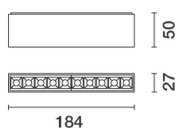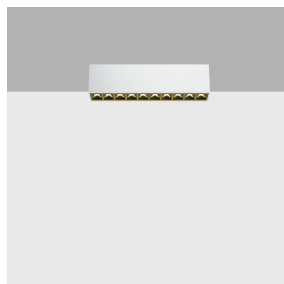# Laser Blade XS

**Design iGuzzini**                                    **iGuzzini**

Last information update: September 2024

### Product configuration: EJ56
EJ56: Ceiling-mounted LB XS Linear HC - 10 cells - Flood beam - remote driver

### Product code
EJ56: Ceiling-mounted LB XS Linear HC - 10 cells - Flood beam - remote driver

### Technical description
Ceiling-mounted luminaire with 10 optic 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 and a high level of controlled glare visual comfort. Extruded aluminium main body and technical dissipation unit - shaped steel fixing plate. Ballast not included, available with separate code. High efficiency value Neutral White LED (lm/W).

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

### Colour
White (01) | Black / Black (43) | Black / White (47) | White/Gold (41)* | Black/gold (44)* | White / burnished chrome (E7)* | Black/burnished chrome (F1)*

*\* Colours on request*

### Weight (Kg)
0.3

### Mounting
ceiling surface

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

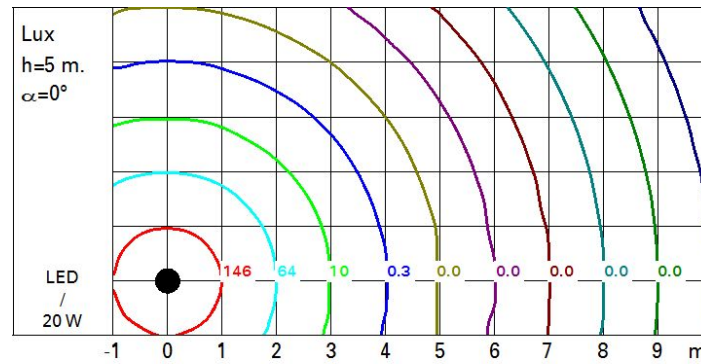Complies with EN60598-1 and pertinent regulations

III | IP20 | CE | 03 | S | EAC | QCERT | B

### Technical data

| | | | |
|---|---|---|---|
| lm system: | 2034 | CRI (minimum): | 80 |
| W system: | 20 | Colour temperature [K]: | 4000 |
| lm source: | 2450 | MacAdam Step: | 2 |
| W source: | 20 | Life Time LED 1: | > 50,000h - L80 - B10 (Ta 25°C) |
| Luminous efficiency (lm/W, real value): | 101.7 | 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.) [%]: | 83 | Number of optical assemblies: | 1 |
| Beam angle [°]: | 43° | LED current [mA]: | 700 |

### Polar

Imax=4176 cd

| Lux | | | |
|---|---|---|---|
| h | d | Em | Emax |
| 2 | 1.5 | 850 | 1036 |
| 4 | 3.1 | 212 | 259 |
| 6 | 4.6 | 94 | 115 |
| 8 | 6.1 | 53 | 65 |

α=42°

**Isolux**

Lux
h=5 m.
α=0°

LED
/
20 W

146  64  10  0.3  0.0  0.0  0.0  0.0  0.0

-1  0  1  2  3  4  5  6  7  8  9  m

**UGR diagram**

Corrected UGR values (at 2450 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 | | | | | viewed | | | |
| x | y | | crosswise | | | | | endwise | | | |
| 2H | 2H | 6.6 | 7.0 | 6.8 | 7.3 | 7.5 | 6.6 | 7.0 | 6.8 | 7.3 | 7.5 |
| | 3H | 6.4 | 6.9 | 6.7 | 7.1 | 7.4 | 6.4 | 6.9 | 6.7 | 7.1 | 7.4 |
| | 4H | 6.4 | 6.8 | 6.7 | 7.1 | 7.4 | 6.4 | 6.8 | 6.7 | 7.1 | 7.4 |
| | 6H | 6.3 | 6.7 | 6.6 | 7.0 | 7.3 | 6.3 | 6.7 | 6.6 | 7.0 | 7.3 |
| | 8H | 6.3 | 6.6 | 6.6 | 6.9 | 7.3 | 6.3 | 6.6 | 6.6 | 6.9 | 7.3 |
| | 12H | 6.2 | 6.6 | 6.6 | 6.9 | 7.3 | 6.2 | 6.6 | 6.6 | 6.9 | 7.2 |
| 4H | 2H | 6.4 | 6.8 | 6.7 | 7.1 | 7.4 | 6.4 | 6.8 | 6.7 | 7.1 | 7.4 |
| | 3H | 6.2 | 6.6 | 6.6 | 6.9 | 7.2 | 6.2 | 6.6 | 6.6 | 6.9 | 7.3 |
| | 4H | 6.1 | 6.4 | 6.5 | 6.8 | 7.2 | 6.1 | 6.4 | 6.5 | 6.8 | 7.2 |
| | 6H | 6.0 | 6.3 | 6.5 | 6.7 | 7.1 | 6.0 | 6.3 | 6.5 | 6.7 | 7.1 |
| | 8H | 6.0 | 6.3 | 6.4 | 6.7 | 7.1 | 6.0 | 6.2 | 6.4 | 6.7 | 7.1 |
| | 12H | 6.0 | 6.2 | 6.4 | 6.6 | 7.1 | 5.9 | 6.2 | 6.4 | 6.6 | 7.1 |
| 8H | 4H | 6.0 | 6.2 | 6.4 | 6.7 | 7.1 | 6.0 | 6.3 | 6.4 | 6.7 | 7.1 |
| | 6H | 5.9 | 6.1 | 6.4 | 6.6 | 7.0 | 5.9 | 6.1 | 6.4 | 6.6 | 7.0 |
| | 8H | 5.9 | 6.0 | 6.3 | 6.5 | 7.0 | 5.9 | 6.0 | 6.3 | 6.5 | 7.0 |
| | 12H | 5.8 | 6.0 | 6.3 | 6.5 | 7.0 | 5.8 | 6.0 | 6.3 | 6.4 | 7.0 |
| 12H | 4H | 5.9 | 6.2 | 6.4 | 6.6 | 7.1 | 6.0 | 6.2 | 6.4 | 6.6 | 7.1 |
| | 6H | 5.9 | 6.0 | 6.3 | 6.5 | 7.0 | 5.9 | 6.0 | 6.4 | 6.5 | 7.0 |
| | 8H | 5.8 | 6.0 | 6.3 | 6.4 | 7.0 | 5.8 | 6.0 | 6.3 | 6.5 | 7.0 |

Variations with the observer position at spacing:

| S = | 1.0H | 7.0 / -14.5 | 7.0 / -14.5 |
|---|---|---|---|
| | 1.5H | 9.8 / -14.7 | 9.8 / -14.7 |
| | 2.0H | 11.8 / -14.8 | 11.8 / -14.8 |