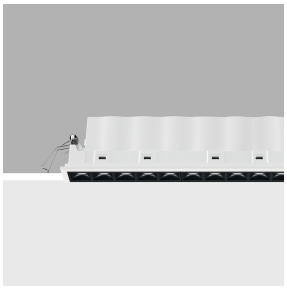
# Laser Blade XS

**Design iGuzzini** **iGuzzini**

Last information update: June 2025

**Product configuration: EJ80**
EJ80: Frame 15 cells - Flood beam - LED



**Product code**
EJ80: Frame 15 cells - Flood beam - LED

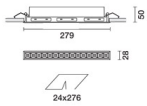
**Technical description**
Linear miniaturised recessed luminaire with 15 optical elements for LED lamps - fixed optics. Despite the ultracompact size of the product, the patented technology of the optic system guarantees an efficient flow and a high level of controlled glare visual comfort. Main body with die-cast aluminium radiant surface, version with perimeter surface frame. Metallised, thermoplastic, high definition Opti Beam reflectors, integrated in a set-back position in the anti-glare screen. Supplied with DALI power supply unit connected to the luminaire. High efficiency value Neutral White LED (lm/W).

**Installation**
Recessed with steel wire springs for false ceilings from 1 to 25 mm thick - preparation hole 24 x 276.

**Colour**
White (01) | Black / Black (43) | Black / White (47) | White/Gold (41)* | Grey / Black (74)* | White / burnished chrome (E7)*

**Weight (Kg)**
0.75

* Colours on request




**Mounting**
wall recessed|ceiling recessed

**Wiring**
On the power supply unit with terminal board included.

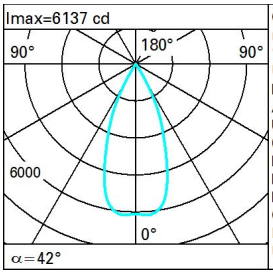
Complies with EN60598-1 and pertinent regulations

IP20 IP23

**Technical data**

| | | | |
|---|---|---|---|
| lm system: | 2988 | Colour temperature [K]: | 4000 |
| W system: | 33.8 | MacAdam Step: | 2 |
| lm source: | 3600 | Life Time LED 1: | > 50,000h - L80 - B10 (Ta 25°C) |
| W source: | 30 | Voltage [Vin]: | 230 |
| Luminous efficiency (lm/W, real value): | 88.4 | 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° | Control: | DALI-2 |
| CRI (minimum): | 80 | | |

**Polar**




**CIE**
nL 0.83
100-100-100-100-83
UGR <10-<10
**DIN**
A.61
**UTE**
0.83A+0.00T
F"1=999
F"1+F"2=1000
F"1+F"2+F"3=1000
**CIBSE**
LG3 L<1500 cd/m² at 65°
UGR<10 | L<1500 cd/mq @65°

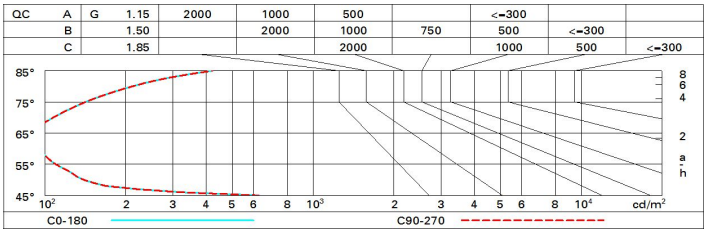
Lux

| h | d | Em | Emax |
|---|---|---|---|
| 2 | 1.5 | 1249 | 1523 |
| 4 | 3.1 | 312 | 381 |
| 6 | 4.6 | 139 | 169 |
| 8 | 6.1 | 78 | 95 |

**Utilisation factors**

| R | 77 | 75 | 73 | 71 | 55 | 53 | 33 | 00 | DRR |
|---|---|---|---|---|---|---|---|---|---|
| K0.8 | 75 | 71 | 68 | 66 | 70 | 68 | 68 | 65 | 78 |
| 1.0 | 78 | 75 | 72 | 70 | 74 | 72 | 71 | 69 | 83 |
| 1.5 | 82 | 80 | 77 | 76 | 79 | 77 | 76 | 74 | 89 |
| 2.0 | 85 | 83 | 81 | 80 | 82 | 80 | 79 | 77 | 93 |
| 2.5 | 86 | 85 | 84 | 83 | 84 | 83 | 82 | 79 | 96 |
| 3.0 | 87 | 86 | 85 | 85 | 85 | 84 | 83 | 81 | 98 |
| 4.0 | 88 | 87 | 87 | 86 | 86 | 86 | 84 | 82 | 99 |
| 5.0 | 89 | 88 | 88 | 88 | 87 | 87 | 85 | 83 | 100 |

**Luminance curve limit**




**UGR diagram**

Corrected UGR values (at 3600 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 | 6.4 | 6.9 | 6.7 | 7.1 | 7.3 | 6.4 | 6.9 | 6.7 | 7.1 | 7.3 |
| | 3H | 6.3 | 6.7 | 6.6 | 7.0 | 7.3 | 6.3 | 6.7 | 6.6 | 7.0 | 7.3 |
| | 4H | 6.2 | 6.6 | 6.5 | 6.9 | 7.2 | 6.2 | 6.6 | 6.5 | 6.9 | 7.2 |
| | 6H | 6.1 | 6.5 | 6.5 | 6.8 | 7.1 | 6.1 | 6.5 | 6.5 | 6.8 | 7.1 |
| | 8H | 6.1 | 6.5 | 6.5 | 6.8 | 7.1 | 6.1 | 6.5 | 6.5 | 6.8 | 7.1 |
| | 12H | 6.1 | 6.4 | 6.4 | 6.8 | 7.1 | 6.1 | 6.4 | 6.4 | 6.7 | 7.1 |
| 4H | 2H | 6.2 | 6.6 | 6.5 | 6.9 | 7.2 | 6.2 | 6.6 | 6.5 | 6.9 | 7.2 |
| | 3H | 6.1 | 6.4 | 6.4 | 6.7 | 7.1 | 6.1 | 6.4 | 6.4 | 6.7 | 7.1 |
| | 4H | 6.0 | 6.3 | 6.4 | 6.6 | 7.0 | 6.0 | 6.3 | 6.4 | 6.6 | 7.0 |
| | 6H | 5.9 | 6.2 | 6.3 | 6.6 | 7.0 | 5.9 | 6.2 | 6.3 | 6.5 | 7.0 |
| | 8H | 5.8 | 6.1 | 6.3 | 6.5 | 6.9 | 5.8 | 6.1 | 6.3 | 6.5 | 6.9 |
| | 12H | 5.8 | 6.0 | 6.3 | 6.5 | 6.9 | 5.8 | 6.0 | 6.2 | 6.4 | 6.9 |
| 8H | 4H | 5.8 | 6.1 | 6.3 | 6.5 | 6.9 | 5.8 | 6.1 | 6.3 | 6.5 | 6.9 |
| | 6H | 5.8 | 6.0 | 6.2 | 6.4 | 6.9 | 5.8 | 6.0 | 6.2 | 6.4 | 6.9 |
| | 8H | 5.7 | 5.9 | 6.2 | 6.3 | 6.8 | 5.7 | 5.9 | 6.2 | 6.3 | 6.8 |
| | 12H | 5.7 | 5.8 | 6.2 | 6.3 | 6.8 | 5.7 | 5.8 | 6.2 | 6.3 | 6.8 |
| 12H | 4H | 5.8 | 6.0 | 6.2 | 6.4 | 6.9 | 5.8 | 6.0 | 6.3 | 6.5 | 6.9 |
| | 6H | 5.7 | 5.9 | 6.2 | 6.3 | 6.8 | 5.7 | 5.9 | 6.2 | 6.4 | 6.9 |
| | 8H | 5.7 | 5.8 | 6.2 | 6.3 | 6.8 | 5.7 | 5.8 | 6.2 | 6.3 | 6.8 |

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 |