	0.6	1.0	0.9	1.3	1.6
	3H	0.5	0.8	0.8	1.1	1.5	0.5	0.8	0.8	1.1	1.5
	4H	0.4	0.7	0.8	1.0	1.4	0.4	0.7	0.8	1.0	1.4
	6H	0.3	0.6	0.7	1.0	1.4	0.3	0.6	0.7	1.0	1.4
	8H	0.2	0.5	0.7	0.9	1.3	0.2	0.5	0.7	0.9	1.3
12H	0.2	0.4	0.6	0.8	1.3	0.2	0.4	0.6	0.8	1.3	
8H	4H	0.2	0.5	0.7	0.9	1.3	0.2	0.5	0.7	0.9	1.3
	6H	0.1	0.3	0.6	0.8	1.3	0.1	0.3	0.6	0.8	1.3
	8H	0.1	0.3	0.6	0.7	1.2	0.1	0.3	0.6	0.7	1.2
	12H	0.0	0.2	0.5	0.7	1.2	0.0	0.2	0.5	0.7	1.2
12H	4H	0.2	0.4	0.6	0.8	1.3	0.2	0.4	0.6	0.8	1.3
	6H	0.1	0.3	0.6	0.7	1.2	0.1	0.3	0.6	0.7	1.2
	8H	0.0	0.2	0.5	0.7	1.2	0.0	0.2	0.5	0.7	1.2
Variations with the observer position at spacing:											
S =	1.0H	6.8 / -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				