

Laser Blade

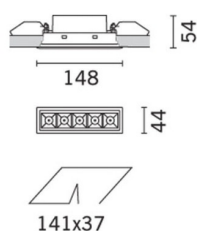
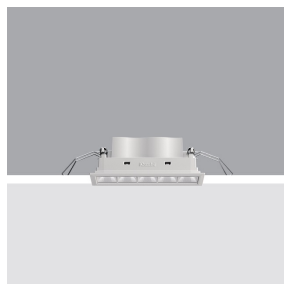
Design iGuzzini

iGuzzini

Last information update: March 2025

Product configuration: MQ81.D8

771.2lm - 3000K - CRI 95 - White Transparent



Product code

MQ81.D8: 5 - cell Recessed luminaire - LED - Warm white - Incorporated DALI dimmable power supply - Wide Flood optic - 13W
771.2lm - 3000K - CRI 95 - White Transparent

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)

0.29

Mounting

wall recessed|ceiling recessed

Wiring

on control gear box: screw connections with terminal block included

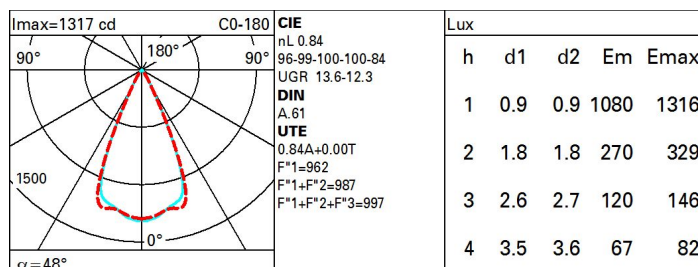
Complies with EN60598-1 and pertinent regulations



Technical data

| | | | |
|--|------|---------------------------------------|-------------------------------|
| lm system: | 781 | CRI (typical): | 97 |
| W system: | 13 | Colour temperature [K]: | 3000 |
| lm source: | 930 | MacAdam Step: | 3 |
| W source: | 10 | Life Time LED 1: | 50,000h - L90 - B10 (Ta 25°C) |
| Luminous efficiency (lm/W, real value): | 60.1 | 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 | | |

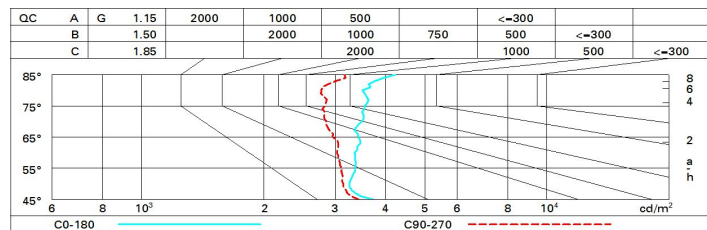
Polar



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 930 lm bare lamp luminous flux) | | | | | | | | | | | |
|--|------|---------------------|------|------|------|------|-------------------|------|------|------|------|
| Reflect.: 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 | 11.5 | 12.0 | 11.7 | 12.2 | 12.5 | 10.9 | 11.5 | 11.2 | 11.7 | 11.9 |
| | 3H | 12.1 | 12.6 | 12.4 | 12.8 | 13.1 | 11.0 | 11.5 | 11.4 | 11.8 | 12.1 |
| | 4H | 12.4 | 12.9 | 12.8 | 13.2 | 13.5 | 11.1 | 11.5 | 11.4 | 11.8 | 12.1 |
| | 6H | 12.7 | 13.2 | 13.1 | 13.5 | 13.8 | 11.1 | 11.5 | 11.5 | 11.8 | 12.2 |
| | 8H | 12.9 | 13.3 | 13.2 | 13.6 | 13.9 | 11.1 | 11.5 | 11.5 | 11.8 | 12.2 |
| | 12H | 13.0 | 13.4 | 13.4 | 13.7 | 14.1 | 11.1 | 11.5 | 11.4 | 11.8 | 12.2 |
| 4H | 2H | 11.6 | 12.0 | 11.9 | 12.3 | 12.6 | 11.6 | 12.1 | 11.9 | 12.4 | 12.7 |
| | 3H | 12.4 | 12.8 | 12.8 | 13.2 | 13.5 | 12.0 | 12.3 | 12.3 | 12.7 | 13.0 |
| | 4H | 13.0 | 13.3 | 13.4 | 13.7 | 14.1 | 12.1 | 12.5 | 12.5 | 12.8 | 13.2 |
| | 6H | 13.5 | 13.8 | 13.9 | 14.2 | 14.6 | 12.2 | 12.5 | 12.7 | 12.9 | 13.4 |
| | 8H | 13.6 | 13.9 | 14.1 | 14.3 | 14.8 | 12.3 | 12.6 | 12.7 | 13.0 | 13.4 |
| | 12H | 13.8 | 14.1 | 14.3 | 14.5 | 15.0 | 12.3 | 12.5 | 12.7 | 13.0 | 13.4 |
| 8H | 4H | 13.1 | 13.4 | 13.5 | 13.8 | 14.2 | 12.6 | 12.9 | 13.1 | 13.3 | 13.8 |
| | 6H | 13.7 | 13.9 | 14.2 | 14.4 | 14.9 | 12.9 | 13.1 | 13.4 | 13.6 | 14.0 |
| | 8H | 14.0 | 14.2 | 14.5 | 14.7 | 15.1 | 13.0 | 13.2 | 13.5 | 13.7 | 14.2 |
| | 12H | 14.3 | 14.4 | 14.8 | 14.9 | 15.4 | 13.1 | 13.3 | 13.6 | 13.7 | 14.3 |
| 12H | 4H | 13.1 | 13.3 | 13.5 | 13.8 | 14.2 | 12.8 | 13.0 | 13.2 | 13.5 | 13.9 |
| | 6H | 13.7 | 13.9 | 14.2 | 14.4 | 14.9 | 13.1 | 13.3 | 13.6 | 13.7 | 14.2 |
| | 8H | 14.0 | 14.2 | 14.5 | 14.7 | 15.2 | 13.2 | 13.4 | 13.7 | 13.9 | 14.4 |
| 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 | | | | |