

Laser Blade

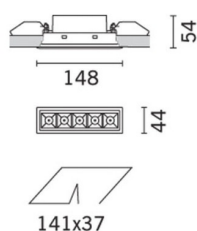
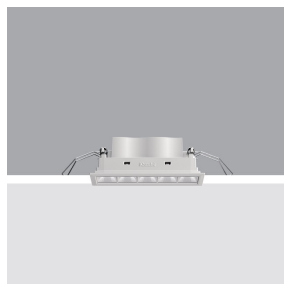
Design iGuzzini

iGuzzini

Last information update: March 2025

Product configuration: MQ77.D8

MQ77.D8: 5 - cell Recessed luminaire - LED Neutral white - Incorporated DALI dimmable power supply - Wide Flood optic - 13W
829.3lm - 4000K - CRI 95 - 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. Neutral 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)

0.29

Mounting

wall recessed|ceiling recessed

Wiring

on control gear box: screw connections with terminal block included

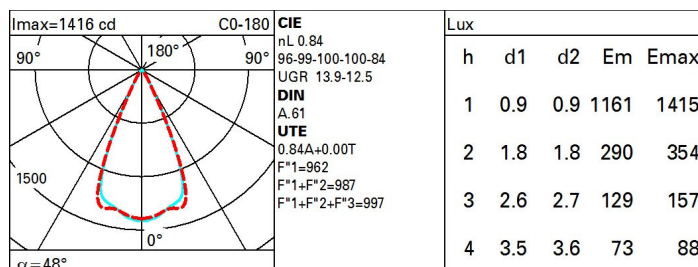
Complies with EN60598-1 and pertinent regulations



Technical data

lm system:	840	CRI (typical):	97
W system:	13	Colour temperature [K]:	4000
lm source:	1000	MacAdam Step:	3
W source:	10	Life Time LED 1:	50,000h - L90 - B10 (Ta 25°C)
Luminous efficiency (lm/W, real value):	64.6	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 [°]:	48°	Control:	DALI-2
CRI (minimum):	95		

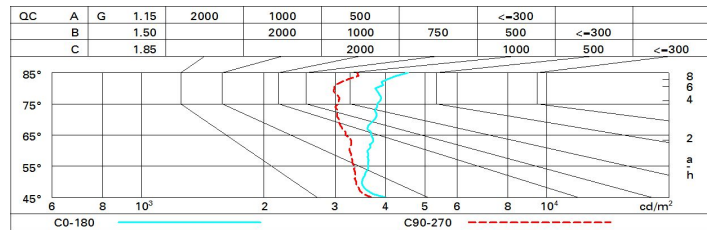
Polar



Utilisation factors

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

Luminance curve limit



UGR diagram

Corrected UGR values (at 1000 lm bare lamp luminous flux)											
Riflect.: ceil/cav walls work pl. Room dim x y		viewed crosswise					viewed endwise				
		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
2H	2H	11.7	12.3	12.0	12.5	12.7	11.2	11.7	11.4	11.9	12.2
	3H	12.3	12.8	12.6	13.1	13.3	11.3	11.8	11.6	12.1	12.3
	4H	12.7	13.1	13.0	13.4	13.7	11.3	11.8	11.7	12.1	12.4
	6H	13.0	13.4	13.3	13.7	14.1	11.4	11.8	11.7	12.1	12.4
	8H	13.1	13.5	13.5	13.9	14.2	11.4	11.8	11.7	12.1	12.4
	12H	13.2	13.6	13.6	14.0	14.3	11.3	11.7	11.7	12.1	12.4
4H	2H	11.8	12.3	12.2	12.6	12.9	11.9	12.3	12.2	12.6	12.9
	3H	12.7	13.1	13.1	13.4	13.8	12.2	12.6	12.6	12.9	13.3
	4H	13.3	13.6	13.7	14.0	14.3	12.4	12.7	12.8	13.1	13.5
	6H	13.7	14.0	14.1	14.4	14.8	12.5	12.8	12.9	13.2	13.6
	8H	13.9	14.2	14.3	14.6	15.0	12.5	12.8	13.0	13.2	13.7
	12H	14.1	14.3	14.5	14.8	15.2	12.5	12.8	13.0	13.2	13.7
8H	4H	13.4	13.6	13.8	14.1	14.5	12.9	13.2	13.3	13.6	14.0
	6H	14.0	14.2	14.4	14.6	15.1	13.1	13.4	13.6	13.8	14.3
	8H	14.2	14.4	14.7	14.9	15.4	13.3	13.5	13.7	13.9	14.4
	12H	14.5	14.7	15.0	15.2	15.7	13.3	13.5	13.8	14.0	14.5
12H	4H	13.3	13.6	13.8	14.0	14.5	13.0	13.3	13.5	13.7	14.2
	6H	14.0	14.2	14.5	14.6	15.1	13.3	13.5	13.8	14.0	14.5
	8H	14.3	14.5	14.8	14.9	15.5	13.5	13.7	14.0	14.1	14.7
Variations with the observer position at spacing:											
S =	1.0H	1.5 / -1.0					2.0 / -1.2				
	1.5H	3.0 / -1.2					3.7 / -1.5				
	2.0H	4.5 / -1.5					5.3 / -1.7				