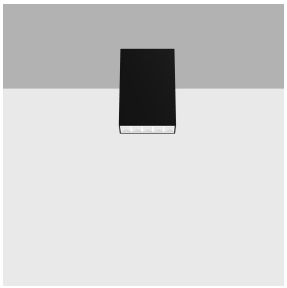
# Laser Blade XS

**Design iGuzzini** **iGuzzini**

Last information update: June 2025

**Product configuration: QI72**
QI72: Ceiling-mounted linear GL Pro - 5 cells



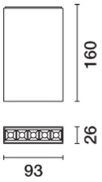
**Product code**
QI72: Ceiling-mounted linear GL Pro - 5 cells

**Technical description**
Ceiling-mounted luminaire with 5 optical elements for LED lamps - fixed optics with metallised thermoplastic high definition Opti-Beam reflectors. Despite the ultracompact size of the product, the patented technology of the optic system guarantees an efficient luminous flux optimised by a special diffuser screen that reduces direct glare significantly. Extruded aluminium main body and technical dissipation unit - shaped steel fixing plate. DALI dimmable electronic driver integrated in luminaire body.

**Installation**
Ceiling-mounted with surface fixing plate (screws and screw anchors not included) - external locking system.

**Colour**
White (01) | Black/white (F2)

**Weight (Kg)**
0.45




**Mounting**
ceiling surface

**Wiring**
Cables supplied with quick-coupling terminals for connecting to power supply line.

Complies with EN60598-1 and pertinent regulations

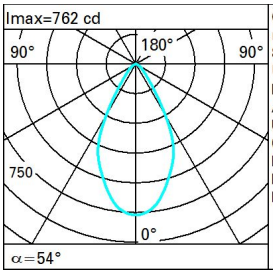
IP20

**Technical data**

| | |
|---|---|
| lm system: | 635 |
| W system: | 12.5 |
| lm source: | 920 |
| W source: | 10 |
| Luminous efficiency (lm/W, real value): | 50.8 |
| lm in emergency mode: | - |
| Total light flux at or above an angle of 90° [Lm]: | 0 |
| Light Output Ratio (L.O.R.) [%]: | 69 |
| CRI (minimum): | 90 |
| Colour temperature [K]: | 2700 |
| MacAdam Step: | 2 |
| Life Time LED 1: | > 50,000h - L80 - B10 (Ta 25°C) |

| | |
|---|---|
| Voltage [Vin]: | 230 |
| Lamp code: | LED |
| Number of lamps for optical assembly: | 1 |
| ZVEI Code: | LED |
| Number of optical assemblies: | 1 |
| Power factor: | See installation instructions |
| Inrush current: | 5 A / 50 µs |
| Maximum number of luminaires of this type per miniature circuit breaker: | B10A: 31 luminaires<br>B16A: 50 luminaires<br>C10A: 52 luminaires<br>C16A: 85 luminaires |
| Minimum dimming %: | 1 |
| Overvoltage protection: | 3kV Common mode & 2kV Differential mode |
| Control: | DALI-2 |

**Polar**




**CIE**
nL 0.69
88-98-100-100-69
UGR 21.9-21.9
**DIN**
A.61
**UTE**
0.69A+0.00T
F"1=877
F"1+F"2=981
F"1+F"2+F"3=997

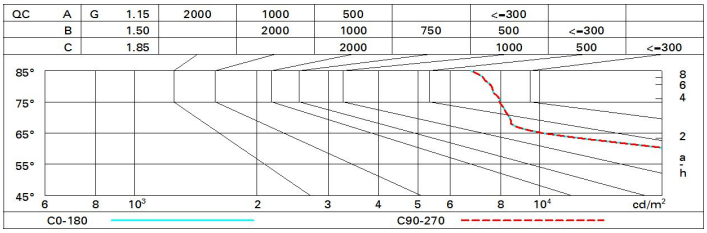
Lux

| h | d | Em | Emax |
|---|---|---|---|
| 1 | 1 | 565 | 762 |
| 2 | 2 | 141 | 191 |
| 3 | 3.1 | 63 | 85 |
| 4 | 4.1 | 35 | 48 |

**Utilisation factors**

| R | 77 | 75 | 73 | 71 | 55 | 53 | 33 | 00 | DRR |
|---|---|---|---|---|---|---|---|---|---|
| K0.8 | 58 | 54 | 51 | 49 | 54 | 51 | 51 | 48 | 69 |
| 1.0 | 62 | 58 | 55 | 53 | 57 | 55 | 54 | 52 | 75 |
| 1.5 | 66 | 63 | 61 | 59 | 62 | 60 | 60 | 57 | 83 |
| 2.0 | 69 | 66 | 65 | 63 | 65 | 64 | 63 | 61 | 88 |
| 2.5 | 70 | 68 | 67 | 66 | 67 | 66 | 65 | 63 | 92 |
| 3.0 | 71 | 70 | 69 | 68 | 69 | 68 | 67 | 65 | 94 |
| 4.0 | 72 | 71 | 70 | 70 | 70 | 69 | 68 | 66 | 96 |
| 5.0 | 73 | 72 | 71 | 71 | 71 | 70 | 69 | 67 | 97 |

**Luminance curve limit**




**UGR diagram**

Corrected UGR values (at 920 lm bare lamp luminous flux)

| Riflect.: ceil/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 | 22.0 | 22.6 | 22.3 | 22.8 | 23.1 | 22.0 | 22.6 | 22.3 | 22.8 | 23.1 |
| | 3H | 22.0 | 22.5 | 22.3 | 22.8 | 23.1 | 22.0 | 22.6 | 22.3 | 22.8 | 23.1 |
| | 4H | 21.9 | 22.5 | 22.3 | 22.8 | 23.1 | 21.9 | 22.5 | 22.3 | 22.8 | 23.1 |
| | 6H | 21.9 | 22.4 | 22.3 | 22.7 | 23.1 | 21.9 | 22.4 | 22.2 | 22.7 | 23.0 |
| | 8H | 21.9 | 22.4 | 22.3 | 22.7 | 23.0 | 21.8 | 22.3 | 22.2 | 22.6 | 23.0 |
| | 12H | 21.9 | 22.3 | 22.3 | 22.7 | 23.0 | 21.8 | 22.2 | 22.2 | 22.6 | 22.9 |
| 4H | 2H | 21.9 | 22.5 | 22.3 | 22.8 | 23.1 | 21.9 | 22.5 | 22.3 | 22.8 | 23.1 |
| | 3H | 21.9 | 22.4 | 22.3 | 22.7 | 23.1 | 22.0 | 22.4 | 22.3 | 22.8 | 23.1 |
| | 4H | 21.9 | 22.3 | 22.3 | 22.7 | 23.1 | 21.9 | 22.3 | 22.3 | 22.7 | 23.1 |
| | 6H | 21.9 | 22.3 | 22.4 | 22.7 | 23.1 | 21.9 | 22.2 | 22.3 | 22.6 | 23.1 |
| | 8H | 21.9 | 22.3 | 22.4 | 22.7 | 23.1 | 21.9 | 22.2 | 22.3 | 22.6 | 23.0 |
| | 12H | 21.9 | 22.2 | 22.4 | 22.6 | 23.1 | 21.8 | 22.1 | 22.3 | 22.5 | 23.0 |
| 8H | 4H | 21.9 | 22.2 | 22.3 | 22.6 | 23.0 | 21.9 | 22.3 | 22.4 | 22.7 | 23.1 |
| | 6H | 21.9 | 22.2 | 22.4 | 22.6 | 23.1 | 21.9 | 22.2 | 22.4 | 22.6 | 23.1 |
| | 8H | 21.9 | 22.1 | 22.4 | 22.6 | 23.1 | 21.9 | 22.1 | 22.4 | 22.6 | 23.1 |
| | 12H | 21.9 | 22.1 | 22.4 | 22.6 | 23.1 | 21.9 | 22.1 | 22.4 | 22.6 | 23.1 |
| 12H | 4H | 21.8 | 22.1 | 22.3 | 22.5 | 23.0 | 21.9 | 22.2 | 22.4 | 22.6 | 23.1 |
| | 6H | 21.9 | 22.1 | 22.3 | 22.6 | 23.1 | 21.9 | 22.1 | 22.4 | 22.6 | 23.1 |
| | 8H | 21.9 | 22.1 | 22.4 | 22.6 | 23.1 | 21.9 | 22.1 | 22.4 | 22.6 | 23.1 |

Variations with the observer position at spacing:

| S = | | | |
|---|---|---|---|
| | 1.0H | 2.4 / -2.2 | 2.4 / -2.2 |
| | 1.5H | 4.5 / -4.7 | 4.5 / -4.7 |
| | 2.0H | 6.3 / -6.0 | 6.3 / -6.0 |