

Laser Blade XL

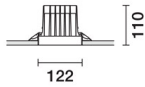
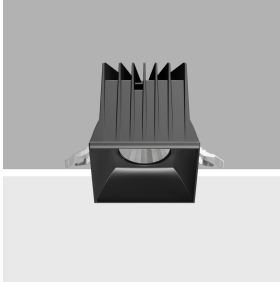
Design iGuzzini

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Last information update: July 2025

Product configuration: P789.04

P789.04: Fixed recessed luminaire - Minimal - Warm LED - DALI dimmable control gear - Wide Flood - Black



Product code

P789.04: Fixed recessed luminaire - Minimal - Warm LED - DALI dimmable control gear - Wide Flood - Black **Attention! Code no longer in production**

Technical description

Fixed optic, recessed luminaire for a Warm White LED lamp with a high color rendering index. Flush with ceiling version (frameless). Passive heat dissipation system. Lamp body with radiant surface made of die-cast aluminum. False ceiling adapter with bracket system that adapts to the thickness of the panels. Metallised, thermoplastic, high definition Opti Beam optic, integrated in a set-back position in the anti-glare screen. Glass cover for LED lamp. The structure of the optic system produces light emission with controlled luminance (UGR < 19) to guarantee high visual comfort. Supplied with a dimmable DALI ballast connected to the luminaire.

Installation

Recessed with steel springs on the specific adapter (included) which allows flush-mounting with the ceiling. Adapter fixed to false ceiling (between 12.5 mm and 25 mm thick) with self-tapping screws; subsequent filling and smoothing operations; insertion of luminaire body and aesthetic finishing. Preparation hole 125 x 125 Installation possible in a horizontal position.

Colour

Black (04)

Mounting

ceiling recessed

Wiring

Quick-coupling connections on the ballast unit terminal block - Digital electronic cabling that allows dimming to be performed with DALI protocol or pushbutton systems (TOUCH DIM)

Notes

The product has a white finish (01) that maintains its UGR < 19 performance unaltered even when luminance values vary slightly.

Complies with EN60598-1 and pertinent regulations



Technical data

Im system:	2354	CRI (minimum):	90
W system:	27	Colour temperature [K]:	2700
Im source:	3100	MacAdam Step:	2
W source:	27	Lamp code:	LED
Luminous efficiency (Im/W, real value):	87.2	Number of lamps for optical assembly:	1
Im in emergency mode:	-	ZVEI Code:	LED
Total light flux at or above an angle of 90° [Lm]:	0	Number of optical assemblies:	1
Light Output Ratio (L.O.R.) [%]:	76	Control:	DALI
Beam angle [°]:	54°		

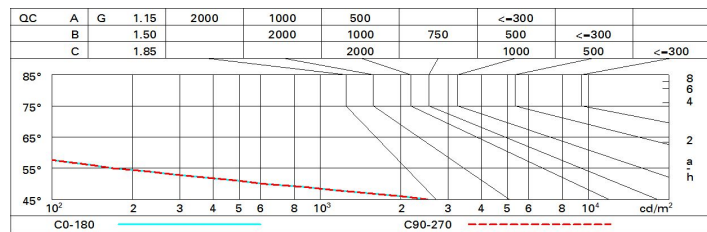
Polar

	CIE				Lux			
	nL 0.76				h	d	Em	Emax
	99-100-100-100-76				2	2	661	900
	UGR 13.5-13.5				4	4.1	165	225
	DIN A.61				6	6.1	73	100
	UTE 0.76A+0.00T				8	8.2	41	56
	F*1=992							
	F*1+F*2=1000							
	F*1+F*2+F*3=1000							
	CIBSE LG3 L<1500 cd/m² at 65°							
	UGR<16 L<1500 cd/mq @65°							

Utilisation factors

R	77	75	73	71	55	53	33	00	DRR
K0.8	68	65	62	60	64	62	62	59	78
1.0	71	68	66	64	67	65	65	63	82
1.5	75	73	71	69	72	70	69	67	88
2.0	77	76	74	73	75	73	72	70	93
2.5	79	77	76	76	76	75	75	73	96
3.0	80	79	78	77	78	77	76	74	98
4.0	81	80	80	79	79	78	77	75	99
5.0	81	81	80	80	79	79	78	76	100

Luminance curve limit



UGR diagram

Corrected UGR values (at 3100 lm bare lamp luminous flux)											
Reflect.: ceiling/cav walls work pl. Room dim x y		0.70	0.70	0.50	0.50	0.30	0.70	0.70	0.50	0.50	0.30
		0.50	0.30	0.50	0.30	0.30	0.50	0.30	0.50	0.30	0.30
		0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
		viewed crosswise					viewed endwise				
2H	2H	14.1	14.7	14.4	14.9	15.2	14.1	14.7	14.4	14.9	15.2
	3H	14.0	14.5	14.3	14.8	15.0	14.0	14.5	14.3	14.8	15.0
	4H	13.9	14.4	14.2	14.7	15.0	13.9	14.4	14.2	14.7	15.0
	6H	13.8	14.3	14.2	14.6	14.9	13.8	14.3	14.2	14.6	14.9
	8H	13.8	14.2	14.2	14.6	14.9	13.8	14.2	14.2	14.6	14.9
	12H	13.8	14.2	14.1	14.5	14.9	13.8	14.2	14.1	14.5	14.9
4H	2H	13.9	14.4	14.2	14.7	15.0	13.9	14.4	14.2	14.7	15.0
	3H	13.8	14.2	14.1	14.5	14.9	13.8	14.2	14.1	14.5	14.9
	4H	13.7	14.0	14.1	14.4	14.8	13.7	14.0	14.1	14.4	14.8
	6H	13.6	13.9	14.0	14.3	14.7	13.6	13.9	14.0	14.3	14.7
	8H	13.5	13.8	14.0	14.2	14.7	13.5	13.8	14.0	14.2	14.7
	12H	13.5	13.7	13.9	14.2	14.6	13.5	13.7	13.9	14.2	14.6
8H	4H	13.5	13.8	14.0	14.2	14.7	13.5	13.8	14.0	14.2	14.7
	6H	13.4	13.7	13.9	14.1	14.6	13.4	13.7	13.9	14.1	14.6
	8H	13.4	13.6	13.9	14.1	14.6	13.4	13.6	13.9	14.1	14.6
	12H	13.3	13.5	13.8	14.0	14.5	13.3	13.5	13.8	14.0	14.5
12H	4H	13.5	13.7	13.9	14.2	14.6	13.5	13.7	13.9	14.2	14.6
	6H	13.4	13.6	13.9	14.1	14.6	13.4	13.6	13.9	14.1	14.6
	8H	13.3	13.5	13.8	14.0	14.5	13.3	13.5	13.8	14.0	14.5
Variations with the observer position at spacing:											
S =	1.0H	6.4 / -27.7					6.4 / -27.7				
	1.5H	9.2 / -31.6					9.2 / -31.6				
	2.0H	11.2 / -32.7					11.2 / -32.7				