

Laser Blade

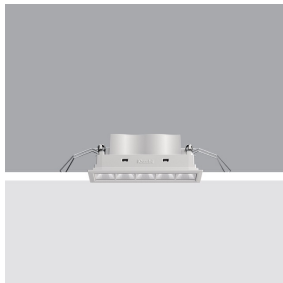
Design iGuzzini

iGuzzini

Last information update: May 2025

Product configuration: EK55.D8

EK55.D8: 5 - cell Recessed luminaire - LED - Warm white - Incorporated DALI dimmable power supply - Wide Flood optic - 12.7W
850.5lm - 2700K - CRI 90 - White Transparent



Product code

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Technical description

rectangular miniaturised recessed luminaire with 5 optical elements with LED lamps - fixed optics - wide 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; the structure of the optical system prevents a pinpoint effect, allowing precise, circular light distribution and emission with controlled glare. Supplied with DALI dimmable electronic control gear connected to the luminaire. Warm white high colour rendering LED

Installation

recessed with steel wire springs for false ceilings from 1 to 25 mm thick - preparation hole 37 x 141

Colour

White Transparent (D8)

Weight (Kg)

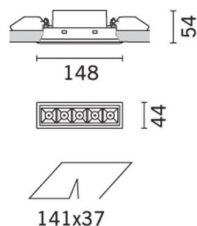
0.3

Mounting

wall recessed|ceiling recessed

Wiring

on control gear box; screw connections with terminal block included



Complies with EN60598-1 and pertinent regulations



IP20 IP23

On the visible part of the product once installed



Technical data

lm system:	882	CRI (typical):	92
W system:	12.7	Colour temperature [K]:	2700
lm source:	1050	MacAdam Step:	3
W source:	9.9	Life Time LED 1:	> 50,000h - L90 - B10 (Ta 25°C)
Luminous efficiency (lm/W, real value):	69.4	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.) [%]:	84	Number of optical assemblies:	1
Beam angle [°]:	46°	Control:	DALI-2
CRI (minimum):	90		

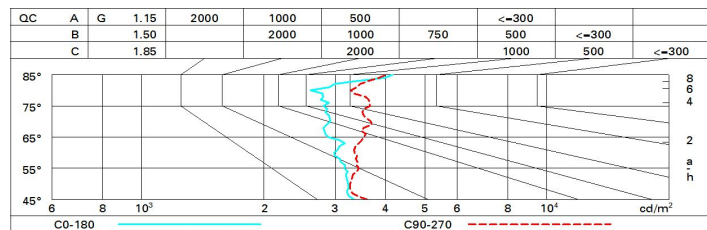
Polar

<p>$\alpha = 47^\circ$</p>	C90-270				
	CIE				
	nL 0.84				
	96-99-100-100-84				
	UGR 12.4-12.9				
	DIN				
	A.61				
	UTE				
	0.84A+0.00T				
	F*1=964				
F*1+F*2=988					
F*1+F*2+F*3=997					
Lux					
	h	d1	d2	Em	Emax
	2	1.7	1.7	323	393
	4	3.5	3.4	81	98
	6	5.2	5.1	36	44
	8	6.9	6.8	20	25

Utilisation factors

R	77	75	73	71	55	53	33	00	DRR
K0.8	75	70	67	65	70	67	66	64	76
1.0	78	74	71	69	73	71	71	68	81
1.5	82	79	77	75	78	76	76	73	87
2.0	85	83	81	80	82	80	79	77	91
2.5	87	85	84	83	84	83	82	79	94
3.0	88	87	86	85	85	84	83	81	96
4.0	89	88	87	87	87	86	85	83	98
5.0	89	89	88	88	87	87	86	83	99

Luminance curve limit



UGR diagram

Corrected UGR values (at 1050 lm bare lamp luminous flux)											
Reflect.: ceiling walls work pl. Room dim x y		viewed crosswise					viewed endwise				
2H	2H	10.7	11.2	11.0	11.5	11.7	11.3	11.8	11.5	12.0	12.2
	3H	11.1	11.6	11.4	11.9	12.1	11.4	11.9	11.7	12.1	12.4
	4H	11.4	11.8	11.7	12.1	12.4	11.4	11.9	11.7	12.1	12.4
	6H	11.6	12.0	11.9	12.3	12.6	11.4	11.8	11.7	12.1	12.4
	8H	11.7	12.1	12.0	12.4	12.7	11.4	11.8	11.7	12.1	12.4
	12H	11.8	12.2	12.2	12.5	12.9	11.3	11.7	11.7	12.1	12.4
4H	2H	10.9	11.4	11.2	11.6	11.9	12.2	12.7	12.5	12.9	13.2
	3H	11.5	11.9	11.9	12.2	12.6	12.7	13.0	13.0	13.4	13.7
	4H	11.9	12.2	12.3	12.6	13.0	12.8	13.2	13.2	13.5	13.9
	6H	12.2	12.5	12.6	12.9	13.3	12.9	13.2	13.4	13.6	14.0
	8H	12.4	12.6	12.8	13.0	13.5	12.9	13.2	13.4	13.6	14.1
	12H	12.6	12.8	13.0	13.2	13.7	12.9	13.2	13.4	13.6	14.1
8H	4H	12.1	12.3	12.5	12.7	13.2	13.4	13.7	13.8	14.1	14.5
	6H	12.5	12.7	13.0	13.2	13.6	13.7	13.9	14.1	14.3	14.8
	8H	12.7	12.9	13.2	13.4	13.9	13.7	13.9	14.2	14.4	14.9
	12H	13.0	13.2	13.5	13.7	14.2	13.8	13.9	14.3	14.4	14.9
12H	4H	12.1	12.3	12.5	12.7	13.2	13.6	13.8	14.0	14.2	14.7
	6H	12.5	12.7	13.0	13.2	13.7	13.9	14.1	14.3	14.5	15.0
	8H	12.8	13.0	13.3	13.4	14.0	14.0	14.2	14.5	14.6	15.2
Variations with the observer position at spacing:											
S =		1.0H					1.3 / -1.1				
		1.5H					2.7 / -1.3				
		2.0H					4.1 / -1.6				