

Laser Blade

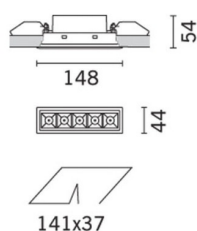
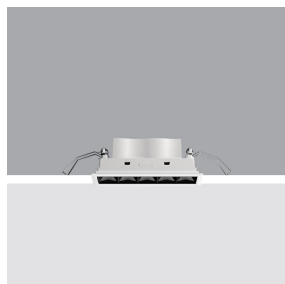
Design iGuzzini

iGuzzini

Last information update: March 2025

Product configuration: MQ79.47

MQ79.47: 6 - cell Recessed luminaire - LED - Warm white - Incorporated DALI dimmable power supply - Wide Flood optic - 13W
891lm - 3000K - CRI 90 - Black / White

**Product code**

MQ79.47: 5 - cell Recessed luminaire - LED - Warm white - Incorporated DALI dimmable power supply - Wide Flood optic - 13W
891lm - 3000K - CRI 90 - Black / White

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 LED

Installation

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

Colour
Black / White (47)

Weight (Kg)

Mounting

meaning
wall recessed|ceiling recessed

Wiring

on control gear box: screw connections with terminal block included

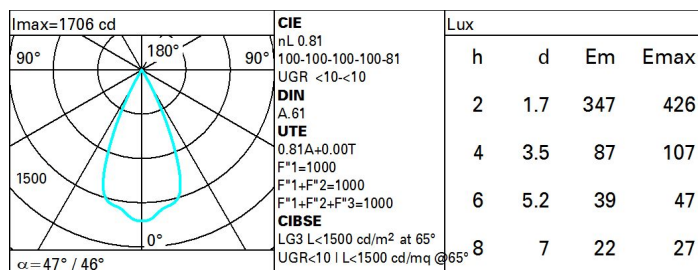
Complies with EN60598-1 and pertinent regulations



Technical data

| | | | |
|--|-----------|---------------------------------------|---------------------------------|
| lm system: | 891 | CRI (typical): | 92 |
| W system: | 13 | Colour temperature [K]: | 3000 |
| lm source: | 1100 | MacAdam Step: | 3 |
| W source: | 9.9 | Life Time LED 1: | > 50,000h - L90 - B10 (Ta 25°C) |
| Luminous efficiency (lm/W, real value): | 68.5 | 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.) [%]: | 81 | Number of optical assemblies: | 1 |
| Beam angle [°]: | 47° / 46° | Control: | DALI-2 |
| CRI (minimum): | 90 | | |

Polar



Utilisation factors

| R | 77 | 75 | 73 | 71 | 55 | 53 | 33 | 00 | DRR |
|------|----|----|----|----|----|----|----|----|-----|
| K0.8 | 73 | 70 | 67 | 65 | 69 | 66 | 66 | 64 | 78 |
| 1.0 | 76 | 73 | 71 | 69 | 72 | 70 | 70 | 67 | 83 |
| 1.5 | 80 | 78 | 76 | 74 | 77 | 75 | 74 | 72 | 89 |
| 2.0 | 83 | 81 | 79 | 78 | 80 | 78 | 78 | 75 | 93 |
| 2.5 | 84 | 83 | 82 | 81 | 82 | 81 | 80 | 78 | 96 |
| 3.0 | 85 | 84 | 83 | 83 | 83 | 82 | 81 | 79 | 98 |
| 4.0 | 86 | 85 | 85 | 84 | 84 | 84 | 82 | 81 | 99 |
| 5.0 | 87 | 86 | 86 | 86 | 85 | 84 | 83 | 81 | 100 |

UGR diagram

| Corrected UGR values (at 1100 lm bare lamp luminous flux) | | | | | | | | | | | |
|--|-----|---------------------|------|---------|------|------|-------------------|------|---------|------|------|
| Riflect.: 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 | 0.8 | 1.2 | 1.0 | 1.5 | 1.7 | 0.8 | 1.2 | 1.0 | 1.5 | 1.7 |
| | 3H | 0.6 | 1.1 | 0.9 | 1.3 | 1.6 | 0.6 | 1.1 | 0.9 | 1.3 | 1.6 |
| | 4H | 0.6 | 1.0 | 0.9 | 1.2 | 1.5 | 0.6 | 1.0 | 0.9 | 1.2 | 1.5 |
| | 6H | 0.5 | 0.9 | 0.8 | 1.2 | 1.5 | 0.5 | 0.9 | 0.8 | 1.2 | 1.5 |
| | 8H | 0.5 | 0.8 | 0.8 | 1.1 | 1.5 | 0.5 | 0.8 | 0.8 | 1.1 | 1.5 |
| | 12H | 0.4 | 0.8 | 0.8 | 1.1 | 1.4 | 0.4 | 0.8 | 0.8 | 1.1 | 1.4 |
| 4H | 2H | 0.6 | 1.0 | 0.9 | 1.2 | 1.5 | 0.6 | 1.0 | 0.9 | 1.2 | 1.5 |
| | 3H | 0.4 | 0.8 | 0.8 | 1.1 | 1.4 | 0.4 | 0.8 | 0.8 | 1.1 | 1.4 |
| | 4H | 0.3 | 0.6 | 0.7 | 1.0 | 1.4 | 0.3 | 0.6 | 0.7 | 1.0 | 1.4 |
| | 6H | 0.2 | 0.5 | 0.7 | 0.9 | 1.3 | 0.2 | 0.5 | 0.7 | 0.9 | 1.3 |
| | 8H | 0.2 | 0.4 | 0.6 | 0.8 | 1.3 | 0.2 | 0.4 | 0.6 | 0.8 | 1.3 |
| | 12H | 0.1 | 0.4 | 0.6 | 0.8 | 1.2 | 0.1 | 0.4 | 0.6 | 0.8 | 1.2 |
| 8H | 4H | 0.2 | 0.4 | 0.6 | 0.8 | 1.3 | 0.2 | 0.4 | 0.6 | 0.8 | 1.3 |
| | 6H | 0.1 | 0.3 | 0.6 | 0.7 | 1.2 | 0.1 | 0.3 | 0.6 | 0.7 | 1.2 |
| | 8H | 0.0 | 0.2 | 0.5 | 0.7 | 1.2 | 0.0 | 0.2 | 0.5 | 0.7 | 1.2 |
| | 12H | -0.0 | 0.1 | 0.5 | 0.6 | 1.1 | -0.0 | 0.1 | 0.5 | 0.6 | 1.1 |
| 12H | 4H | 0.1 | 0.4 | 0.6 | 0.8 | 1.2 | 0.1 | 0.4 | 0.6 | 0.8 | 1.2 |
| | 6H | 0.0 | 0.2 | 0.5 | 0.7 | 1.2 | 0.0 | 0.2 | 0.5 | 0.7 | 1.2 |
| | 8H | -0.0 | 0.1 | 0.5 | 0.6 | 1.1 | -0.0 | 0.1 | 0.5 | 0.6 | 1.1 |
| Variations with the observer position at spacing: | | | | | | | | | | | |
| S = | | 1.0H | 0.8 | / -21.9 | | | | 6.8 | / -21.9 | | |
| | | 1.5H | 9.7 | / -22.0 | | | | 9.7 | / -22.0 | | |
| | | 2.0H | 11.7 | / -22.2 | | | | 11.7 | / -22.2 | | |