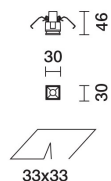
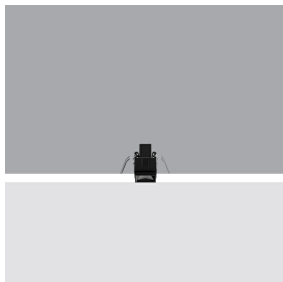


Last information update: May 2025

**Product configuration: RB51**

RB51: Minimal 1 cell - Flood - LED

**Product code**

RB51: Minimal 1 cell - Flood - LED

**Technical description**

Square miniaturised recessed luminaire for a single LED lamp - fixed optic. Die-cast aluminium body, minimal version (frameless) installed flush with ceiling. For recessed installation in a false ceiling a specific adapter is required that is available with a separate item code. Metallised, thermoplastic, high definition OptiBeam reflector, integrated in a set-back position in the anti-glare screen. Connecting cable supplied. Ballast not included, available with separate code.

**Installation**

The recess body is inserted in the specific adapter installed previously by means of a steel wire spring - check the thickness of the false ceiling and use a compatible frame available with a separate item code.

**Colour**

White (01) | Black (04)

**Weight (Kg)**

0.05

**Mounting**

wall recessed|ceiling recessed|ceiling surface

**Wiring**

Constant current ballasts to be ordered separately: ON-OFF - code no. MXF9; DALI dimmable - code no. BZM4 - check the instruction sheet for the operating current setting and the compatible length and cross sections of the cables to be used.

Complies with EN60598-1 and pertinent regulations



IP20

IP23

On the visible part of the product once installed

**Technical data**

lm system:	196	CRI (typical):	92
W system:	2	Colour temperature [K]:	3500
lm source:	230	MacAdam Step:	3
W source:	2	Life Time LED 1:	> 50,000h - L90 - B10 (Ta 25°C)
Luminous efficiency (lm/W, real value):	97.8	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.) [%]:	85	Number of optical assemblies:	1
Beam angle [°]:	32°	LED current [mA]:	700
CRI (minimum):	90		

**Polar**

Imax=619 cd		CIE		Lux	
		nL 0.85		h	
		100-100-100-100-85		d	
		UGR <10-10		Em	
		DIN		Emax	
		A.61		1	0.6 472 619
		UTE		2	1.1 118 155
		0.85A+0.00T		3	1.7 52 69
		F*1=F*2=1000		4	2.3 30 39
		F*1+F*2+F*3=1000			
		CIBSE			
		LG3 L<1500 cd/m² at 65°			
		UGR<10   L<1500 cd/mq @65°			

# Utilisation factors

R	77	75	73	71	55	53	33	00	DRR
K0.8	77	73	70	68	72	70	69	67	78
1.0	80	77	74	72	76	74	73	71	83
1.5	84	81	79	78	80	79	78	75	89
2.0	87	85	83	82	84	82	81	79	93
2.5	88	87	86	85	86	85	84	81	96
3.0	89	88	88	87	87	86	85	83	98
4.0	90	90	89	89	88	88	87	84	99
5.0	91	90	90	90	89	89	87	85	100

# UGR diagram

Corrected UGR values (at 230 lm bare lamp luminous flux)											
Reflect.:		viewed crosswise					viewed endwise				
ceiling		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 crosswise					viewed endwise				
x	y										
2H	2H	-2.7	-2.1	-2.4	-1.9	-1.7	-2.7	-2.1	-2.4	-1.9	-1.7
	3H	-2.8	-2.3	-2.5	-2.1	-1.8	-2.8	-2.3	-2.5	-2.1	-1.8
	4H	-2.9	-2.4	-2.6	-2.1	-1.9	-2.9	-2.4	-2.6	-2.1	-1.9
	6H	-3.0	-2.5	-2.6	-2.2	-1.9	-3.0	-2.5	-2.6	-2.2	-1.9
	8H	-3.0	-2.6	-2.6	-2.3	-1.9	-3.0	-2.6	-2.6	-2.3	-1.9
	12H	-3.0	-2.7	-2.7	-2.3	-2.0	-3.0	-2.7	-2.7	-2.3	-2.0
4H	2H	-2.9	-2.4	-2.6	-2.1	-1.9	-2.9	-2.4	-2.6	-2.1	-1.9
	3H	-3.0	-2.7	-2.7	-2.3	-2.0	-3.0	-2.7	-2.7	-2.3	-2.0
	4H	-3.1	-2.8	-2.7	-2.4	-2.0	-3.1	-2.8	-2.7	-2.4	-2.0
	6H	-3.2	-2.9	-2.8	-2.5	-2.1	-3.2	-2.9	-2.8	-2.5	-2.1
	8H	-3.3	-3.0	-2.8	-2.6	-2.1	-3.3	-3.0	-2.8	-2.6	-2.1
	12H	-3.3	-3.1	-2.9	-2.6	-2.2	-3.3	-3.1	-2.9	-2.6	-2.2
8H	4H	-3.3	-3.0	-2.8	-2.6	-2.1	-3.3	-3.0	-2.8	-2.6	-2.1
	6H	-3.4	-3.1	-2.9	-2.7	-2.2	-3.4	-3.1	-2.9	-2.7	-2.2
	8H	-3.4	-3.2	-2.9	-2.8	-2.3	-3.4	-3.2	-2.9	-2.8	-2.3
	12H	-3.5	-3.3	-3.0	-2.8	-2.3	-3.5	-3.3	-3.0	-2.8	-2.3
12H	4H	-3.3	-3.1	-2.9	-2.6	-2.2	-3.3	-3.1	-2.9	-2.6	-2.2
	6H	-3.4	-3.2	-2.9	-2.8	-2.3	-3.4	-3.2	-2.9	-2.8	-2.3
	8H	-3.5	-3.3	-3.0	-2.8	-2.3	-3.5	-3.3	-3.0	-2.8	-2.3
Variations with the observer position at spacing:											
S =		1.0H	0.9	/	-25.5		0.9	/	-25.5		
		1.5H	9.7	/	-26.0		9.7	/	-26.0		
		2.0H	11.7	/	-26.8		11.7	/	-26.8		