

Laser Blade

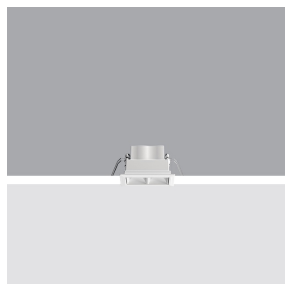
Design iGuzzini

iGuzzini

Last information update: May 2025

Product configuration: EJ71.01

EJ71.01: 2 - cell Recessed luminaire - LED Neutral white flood - 4W 416.5lm - 4000K - CRI 90 - White



Product code

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Technical description

rectangular miniaturised recessed luminaire with 2 optical elements with LED lamps - fixed optics - flood beam angle. Main body with die-cast aluminium radiant surface, version with perimeter surface frame. Metallised thermoplastic high definition optics, integrated in a rear position in the black anti-glare screen. Connecting cable supplied. Ballast not included, available with separate code. Neutral white LED.

Installation

recessed with steel wire springs for false ceilings from 1 to 20 mm thick - preparation hole 35 x 64

Colour

White (01)

Weight (Kg)

0.09

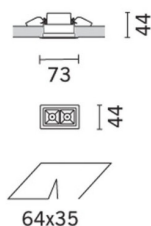
Mounting

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



Technical data

lm system:	417	Rf (Colour Fidelity Index):	90
W system:	4	Rg (Gamut Index):	97
lm source:	490	Colour temperature [K]:	4000
W source:	4	MacAdam Step:	3
Luminous efficiency (lm/W, real value):	104.1	Life Time LED 1:	> 50,000h - L90 - B10 (Ta 25°C)
lm in emergency mode:	-	Lamp code:	LED
Total light flux at or above an angle of 90° [Lm]:	0	Number of lamps for optical assembly:	1
Light Output Ratio (L.O.R.) [%]:	85	ZVEI Code:	LED
Beam angle [°]:	32°	Number of optical assemblies:	1
CRI (minimum):	90	LED current [mA]:	700
CRI (typical):	92		

Polar

Imax=1318 cd		CIE		Lux	
90°		nL 0.85		h	d
180°		100-100-100-100-85		d	Em
90°		UGR <10-10		Em	E _{max}
1500		DIN		1	0.6
0°		A.61		2	1.2
α=32°		UTE		3	1.7
		0.85A+0.00T		4	2.3
		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°			

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 490 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	-2.5	-1.9	-2.2	-1.7	-1.5	-2.5	-1.9	-2.2	-1.7	-1.5
	3H	-2.6	-2.1	-2.3	-1.8	-1.6	-2.6	-2.1	-2.3	-1.8	-1.6
	4H	-2.7	-2.2	-2.3	-1.9	-1.6	-2.7	-2.2	-2.3	-1.9	-1.6
	6H	-2.7	-2.3	-2.4	-2.0	-1.7	-2.7	-2.3	-2.4	-2.0	-1.7
	8H	-2.8	-2.4	-2.4	-2.1	-1.7	-2.8	-2.4	-2.4	-2.1	-1.7
	12H	-2.8	-2.4	-2.4	-2.1	-1.7	-2.8	-2.4	-2.4	-2.1	-1.8
4H	2H	-2.7	-2.2	-2.3	-1.9	-1.6	-2.7	-2.2	-2.3	-1.9	-1.6
	3H	-2.8	-2.4	-2.4	-2.1	-1.7	-2.8	-2.4	-2.4	-2.1	-1.7
	4H	-2.9	-2.6	-2.5	-2.2	-1.8	-2.9	-2.6	-2.5	-2.2	-1.8
	6H	-3.0	-2.7	-2.6	-2.3	-1.9	-3.0	-2.7	-2.6	-2.3	-1.9
	8H	-3.0	-2.8	-2.6	-2.4	-1.9	-3.0	-2.8	-2.6	-2.4	-1.9
	12H	-3.1	-2.8	-2.6	-2.4	-2.0	-3.1	-2.8	-2.6	-2.4	-2.0
8H	4H	-3.0	-2.8	-2.6	-2.4	-1.9	-3.0	-2.8	-2.6	-2.4	-1.9
	6H	-3.1	-2.9	-2.7	-2.5	-2.0	-3.1	-2.9	-2.7	-2.5	-2.0
	8H	-3.2	-3.0	-2.7	-2.5	-2.0	-3.2	-3.0	-2.7	-2.5	-2.0
	12H	-3.2	-3.1	-2.7	-2.6	-2.1	-3.2	-3.1	-2.7	-2.6	-2.1
12H	4H	-3.1	-2.8	-2.6	-2.4	-2.0	-3.1	-2.8	-2.6	-2.4	-2.0
	6H	-3.2	-3.0	-2.7	-2.5	-2.0	-3.2	-3.0	-2.7	-2.5	-2.0
	8H	-3.2	-3.1	-2.7	-2.6	-2.1	-3.2	-3.1	-2.7	-2.6	-2.1
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				