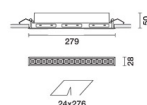
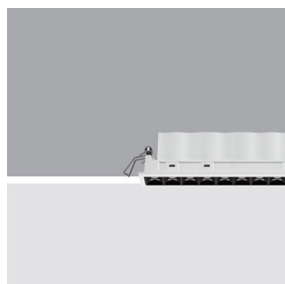


Laser Blade XS

Design iGuzzini

iGuzzini

Last information update: May 2018



Frame 15 cells - Medium beam - Tunable White - LED

Product code

Q786

Technical description

Linear 15 optic element recessed miniaturised luminaire. Using LED lamps with a high colour rendering index and a different colour temperature allows dynamic light modulation to be obtained. The variation is achieved by mixing an emission of 8 x 2700K LEDs and 7 x 5700K LEDs. Despite the disparity of lamps that use extreme channels - 2700K and 5700K - the intensity of the flux emitted remains the same. Moreover, even when products of different sizes are used, the colour temperature remains constant and uniform. 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. The product is designed to be used together with codes 6170 + M630 to obtain a solution suitable for small to medium systems that can be programmed with a DALI protocol via a simple and intuitive user touch-panel. Other management systems are also available with a separate code for larger systems that require the intervention of a specialised technician to programme them: the MH97 + MH93 + MI02 group offers a DALI / KNX programmable solution, and the MH97 + MH93 + M618 group allows the system management to be extended to remote devices like tablet and smartphones too.

Installation

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

Dimension (mm)

279x28x50

Colour

White (01) | White/Brass (41) | Black/Black (43) | Black/White (47) | Grey/Black (74) | (E7)

Weight (Kg)

0.88

Mounting

wall recessed|ceiling recessed

Wiring

DALI control gear units included. Different management systems are available with a separate code. For technical details, properties and connection procedures see the instruction sheet.

Complies with EN60598-1 and pertinent regulations



Product configuration: Q786

Product characteristics

Total lighting output [Lm]: 1817
Total power [W]: 32.8
Luminous efficacy [Lm/W]: 55.4
Life Time: > 50,000h - L80 - B10 (Ta 25°C)

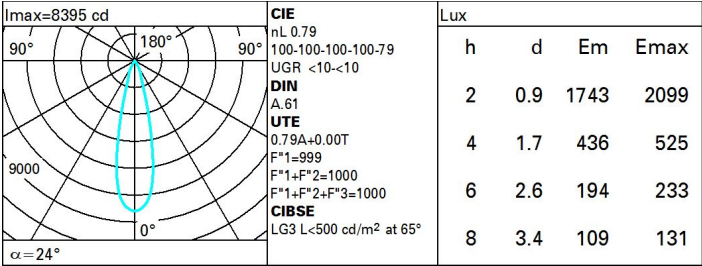
Total luminous flux at or above an angle of 90° [Lm]: 0
Emergency luminous flux [Lm]: /
Voltage [V]: -
Number of optical assemblies: 1

Optical assembly Characteristics Type 1

Light Output Ratio (L.O.R.) [%]: 79
Lamp code: LED
ZVEI Code: LED
Nominal power [W]: 27
Nominal luminous [Lm]: 2300
Lamp maximum intensity [cd]: /
Beam angle [°]: 24°

Number of lamps for optical assembly: 1
Socket: /
Ballast losses [W]: 5.8
Colour temperature [K]: /
CRI: /
Wavelength [Nm]: /
MacAdam Step: /

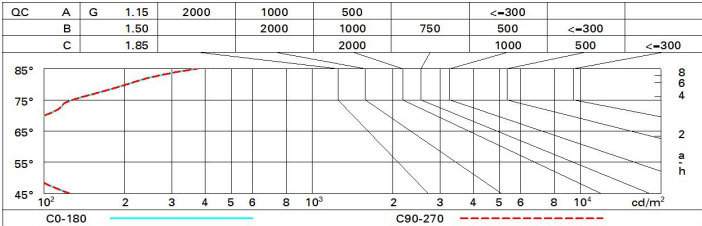
Polar



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 2300 lm bare lamp luminous flux) | | | | | | | | | | | |
|--|-----|---------------------|--------------|------|------|------|-------------------|--------------|------|------|------|
| Reflect.: ceiling/cav walls work pl. Room dim x y | | 0.70 | 0.70 | 0.50 | 0.50 | 0.30 | 0.70 | 0.70 | 0.50 | 0.50 | 0.30 |
| | | 0.50 | 0.30 | 0.50 | 0.30 | 0.30 | 0.50 | 0.30 | 0.50 | 0.30 | 0.30 |
| | | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 |
| | | viewed crosswise | | | | | viewed endwise | | | | |
| 2H | 2H | 2.4 | 4.5 | 2.8 | 4.8 | 5.2 | 2.4 | 4.5 | 2.8 | 4.8 | 5.2 |
| | 3H | 2.3 | 3.9 | 2.6 | 4.2 | 4.5 | 2.3 | 3.9 | 2.6 | 4.2 | 4.5 |
| | 4H | 2.2 | 3.5 | 2.6 | 3.9 | 4.2 | 2.2 | 3.5 | 2.6 | 3.9 | 4.2 |
| | 6H | 2.2 | 3.2 | 2.5 | 3.5 | 3.9 | 2.1 | 3.2 | 2.5 | 3.5 | 3.9 |
| | 8H | 2.1 | 3.1 | 2.5 | 3.5 | 3.9 | 2.1 | 3.1 | 2.5 | 3.5 | 3.8 |
| | 12H | 2.1 | 3.1 | 2.5 | 3.5 | 3.8 | 2.0 | 3.1 | 2.5 | 3.4 | 3.8 |
| 4H | 2H | 2.2 | 3.5 | 2.6 | 3.9 | 4.2 | 2.2 | 3.5 | 2.6 | 3.9 | 4.2 |
| | 3H | 2.1 | 3.1 | 2.5 | 3.4 | 3.8 | 2.1 | 3.1 | 2.5 | 3.4 | 3.8 |
| | 4H | 1.9 | 2.9 | 2.4 | 3.3 | 3.7 | 1.9 | 2.9 | 2.4 | 3.3 | 3.7 |
| | 6H | 1.6 | 3.3 | 2.1 | 3.7 | 4.2 | 1.6 | 3.3 | 2.1 | 3.7 | 4.2 |
| | 8H | 1.5 | 3.4 | 2.0 | 3.8 | 4.3 | 1.4 | 3.3 | 1.9 | 3.8 | 4.3 |
| | 12H | 1.4 | 3.4 | 1.9 | 3.8 | 4.4 | 1.3 | 3.3 | 1.8 | 3.8 | 4.3 |
| 8H | 4H | 1.4 | 3.3 | 1.9 | 3.8 | 4.3 | 1.5 | 3.4 | 2.0 | 3.8 | 4.3 |
| | 6H | 1.4 | 3.1 | 1.9 | 3.6 | 4.2 | 1.4 | 3.2 | 1.9 | 3.6 | 4.2 |
| | 8H | 1.4 | 2.9 | 1.9 | 3.4 | 4.0 | 1.4 | 2.9 | 1.9 | 3.4 | 4.0 |
| | 12H | 1.6 | 2.6 | 2.1 | 3.1 | 3.6 | 1.5 | 2.5 | 2.0 | 3.0 | 3.6 |
| 12H | 4H | 1.3 | 3.3 | 1.8 | 3.8 | 4.3 | 1.4 | 3.4 | 1.9 | 3.8 | 4.4 |
| | 6H | 1.3 | 2.9 | 1.9 | 3.4 | 4.0 | 1.4 | 3.0 | 1.9 | 3.5 | 4.0 |
| | 8H | 1.5 | 2.5 | 2.0 | 3.0 | 3.6 | 1.6 | 2.6 | 2.1 | 3.1 | 3.6 |
| 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 | | | |