

## Laser Blade

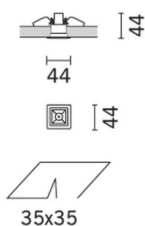
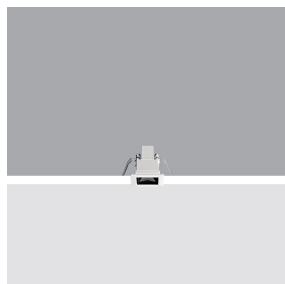
Design iGuzzini

iGuzzini

Last information update: May 2025

### Product configuration: RB30

RB30: Square Recessed luminaire - LED - Warm white Flood



### Product code

RB30: Square Recessed luminaire - LED - Warm white Flood

### Technical description

square miniaturised recessed luminaire for single LED - fixed optic - flood beam angle. Main body with die-cast aluminium radiant surface, version with perimeter surface frame. Metallised thermoplastic high definition optic, integrated in a rear position in the black anti-glare screen. Connecting cable supplied. Ballast not included, available with separate code. Warm white LED.

### Installation

recessed with steel wire springs for false ceilings from 1 to 20 mm thick - preparation hole 35 x 35

### Colour

White (01) | Black / Black (43) | Black / White (47) | White/Gold (41)\* | Grey / Black (74)\* | White / burnished chrome (E7)\*

### Weight (Kg)

0.05

\* Colours on request

### Mounting

wall recessed/ceiling recessed

### Wiring

direct current ballasts to be ordered separately: electronic (MXF9) for max. 7 LEDs; DALI dimmable (BZM4) for max. 20 LEDs (check instruction leaflet for compatible lengths of 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	
90°		nL 0.85		h	
180°		100-100-100-100-85		d	
90°		UGR <10-10		Em	
600		DIN		Emax	
0°		A.61		1	0.6 472 619
α=32°		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/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	-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				