

Laser Blade

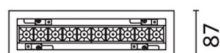
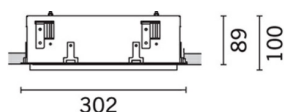
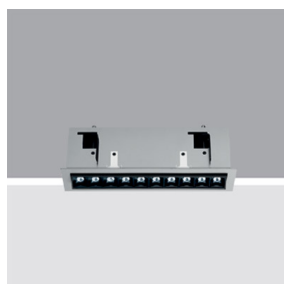
Design iGuzzini

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Last information update: April 2025

Product configuration: MQ26

MQ26: Adjustable 10 - cell Recessed frame - LED - Warm white - DALI dimmable power supply - WideFlood Beam



Product code

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Technical description

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Recessed rectangular luminaire with LEDs. Shaped steel sheet structural compartment with outer rim. The 10 lighting cells linear body, in die-cast aluminium, can be used to direct the emission with a tilting adjustability of +/- 30°. 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. Supplied with DALI dimmable control gear connected to the luminaire. Warm white high chromatic value LED.

Installation

recessed with mechanical blocking system for false ceilings from 1 to 25 mm; can be installed on ceilings and walls (vertical + horizontal) - preparation slot 80 x 295

Colour

Black / Black (43) | Black / White (47) | Grey / Black (74)*

Weight (Kg)

1.52

* Colours on request

Mounting

mounting
wall recessed|ceiling recessed

Wiring

on power box: screw connections

Notes

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

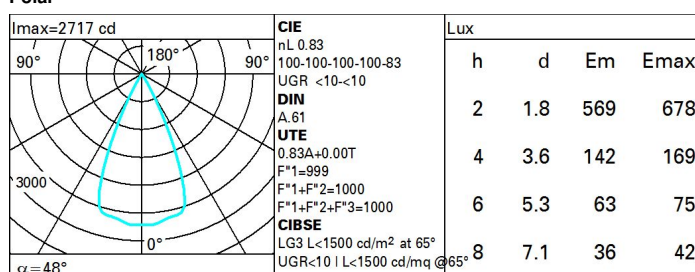
Complies with EN60598-1 and pertinent regulations



Technical data

| | | | |
|--|------|---------------------------------------|-------------------------------|
| lm system: | 1534 | CRI (typical): | 97 |
| W system: | 24.5 | Colour temperature [K]: | 3000 |
| lm source: | 1850 | MacAdam Step: | 3 |
| W source: | 21 | Life Time LED 1: | 50,000h - L90 - B10 (Ta 25°C) |
| Luminous efficiency (lm/W, real value): | 62.6 | 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.) [%]: | 83 | 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 | 75 | 71 | 68 | 66 | 70 | 68 | 68 | 65 | 78 |
| 1.0 | 78 | 75 | 72 | 70 | 74 | 72 | 71 | 69 | 83 |
| 1.5 | 82 | 79 | 77 | 76 | 79 | 77 | 76 | 74 | 89 |
| 2.0 | 85 | 83 | 81 | 80 | 82 | 80 | 79 | 77 | 93 |
| 2.5 | 86 | 85 | 84 | 83 | 84 | 83 | 82 | 79 | 96 |
| 3.0 | 87 | 86 | 85 | 85 | 85 | 84 | 83 | 81 | 98 |
| 4.0 | 88 | 87 | 87 | 86 | 86 | 86 | 84 | 82 | 99 |
| 5.0 | 89 | 88 | 88 | 88 | 87 | 86 | 85 | 83 | 100 |

UGR diagram

| Corrected UGR values (at 1850 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 | | viewed crosswise | | | | | viewed endwise | | | | |
| x | y | | | | | | | | | | |
| 2H | 2H | 1.7 | 2.2 | 2.0 | 2.4 | 2.7 | 1.7 | 2.2 | 2.0 | 2.4 | 2.7 |
| | 3H | 1.6 | 2.0 | 1.9 | 2.3 | 2.6 | 1.6 | 2.0 | 1.9 | 2.3 | 2.6 |
| | 4H | 1.5 | 1.9 | 1.8 | 2.2 | 2.5 | 1.5 | 1.9 | 1.8 | 2.2 | 2.5 |
| | 6H | 1.4 | 1.8 | 1.8 | 2.1 | 2.4 | 1.4 | 1.8 | 1.8 | 2.1 | 2.4 |
| | 8H | 1.4 | 1.8 | 1.8 | 2.1 | 2.4 | 1.4 | 1.8 | 1.8 | 2.1 | 2.4 |
| | 12H | 1.4 | 1.7 | 1.7 | 2.0 | 2.4 | 1.4 | 1.7 | 1.7 | 2.0 | 2.4 |
| 4H | 2H | 1.5 | 1.9 | 1.8 | 2.2 | 2.5 | 1.5 | 1.9 | 1.8 | 2.2 | 2.5 |
| | 3H | 1.4 | 1.7 | 1.7 | 2.0 | 2.4 | 1.4 | 1.7 | 1.7 | 2.0 | 2.4 |
| | 4H | 1.3 | 1.6 | 1.7 | 1.9 | 2.3 | 1.3 | 1.6 | 1.7 | 1.9 | 2.3 |
| | 6H | 1.2 | 1.5 | 1.6 | 1.9 | 2.3 | 1.2 | 1.5 | 1.6 | 1.9 | 2.3 |
| | 8H | 1.1 | 1.4 | 1.6 | 1.8 | 2.2 | 1.1 | 1.4 | 1.6 | 1.8 | 2.2 |
| | 12H | 1.1 | 1.3 | 1.5 | 1.7 | 2.2 | 1.1 | 1.3 | 1.5 | 1.7 | 2.2 |
| 8H | 4H | 1.1 | 1.4 | 1.6 | 1.8 | 2.2 | 1.1 | 1.4 | 1.6 | 1.8 | 2.2 |
| | 6H | 1.0 | 1.3 | 1.5 | 1.7 | 2.2 | 1.0 | 1.3 | 1.5 | 1.7 | 2.2 |
| | 8H | 1.0 | 1.2 | 1.5 | 1.6 | 2.1 | 1.0 | 1.2 | 1.5 | 1.6 | 2.1 |
| | 12H | 0.9 | 1.1 | 1.4 | 1.6 | 2.1 | 0.9 | 1.1 | 1.4 | 1.6 | 2.1 |
| 12H | 4H | 1.1 | 1.3 | 1.5 | 1.7 | 2.2 | 1.1 | 1.3 | 1.5 | 1.7 | 2.2 |
| | 6H | 1.0 | 1.2 | 1.5 | 1.6 | 2.1 | 1.0 | 1.2 | 1.5 | 1.6 | 2.1 |
| | 8H | 0.9 | 1.1 | 1.4 | 1.6 | 2.1 | 0.9 | 1.1 | 1.4 | 1.6 | 2.1 |
| Variations with the observer position at spacing: | | | | | | | | | | | |
| S = | | 0.9 / -18.0 | | | | | 0.9 / -18.0 | | | | |
| | | 9.7 / -18.3 | | | | | 9.7 / -18.3 | | | | |
| | | 11.7 / -18.4 | | | | | 11.7 / -18.4 | | | | |