

Laser Blade

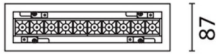
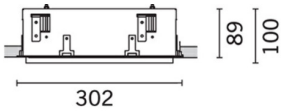
Design iGuzzini

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Last information update: April 2025

Product configuration: EK95

EK95: Adjustable 10 - cell Recessed frame - LED Neutral white - DALI dimmable power supply - Wideflood Beam



Product code

EK95: Adjustable 10 - cell Recessed frame - LED Neutral white - DALI dimmable power supply - Wideflood Beam

Technical description

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. High efficiency value Neutral White LED (lm/W).

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

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

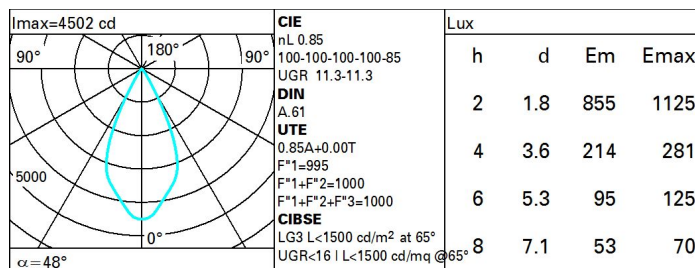
Complies with EN60598-1 and pertinent regulations



Technical data

| | | | |
|--|-------|---------------------------------------|---------------------------------|
| lm system: | 2508 | CRI (typical): | 82 |
| W system: | 23.2 | Colour temperature [K]: | 4000 |
| lm source: | 2950 | MacAdam Step: | 3 |
| W source: | 20 | Life Time LED 1: | > 50,000h - L90 - B10 (Ta 25°C) |
| Luminous efficiency (lm/W, real value): | 108.1 | 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.) [%]: | 85 | Number of optical assemblies: | 1 |
| Beam angle [°]: | 48° | Control: | DALI-2 |
| CRI (minimum): | 80 | | |

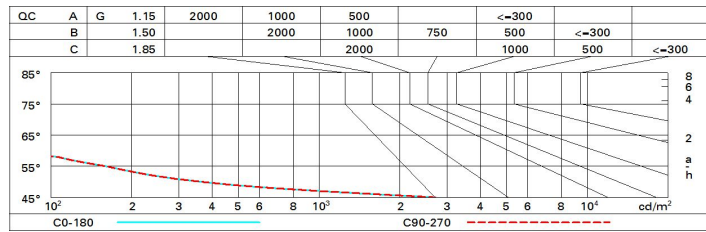
Polar



Utilisation factors

| | | | | | | | | | |
|------|----|----|----|----|----|----|----|----|-----|
| R | 77 | 75 | 73 | 71 | 55 | 53 | 33 | 00 | DRR |
| K0.8 | 77 | 73 | 70 | 68 | 72 | 70 | 69 | 66 | 78 |
| 1.0 | 80 | 77 | 74 | 72 | 76 | 73 | 73 | 70 | 83 |
| 1.5 | 84 | 81 | 79 | 78 | 80 | 79 | 78 | 75 | 88 |
| 2.0 | 87 | 85 | 83 | 82 | 84 | 82 | 81 | 79 | 93 |
| 2.5 | 88 | 87 | 86 | 85 | 86 | 84 | 84 | 81 | 96 |
| 3.0 | 89 | 88 | 87 | 87 | 87 | 86 | 85 | 83 | 98 |
| 4.0 | 90 | 90 | 89 | 88 | 88 | 88 | 86 | 84 | 99 |
| 5.0 | 91 | 90 | 90 | 90 | 89 | 89 | 87 | 85 | 100 |

Luminance curve limit



UGR diagram

| Corrected UGR values (at 2950 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 | 11.9 | 12.5 | 12.2 | 12.7 | 12.9 | 11.9 | 12.5 | 12.2 | 12.7 | 12.9 |
| | 3H | 11.8 | 12.3 | 12.1 | 12.5 | 12.8 | 11.8 | 12.3 | 12.1 | 12.5 | 12.8 |
| | 4H | 11.7 | 12.2 | 12.1 | 12.5 | 12.8 | 11.7 | 12.2 | 12.1 | 12.5 | 12.8 |
| | 6H | 11.6 | 12.1 | 12.0 | 12.4 | 12.7 | 11.6 | 12.1 | 12.0 | 12.4 | 12.7 |
| | 8H | 11.6 | 12.0 | 12.0 | 12.3 | 12.7 | 11.6 | 12.0 | 12.0 | 12.3 | 12.7 |
| 12H | 11.6 | 12.0 | 11.9 | 12.3 | 12.6 | 11.6 | 12.0 | 11.9 | 12.3 | 12.6 | |
| 4H | 2H | 11.7 | 12.2 | 12.1 | 12.5 | 12.8 | 11.7 | 12.2 | 12.1 | 12.5 | 12.8 |
| | 3H | 11.6 | 12.0 | 11.9 | 12.3 | 12.6 | 11.6 | 12.0 | 11.9 | 12.3 | 12.6 |
| | 4H | 11.5 | 11.8 | 11.9 | 12.2 | 12.6 | 11.5 | 11.8 | 11.9 | 12.2 | 12.6 |
| | 6H | 11.4 | 11.7 | 11.8 | 12.1 | 12.5 | 11.4 | 11.7 | 11.8 | 12.1 | 12.5 |
| | 8H | 11.3 | 11.6 | 11.8 | 12.0 | 12.5 | 11.3 | 11.6 | 11.8 | 12.0 | 12.5 |
| 12H | 11.3 | 11.5 | 11.7 | 12.0 | 12.4 | 11.3 | 11.5 | 11.7 | 12.0 | 12.4 | |
| 8H | 4H | 11.3 | 11.6 | 11.8 | 12.0 | 12.5 | 11.3 | 11.6 | 11.8 | 12.0 | 12.5 |
| | 6H | 11.3 | 11.5 | 11.7 | 11.9 | 12.4 | 11.3 | 11.5 | 11.7 | 11.9 | 12.4 |
| | 8H | 11.2 | 11.4 | 11.7 | 11.9 | 12.3 | 11.2 | 11.4 | 11.7 | 11.9 | 12.3 |
| | 12H | 11.1 | 11.3 | 11.6 | 11.8 | 12.3 | 11.1 | 11.3 | 11.6 | 11.8 | 12.3 |
| 12H | 4H | 11.3 | 11.5 | 11.7 | 12.0 | 12.4 | 11.3 | 11.5 | 11.7 | 12.0 | 12.4 |
| | 6H | 11.2 | 11.4 | 11.7 | 11.9 | 12.3 | 11.2 | 11.4 | 11.7 | 11.9 | 12.3 |
| | 8H | 11.1 | 11.3 | 11.6 | 11.8 | 12.3 | 11.1 | 11.3 | 11.6 | 11.8 | 12.3 |
| Variations with the observer position at spacing: | | | | | | | | | | | |
| S = | 1.0H | 5.9 / -29.1 | | | | | 5.9 / -29.1 | | | | |
| | 1.5H | 8.7 / -38.7 | | | | | 8.7 / -38.7 | | | | |
| | 2.0H | 10.7 / -48.4 | | | | | 10.7 / -48.4 | | | | |