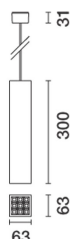


## Laser Blade XS

Design iGuzzini

iGuzzini

Last information update: May 2018



### LB XS pendant HC - 9 cells - Wide Flood beam - integrated driver

#### Product code

Q872

#### Technical description

Pendant luminaire with 9 optical elements for LED lamps, ideal for zenithal accent lighting. Despite the ultracompact size of the product, the patented technology of the optic system guarantees an efficient luminous flux and a high level of visual comfort. Metallised thermoplastic high definition Opti-Beam reflectors. Extruded aluminium body and die-cast zamak technical dissipation unit. Thermoplastic ceiling rose with shaped steel fixing plate. PVC power/pendant cable in the same colour as the external finish. The cable connection on the pendant body is fitted with a manual adjustment system that facilitates alignment. ON-OFF driver integrated in luminaire body.

#### Installation

Ceiling rose with surface fixing plate (screws and screw anchors not included)

#### Dimension (mm)

63x63x300

#### Colour

White (01) | White/Brass (41) | Black/Black (43) | (44) | Black/White (47) | (E7) | (F1)

#### Weight (Kg)

0.92

#### Mounting

ceiling pendant

#### Wiring

Connection terminal included on ceiling plate - the pendant cable can be adjusted on the pendant body

Complies with EN60598-1 and pertinent regulations



IP20



#### Product configuration: Q872

#### Product characteristics

Total lighting output [Lm]: 1204  
Total power [W]: 17.7  
Luminous efficacy [Lm/W]: 68  
Life Time: > 50,000h - L80 - B10 (Ta 25°C)

Total luminous flux at or above an angle of 90° [Lm]: 0  
Emergency luminous flux [Lm]: /  
Voltage [V]: 230  
Number of optical assemblies: 1

#### Optical assembly Characteristics Type 1

Light Output Ratio (L.O.R.) [%]: 83  
Lamp code: LED  
ZVEI Code: LED  
Nominal power [W]: 15  
Nominal luminous [Lm]: 1450  
Lamp maximum intensity [cd]: /  
Beam angle [°]: 58°

Number of lamps for optical assembly: 1  
Socket: /  
Ballast losses [W]: 2.7  
Colour temperature [K]: 4000  
CRI: 90  
Wavelength [Nm]: /  
MacAdam Step: 3

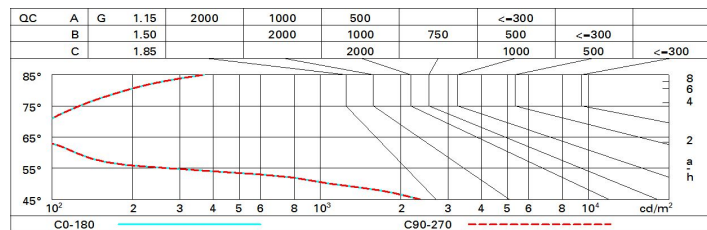
#### Polar

| Imax=1534 cd |      | CIE<br>nL 0.83<br>100-100-100-100-83<br>UGR 15.8-15.8<br><b>DIN</b><br>A.61<br><b>UTE</b><br>0.83A+0.00T<br>F*1=996<br>F*1+F*2=1000<br>F*1+F*2+F*3=1000<br><b>CIBSE</b><br>LG3 L<500 cd/m² at 65° | Lux |     |      |      |  |
|--------------|------|---|-----|-----|------|------|--|
| 90°          | 180° |   | h   | d   | Em   | Emax |  |
|              |      |   | 1   | 1.1 | 1219 | 1521 |  |
|              |      |   | 2   | 2.2 | 305  | 380  |  |
|              |      |   | 3   | 3.3 | 135  | 169  |  |
|              |      |   | 4   | 4.4 | 76   | 95   |  |
| α=58°        |      |   |     |     |      |      |  |

# 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 1450 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  | 16.4             | 17.0 | 16.7 | 17.2 | 17.5 | 16.4           | 17.0 | 16.7 | 17.2 | 17.5 |
|   | 3H  | 16.3             | 16.8 | 16.6 | 17.1 | 17.4 | 16.3           | 16.8 | 16.6 | 17.1 | 17.4 |
|   | 4H  | 16.2             | 16.7 | 16.5 | 17.0 | 17.3 | 16.2           | 16.7 | 16.5 | 17.0 | 17.3 |
|   | 6H  | 16.1             | 16.6 | 16.5 | 16.9 | 17.2 | 16.1           | 16.6 | 16.5 | 16.9 | 17.2 |
|   | 8H  | 16.1             | 16.5 | 16.5 | 16.9 | 17.2 | 16.1           | 16.5 | 16.5 | 16.9 | 17.2 |
| 4H  | 12H | 16.1             | 16.5 | 16.4 | 16.8 | 17.2 | 16.1           | 16.5 | 16.4 | 16.8 | 17.2 |
|   | 2H  | 16.2             | 16.7 | 16.5 | 17.0 | 17.3 | 16.2           | 16.7 | 16.5 | 17.0 | 17.3 |
|   | 3H  | 16.1             | 16.5 | 16.4 | 16.8 | 17.2 | 16.1           | 16.5 | 16.4 | 16.8 | 17.2 |
|   | 4H  | 16.0             | 16.3 | 16.4 | 16.7 | 17.1 | 16.0           | 16.3 | 16.4 | 16.7 | 17.1 |
|   | 6H  | 15.9             | 16.2 | 16.3 | 16.6 | 17.0 | 15.9           | 16.2 | 16.3 | 16.6 | 17.0 |
| 8H  | 8H  | 15.8             | 16.1 | 16.3 | 16.5 | 17.0 | 15.8           | 16.1 | 16.3 | 16.5 | 17.0 |
|   | 12H | 15.8             | 16.0 | 16.2 | 16.5 | 16.9 | 15.8           | 16.0 | 16.2 | 16.5 | 16.9 |
|   | 4H  | 15.8             | 16.1 | 16.3 | 16.5 | 17.0 | 15.8           | 16.1 | 16.3 | 16.5 | 17.0 |
|   | 6H  | 15.7             | 16.0 | 16.2 | 16.4 | 16.9 | 15.7           | 16.0 | 16.2 | 16.4 | 16.9 |
|   | 8H  | 15.7             | 15.9 | 16.2 | 16.4 | 16.9 | 15.7           | 15.9 | 16.2 | 16.4 | 16.9 |
| 12H   | 12H | 15.6             | 15.8 | 16.1 | 16.3 | 16.8 | 15.6           | 15.8 | 16.1 | 16.3 | 16.8 |
|   | 4H  | 15.8             | 16.0 | 16.2 | 16.5 | 16.9 | 15.8           | 16.0 | 16.2 | 16.5 | 16.9 |
|   | 6H  | 15.7             | 15.9 | 16.2 | 16.4 | 16.9 | 15.7           | 15.9 | 16.2 | 16.4 | 16.9 |
|   | 8H  | 15.6             | 15.8 | 16.1 | 16.3 | 16.8 | 15.6           | 15.8 | 16.1 | 16.3 | 16.8 |
| Variations with the observer position at spacing:         |     |                  |      |      |      |      |                |      |      |      |      |
| S =   |     | 0.5 / -24.9      |      |      |      |      | 0.5 / -24.9    |      |      |      |      |
|   |     | 1.5H / -25.6     |      |      |      |      | 1.5H / -25.6   |      |      |      |      |
|   |     | 2.0H / -25.8     |      |      |      |      | 2.0H / -25.8   |      |      |      |      |