

Laser Blade

Design iGuzzini

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Last information update: May 2024

Product configuration: MU85

MU85: Adjustable 15 - cell module - LED - Incorporated DALI dimmable power supply - Warm white - Beam 12°



Product code

MU85: Adjustable 15 - cell module - LED - Incorporated DALI dimmable power supply - Warm white - Beam 12° **Attention! Code no longer in production**

Technical description

Adjustable linear module with LEDs, specifically designed to be housed in the Laser Blade System channel. The steel coupling plate includes the lighting group and the operating components. Module with 15 lighting cells, in die-cast aluminium, adjustable with a practical extraction and rotation system with max inclination +/- 45°. 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 luminance.

Installation

Double rotating pin blocking system with return spring to facilitate the insertion in the profile seating. Can be manoeuvred with a screwdriver.

Colour

Black (04)

Weight (Kg)

1.7

Mounting

ceiling recessed

Wiring

The module is fitted with connectors on both sides for connecting with subsequent modules. For connections at greater distances, there are accessory connectors (code MXN6 - cables not included).

Notes

dimming function with pushbutton (TOUCH DIM/PUSH): for this option consult the instructions included in the package

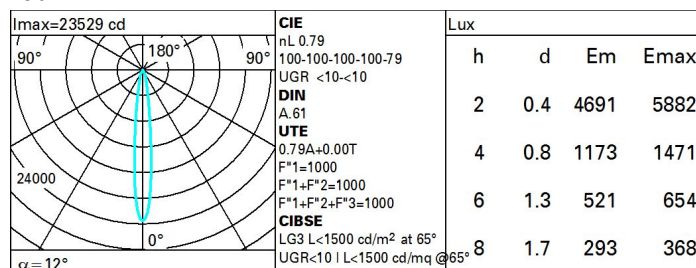
Complies with EN60598-1 and pertinent regulations



Technical data

Im system:	2173	CRI:	95
W system:	35	Colour temperature [K]:	3000
Im source:	2750	MacAdam Step:	3
W source:	31	Life Time LED 1:	50,000h - L90 - B10 (Ta 25°C)
Luminous efficiency (Im/W, real value):	62.1	Lamp code:	LED
Im 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.) [%]:	79	Number of optical assemblies:	1
Beam angle [°]:	12°	Control:	DALI

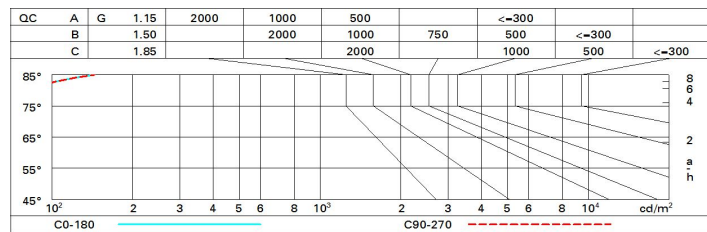
Polar



Utilisation factors

R	77	75	73	71	55	53	33	00	DRR
K0.8	71	68	65	63	67	65	64	62	78
1.0	75	71	69	67	71	68	68	66	83
1.5	78	76	74	72	75	73	72	70	89
2.0	81	79	77	76	78	76	76	73	93
2.5	82	81	80	79	80	79	78	76	96
3.0	83	82	81	81	81	80	79	77	98
4.0	84	83	83	82	82	82	80	79	99
5.0	84	84	84	83	83	82	81	79	100

Luminance curve limit



UGR diagram

Corrected UGR values (at 2750 lm bare lamp luminous flux)											
Reflect.: ceiling/cav walls work pl. Room dim x y		viewed crosswise					viewed endwise				
2H	2H	-0.8	-4.0	-0.4	-4.3	-4.0	-0.8	-4.0	-0.4	-4.3	-4.0
	3H	-0.9	-5.4	-0.5	-5.1	-4.7	-0.9	-5.4	-0.5	-5.1	-4.7
	4H	-0.9	-5.7	-0.5	-5.4	-5.0	-0.9	-5.7	-0.6	-5.4	-5.1
	6H	-0.9	-6.0	-0.5	-5.7	-5.3	-7.0	-6.1	-6.6	-5.7	-5.4
	8H	-0.9	-6.0	-0.5	-5.6	-5.3	-7.0	-6.1	-6.6	-5.7	-5.4
	12H	-7.0	-5.9	-6.6	-5.6	-5.2	-7.1	-6.1	-6.7	-5.7	-5.4
4H	2H	-0.9	-5.7	-0.6	-5.4	-5.1	-0.9	-5.7	-0.5	-5.4	-5.0
	3H	-7.1	-6.1	-6.7	-5.7	-5.3	-7.1	-6.0	-6.7	-5.7	-5.3
	4H	-7.2	-6.1	-6.8	-5.7	-5.2	-7.2	-6.1	-6.8	-5.7	-5.2
	6H	-7.5	-5.7	-7.0	-5.3	-4.8	-7.5	-5.8	-7.1	-5.3	-4.8
	8H	-7.6	-5.6	-7.1	-5.1	-4.6	-7.7	-5.7	-7.2	-5.2	-4.7
	12H	-7.6	-5.6	-7.1	-5.1	-4.6	-7.7	-5.8	-7.2	-5.3	-4.8
8H	4H	-7.7	-5.7	-7.2	-5.2	-4.7	-7.6	-5.6	-7.1	-5.1	-4.6
	6H	-7.7	-5.9	-7.1	-5.4	-4.9	-7.6	-5.8	-7.1	-5.4	-4.8
	8H	-7.5	-6.1	-7.0	-5.6	-5.1	-7.5	-6.1	-7.0	-5.6	-5.1
	12H	-7.2	-6.4	-6.7	-5.9	-5.4	-7.3	-6.5	-6.8	-6.0	-5.5
12H	4H	-7.7	-5.8	-7.2	-5.3	-4.8	-7.6	-5.6	-7.1	-5.1	-4.6
	6H	-7.6	-6.2	-7.1	-5.7	-5.1	-7.4	-6.0	-6.9	-5.5	-5.0
	8H	-7.3	-6.5	-6.8	-6.0	-5.5	-7.2	-6.4	-6.7	-5.9	-5.4
Variations with the observer position at spacing:											
S =		1.0H					6.7 / -6.8				
		1.5H					9.5 / -7.0				
		2.0H					11.5 / -7.1				