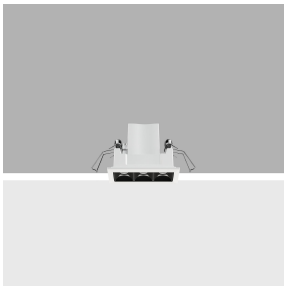
# Laser Blade XS

**Design iGuzzini** **iGuzzini**

Last information update: June 2025

**Product configuration: Q471**
Q471: Frame 3 cells - Medium beam - LED



**Product code**
Q471: Frame 3 cells - Medium beam - LED

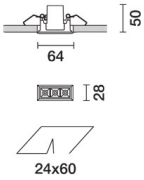
**Technical description**
Linear miniaturised recessed luminaire with 3 optical elements for LED lamps - fixed optics. Despite the ultracompact size of the product, the patented technology of the optic system guarantees an efficient flow and a high level of controlled glare visual comfort. Main body with die-cast zamak 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. Ballast not included, available with separate code.

**Installation**
Recessed with steel wire springs for false ceilings from 1 to 25 mm thick - preparation hole 24 x 60.

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

**Weight (Kg)**
0.15

* Colours on request




**Mounting**
wall recessed|ceiling recessed

**Wiring**
Direct current ballasts to be ordered separately: ON-OFF - code no. MXF9 (min 1 / max 2); dimmable DALI - code no. BZM4 (min 1 / max 6) - check the instruction sheet for the lengths and compatible cross-sections of the cables to be used.

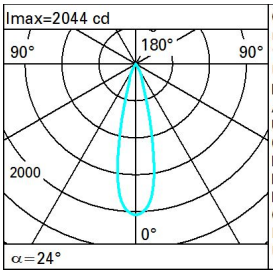
Complies with EN60598-1 and pertinent regulations

IP20 IP23

**Technical data**

| | | | |
|---|---|---|---|
| lm system: | 442 | CRI (minimum): | 90 |
| W system: | 6 | Colour temperature [K]: | 3000 |
| lm source: | 560 | MacAdam Step: | 2 |
| W source: | 6 | Life Time LED 1: | > 50,000h - L80 - B10 (Ta 25°C) |
| Luminous efficiency (lm/W, real value): | 73.7 | 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.) [%]: | 79 | Number of optical assemblies: | 1 |
| Beam angle [°]: | 25° | LED current [mA]: | 700 |

**Polar**




**CIE**
nL 0.79
100-100-100-100-79
UGR <10-<10
**DIN**
A.61
**UTE**
0.79A+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°

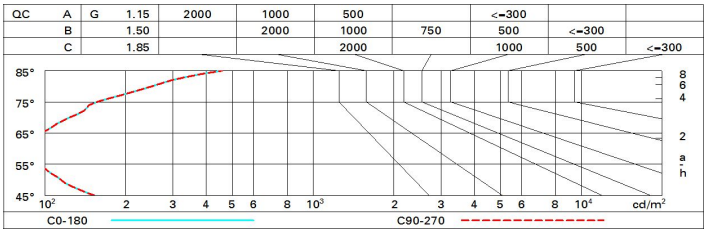
Lux

| h | d | Em | Emax |
|---|---|---|---|
| 2 | 0.9 | 424 | 511 |
| 4 | 1.7 | 106 | 128 |
| 6 | 2.6 | 47 | 57 |
| 8 | 3.4 | 27 | 32 |

**Utilisation factors**

| R | 77 | 75 | 73 | 71 | 55 | 53 | 33 | 00 | DRR |
|---|---|---|---|---|---|---|---|---|---|
| K0.8 | 71 | 68 | 65 | 63 | 67 | 65 | 64 | 62 | 78 |
| 1.0 | 75 | 71 | 69 | 67 | 70 | 68 | 68 | 66 | 83 |
| 1.5 | 78 | 76 | 74 | 72 | 75 | 73 | 72 | 70 | 89 |
| 2.0 | 81 | 79 | 77 | 76 | 78 | 76 | 76 | 73 | 93 |
| 2.5 | 82 | 81 | 80 | 79 | 80 | 79 | 78 | 76 | 96 |
| 3.0 | 83 | 82 | 81 | 81 | 81 | 80 | 79 | 77 | 98 |
| 4.0 | 84 | 83 | 83 | 82 | 82 | 82 | 80 | 79 | 99 |
| 5.0 | 84 | 84 | 84 | 83 | 83 | 82 | 81 | 79 | 100 |

**Luminance curve limit**




**UGR diagram**

Corrected UGR values (at 560 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 | 3.1 | 5.2 | 3.5 | 5.6 | 5.9 | 3.1 | 5.2 | 3.5 | 5.6 | 5.9 |
| | 3H | 3.0 | 4.6 | 3.3 | 4.9 | 5.2 | 3.0 | 4.6 | 3.3 | 4.9 | 5.2 |
| | 4H | 2.9 | 4.2 | 3.3 | 4.6 | 4.9 | 2.9 | 4.2 | 3.3 | 4.6 | 4.9 |
| | 6H | 2.9 | 3.9 | 3.3 | 4.2 | 4.6 | 2.9 | 3.9 | 3.2 | 4.2 | 4.6 |
| | 8H | 2.8 | 3.9 | 3.2 | 4.2 | 4.6 | 2.8 | 3.8 | 3.2 | 4.2 | 4.6 |
| | 12H | 2.8 | 3.8 | 3.2 | 4.2 | 4.6 | 2.8 | 3.8 | 3.2 | 4.1 | 4.5 |
| 4H | 2H | 2.9 | 4.2 | 3.3 | 4.6 | 4.9 | 2.9 | 4.2 | 3.3 | 4.6 | 4.9 |
| | 3H | 2.8 | 3.8 | 3.2 | 4.1 | 4.5 | 2.8 | 3.8 | 3.2 | 4.2 | 4.5 |
| | 4H | 2.6 | 3.7 | 3.1 | 4.0 | 4.5 | 2.6 | 3.7 | 3.1 | 4.0 | 4.5 |
| | 6H | 2.3 | 4.0 | 2.8 | 4.4 | 4.9 | 2.3 | 4.0 | 2.8 | 4.4 | 4.9 |
| | 8H | 2.2 | 4.1 | 2.7 | 4.5 | 5.0 | 2.2 | 4.0 | 2.6 | 4.5 | 5.0 |
| | 12H | 2.1 | 4.1 | 2.6 | 4.5 | 5.1 | 2.1 | 4.0 | 2.6 | 4.5 | 5.0 |
| 8H | 4H | 2.2 | 4.0 | 2.6 | 4.5 | 5.0 | 2.2 | 4.1 | 2.7 | 4.5 | 5.0 |
| | 6H | 2.1 | 3.9 | 2.6 | 4.3 | 4.9 | 2.1 | 3.9 | 2.6 | 4.4 | 4.9 |
| | 8H | 2.1 | 3.7 | 2.6 | 4.1 | 4.7 | 2.1 | 3.7 | 2.6 | 4.1 | 4.7 |
| | 12H | 2.3 | 3.3 | 2.8 | 3.8 | 4.3 | 2.2 | 3.2 | 2.8 | 3.7 | 4.3 |
| 12H | 4H | 2.1 | 4.0 | 2.6 | 4.5 | 5.0 | 2.1 | 4.1 | 2.6 | 4.5 | 5.1 |
| | 6H | 2.1 | 3.6 | 2.6 | 4.1 | 4.7 | 2.1 | 3.7 | 2.6 | 4.2 | 4.7 |
| | 8H | 2.2 | 3.2 | 2.8 | 3.7 | 4.3 | 2.3 | 3.3 | 2.8 | 3.8 | 4.3 |

Variations with the observer position at spacing:

| S = | | | |
|---|---|---|---|
| | 1.0H | 6.9 / -11.5 | 6.9 / -11.5 |
| | 1.5H | 9.7 / -11.7 | 9.7 / -11.7 |
| | 2.0H | 11.7 / -11.8 | 11.7 / -11.8 |