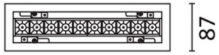
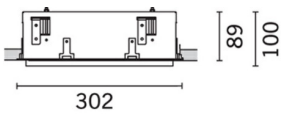
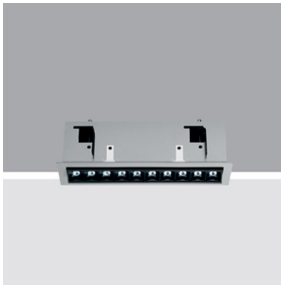


Last information update: April 2025

Product configuration: RB89

RB89: Adjustable 10 - cell Recessed frame - LED - Warm white - Incorporated DALI dimmable power supply - Flood Beam



Product code

RB89: Adjustable 10 - cell Recessed frame - LED - Warm white - Incorporated DALI dimmable power supply - Flood Beam

Technical description

Recessed rectangular luminaire with LEDs. Shaped steel sheet structural compartment with outer rim. The 10 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 295

Colour

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

Weight (Kg)

1.52

* 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:	1823	CRI (typical):	92
W system:	23.2	Colour temperature [K]:	3500
Im source:	2250	MacAdam Step:	3
W source:	20	Life Time LED 1:	> 50,000h - L90 - B10 (Ta 25°C)
Luminous efficiency (lm/W, real value):	78.6	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 [°]:	32°	Control:	DALI-2
CRI (minimum):	90		

Polar

<p>Imax=6122 cd 90° 180° 90° 6000 0° α=32°</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	1.1	1163	1530
		4	2.3	291	383
		6	3.4	129	170
8	4.6	73	96		

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 2250 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	-7.8	-7.3	-7.5	-7.0	-6.8	-7.8	-7.3	-7.5	-7.0	-6.8
	3H	-7.9	-7.4	-7.6	-7.2	-6.9	-7.9	-7.4	-7.6	-7.2	-6.9
	4H	-8.0	-7.5	-7.6	-7.2	-6.9	-8.0	-7.5	-7.6	-7.2	-7.0
	6H	-8.0	-7.6	-7.7	-7.3	-7.0	-8.1	-7.6	-7.7	-7.3	-7.0
	8H	-8.1	-7.7	-7.7	-7.4	-7.0	-8.1	-7.7	-7.7	-7.4	-7.0
	12H	-8.1	-7.7	-7.7	-7.4	-7.0	-8.1	-7.8	-7.8	-7.4	-7.1
4H	2H	-8.0	-7.5	-7.6	-7.2	-7.0	-8.0	-7.5	-7.6	-7.2	-6.9
	3H	-8.1	-7.7	-7.8	-7.4	-7.1	-8.1	-7.7	-7.7	-7.4	-7.1
	4H	-8.2	-7.9	-7.8	-7.5	-7.1	-8.2	-7.9	-7.8	-7.5	-7.1
	6H	-8.3	-8.0	-7.9	-7.6	-7.2	-8.3	-8.0	-7.9	-7.6	-7.2
	8H	-8.3	-8.1	-7.9	-7.6	-7.2	-8.3	-8.1	-7.9	-7.7	-7.2
	12H	-8.4	-8.1	-7.9	-7.7	-7.2	-8.4	-8.2	-7.9	-7.7	-7.3
8H	4H	-8.3	-8.1	-7.9	-7.7	-7.2	-8.3	-8.1	-7.9	-7.6	-7.2
	6H	-8.4	-8.2	-8.0	-7.8	-7.3	-8.4	-8.2	-7.9	-7.7	-7.3
	8H	-8.5	-8.3	-8.0	-7.8	-7.3	-8.5	-8.3	-8.0	-7.8	-7.3
	12H	-8.5	-8.3	-8.0	-7.8	-7.3	-8.5	-8.3	-8.0	-7.9	-7.3
12H	4H	-8.4	-8.2	-7.9	-7.7	-7.3	-8.4	-8.1	-7.9	-7.7	-7.2
	6H	-8.5	-8.3	-8.0	-7.8	-7.3	-8.4	-8.2	-8.0	-7.8	-7.3
	8H	-8.5	-8.3	-8.0	-7.9	-7.3	-8.5	-8.3	-8.0	-7.8	-7.3
Variations with the observer position at spacing:											
S =	1.0H	6.7 / -11.6					6.7 / -11.6				
	1.5H	9.6 / -12.2					9.6 / -12.2				
	2.0H	11.5 / -12.6					11.5 / -12.6				