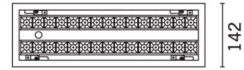
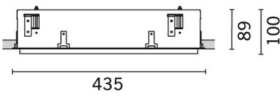
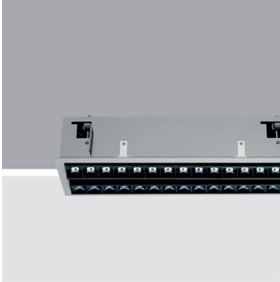


Last information update: April 2025

**Product configuration: RB99**

RB99: Adjustable 2 x 15 - cell Recessed frame - LED - Warm white - DALI dimmable power supply - WideFlood Beam



**Product code**

RB99: Adjustable 2 x 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 two linear elements with 15 lighting cells, in die-cast aluminium and independently adjustable, 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 glare. 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 135 x 428

**Colour**

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

**Weight (Kg)**

3.36

\* Colours on request

**Mounting**

wall recessed|ceiling recessed

**Wiring**

On power box: screw and quick release connections. The product is fitted with a separate control gear for each lighting body; possibility of separate switching

**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**

lm system:	5346	CRI (typical):	92
W system:	67.3	Colour temperature [K]:	3500
lm source:	3300	MacAdam Step:	3
W source:	29	Life Time LED 1:	> 50,000h - L90 - B10 (Ta 25°C)
Luminous efficiency (lm/W, real value):	79.4	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:	2
Beam angle [°]:	47° / 46°	Control:	DALI-2
CRI (minimum):	90		

**Polar**

	<b>Imax=5117 cd</b> 90° 180° 90° 4500 0° α = 47° / 46°	<b>CIE</b> nL 0.81 100-100-100-100-81 UGR <10-<10 <b>DIN</b> A.61 <b>UTE</b> 0.81A+0.00T F*1=1000 F*1+F*2=1000 F*1+F*2+F*3=1000 <b>CIBSE</b> LG3 L<1500 cd/m² at 65° UGR<10   L<1500 cd/mq @65°	<b>Lux</b> h d Em Emax 2 1.7 1041 1279 4 3.5 260 320 6 5.2 116 142 8 7 65 80
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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 3300 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	0.7	1.2	1.0	1.4	1.6	0.7	1.2	1.0	1.4	1.6
	3H	0.6	1.0	0.9	1.3	1.6	0.6	1.0	0.9	1.3	1.6
	4H	0.5	0.9	0.8	1.2	1.5	0.5	0.9	0.8	1.2	1.5
	6H	0.4	0.8	0.8	1.1	1.4	0.4	0.8	0.8	1.1	1.4
	8H	0.4	0.8	0.8	1.1	1.4	0.4	0.8	0.8	1.1	1.4
12H	0.4	0.7	0.7	1.0	1.4	0.4	0.7	0.7	1.0	1.4	
4H	2H	0.5	0.9	0.8	1.2	1.5	0.5	0.9	0.8	1.2	1.5
	3H	0.4	0.7	0.7	1.0	1.4	0.4	0.7	0.7	1.0	1.4
	4H	0.3	0.6	0.7	0.9	1.3	0.3	0.6	0.7	0.9	1.3
	6H	0.2	0.5	0.6	0.8	1.3	0.2	0.5	0.6	0.8	1.3
	8H	0.1	0.4	0.6	0.8	1.2	0.1	0.4	0.6	0.8	1.2
12H	0.1	0.3	0.5	0.7	1.2	0.1	0.3	0.5	0.7	1.2	
8H	4H	0.1	0.4	0.6	0.8	1.2	0.1	0.4	0.6	0.8	1.2
	6H	0.0	0.2	0.5	0.7	1.2	0.0	0.2	0.5	0.7	1.2
	8H	-0.0	0.2	0.5	0.6	1.1	-0.0	0.2	0.5	0.6	1.1
	12H	-0.1	0.1	0.4	0.6	1.1	-0.1	0.1	0.4	0.6	1.1
12H	4H	0.1	0.3	0.5	0.7	1.2	0.1	0.3	0.5	0.7	1.2
	6H	-0.0	0.2	0.5	0.6	1.1	-0.0	0.2	0.5	0.6	1.1
	8H	-0.1	0.1	0.4	0.6	1.1	-0.1	0.1	0.4	0.6	1.1
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				