

## Laser Blade

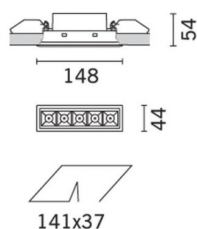
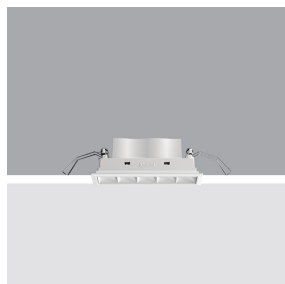
Design iGuzzini

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Last information update: March 2025

**Product configuration: MQ79.01**

MQ79.01: 6 - cell Recessed luminaire - LED - Warm white - Incorporated DALI dimmable power supply - Wide Flood optic - 13W  
891lm - 3000K - CRI 90 - White

**Product code**

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MQ79.01: 5 - cell Recessed luminaire - LED - Warm white - Incorporated DALI dimmable power supply - Wide Flood optic - 13W  
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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. Warm white LED

## Installation

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

**Colour**

White (01)

## Weight (Kg)

0.4

## Mounting

mounting  
wall recessed|ceiling recessed

## Wiring

on control gear box: screw connections with terminal block included

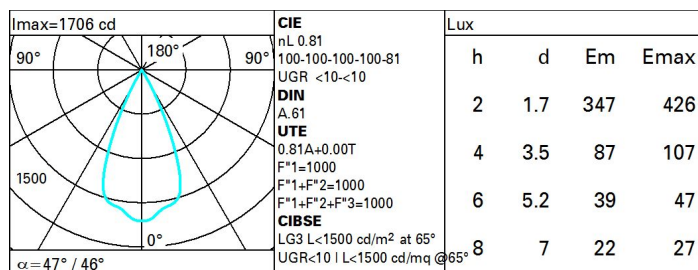
Complies with EN60598-1 and pertinent regulations



## Technical data

|  |           |                                       |                                 |
|--|-----------|---------------------------------------|---------------------------------|
| lm system:   | 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.:   |     | 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  | 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 |      |      |