

Laser Blade XS

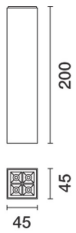
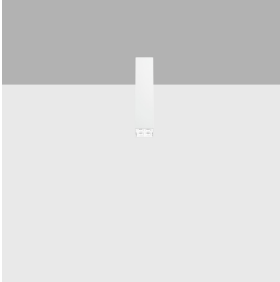
Design iGuzzini

iGuzzini

Last information update: October 2024

Product configuration: Q858

Q858: Ceiling-mounted LB XS square HC - 4 cells - Wide Flood beam - integrated driver



Product code

Q858: Ceiling-mounted LB XS square HC - 4 cells - Wide Flood beam - integrated driver

Technical description

Ceiling-mounted luminaire with 4 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 and a high level of controlled glare visual comfort. Extruded aluminium body - die-cast zamak technical dissipation unit - shaped steel fixing plate. ON-OFF 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 / Black (43) | Black / White (47) | White/Gold (41)* | Black/gold (44)* | White / burnished chrome (E7)* | Black/burnished chrome (F1)*

Weight (Kg)

0.41

* Colours on request

Mounting

ceiling surface

Wiring

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

Complies with EN60598-1 and pertinent regulations



Technical data

| | | | |
|--|------|---------------------------------------|---------------------------------|
| Im system: | 647 | CRI (minimum): | 90 |
| W system: | 10.2 | Colour temperature [K]: | 3000 |
| Im source: | 780 | MacAdam Step: | 2 |
| W source: | 8 | Life Time LED 1: | > 50,000h - L80 - B10 (Ta 25°C) |
| Luminous efficiency (lm/W, real value): | 63.5 | Voltage [Vin]: | 230 |
| Im in emergency mode: | - | Lamp code: | LED |
| Total light flux at or above an angle of 90° [Lm]: | 0 | Number of lamps for optical assembly: | 1 |
| Light Output Ratio (L.O.R.) [%]: | 83 | ZVEI Code: | LED |
| Beam angle [°]: | 58° | Number of optical assemblies: | 1 |

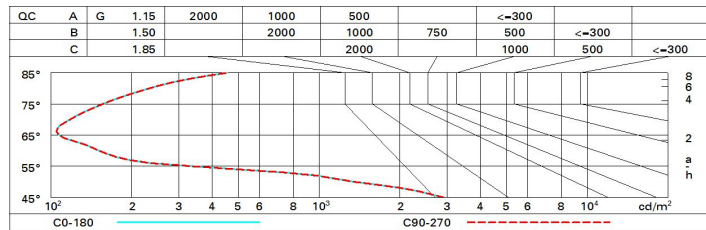
Polar

| | | | | | |
|------------------------------|--|------------|-----|-----|------------------|
| <p>Imax=825 cd α=58°</p> | <p>CIE nL 0.83 100-100-100-100-83 UGR 16.6-16.6 DIN A.61 UTE 0.83A+0.00T F*1=996 F*1+F*2=1000 F*1+F*2+F*3=1000 CIBSE LG3 L<1500 cd/m² at 65° UGR<19 L<1500 cd/mq @65°</p> | Lux | | | |
| | | h | d | Em | E _{max} |
| | | 1 | 1.1 | 656 | 818 |
| | | 2 | 2.2 | 164 | 205 |
| | | 3 | 3.3 | 73 | 91 |
| 4 | 4.4 | 41 | 51 | | |

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 | 79 | 77 | 76 | 78 | 77 | 76 | 73 | 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 | 86 | 85 | 83 | 100 |

Luminance curve limit



UGR diagram

| Corrected UGR values (at 780 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 | 17.1 | 17.7 | 17.4 | 18.0 | 18.2 | 17.1 | 17.7 | 17.4 | 18.0 | 18.2 |
| | 3H | 17.0 | 17.5 | 17.3 | 17.8 | 18.1 | 17.0 | 17.5 | 17.3 | 17.8 | 18.1 |
| | 4H | 16.9 | 17.4 | 17.3 | 17.7 | 18.0 | 16.9 | 17.4 | 17.3 | 17.7 | 18.0 |
| | 6H | 16.9 | 17.3 | 17.2 | 17.6 | 18.0 | 16.9 | 17.3 | 17.2 | 17.6 | 18.0 |
| | 8H | 16.8 | 17.3 | 17.2 | 17.6 | 17.9 | 16.8 | 17.3 | 17.2 | 17.6 | 17.9 |
| | 12H | 16.8 | 17.2 | 17.2 | 17.5 | 17.9 | 16.8 | 17.2 | 17.2 | 17.5 | 17.9 |
| 4H | 2H | 16.9 | 17.4 | 17.3 | 17.7 | 18.0 | 16.9 | 17.4 | 17.3 | 17.7 | 18.0 |
| | 3H | 16.8 | 17.2 | 17.2 | 17.5 | 17.9 | 16.8 | 17.2 | 17.2 | 17.5 | 17.9 |
| | 4H | 16.7 | 17.1 | 17.1 | 17.4 | 17.8 | 16.7 | 17.1 | 17.1 | 17.4 | 17.8 |
| | 6H | 16.6 | 16.9 | 17.0 | 17.3 | 17.7 | 16.6 | 16.9 | 17.0 | 17.3 | 17.7 |
| | 8H | 16.6 | 16.9 | 17.0 | 17.3 | 17.7 | 16.6 | 16.9 | 17.0 | 17.3 | 17.7 |
| | 12H | 16.5 | 16.8 | 17.0 | 17.2 | 17.7 | 16.5 | 16.8 | 17.0 | 17.2 | 17.7 |
| 8H | 4H | 16.6 | 16.9 | 17.0 | 17.3 | 17.7 | 16.6 | 16.9 | 17.0 | 17.3 | 17.7 |
| | 6H | 16.5 | 16.7 | 16.9 | 17.2 | 17.6 | 16.5 | 16.7 | 16.9 | 17.2 | 17.6 |
| | 8H | 16.4 | 16.6 | 16.9 | 17.1 | 17.6 | 16.4 | 16.6 | 16.9 | 17.1 | 17.6 |
| | 12H | 16.4 | 16.5 | 16.9 | 17.0 | 17.5 | 16.4 | 16.5 | 16.9 | 17.0 | 17.5 |
| 12H | 4H | 16.5 | 16.8 | 17.0 | 17.2 | 17.7 | 16.5 | 16.8 | 17.0 | 17.2 | 17.7 |
| | 6H | 16.4 | 16.6 | 16.9 | 17.1 | 17.6 | 16.4 | 16.6 | 16.9 | 17.1 | 17.6 |
| | 8H | 16.4 | 16.5 | 16.9 | 17.0 | 17.5 | 16.4 | 16.5 | 16.9 | 17.0 | 17.5 |
| Variations with the observer position at spacing: | | | | | | | | | | | |
| S = | 1.0H | 6.5 / -24.9 | | | | | 6.5 / -24.9 | | | | |
| | 1.5H | 9.4 / -25.6 | | | | | 9.4 / -25.6 | | | | |
| | 2.0H | 11.4 / -25.8 | | | | | 11.4 / -25.8 | | | | |