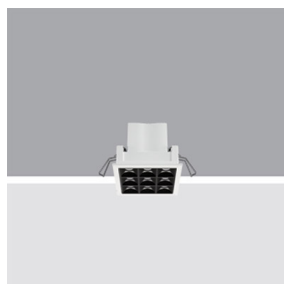


Last information update: June 2018



Frame 9 cells - Flood beam - LED

Product code

Q504

Technical description

Square miniaturised recessed luminaire with 9 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 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.

Installation

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

Dimension (mm)

65x65x50

Colour

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

Weight (Kg)

0.3

Mounting

wall recessed|ceiling recessed

Wiring

On the power supply unit with terminal board included.

Notes

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Complies with EN60598-1 and pertinent regulations



IP20



pending

Product configuration: Q504

Product characteristics

Total lighting output [Lm]: 955
Total power [W]: 17.7
Luminous efficacy [Lm/W]: 53.9
Life Time: > 50,000h - L80 - B10 (Ta 25°C)

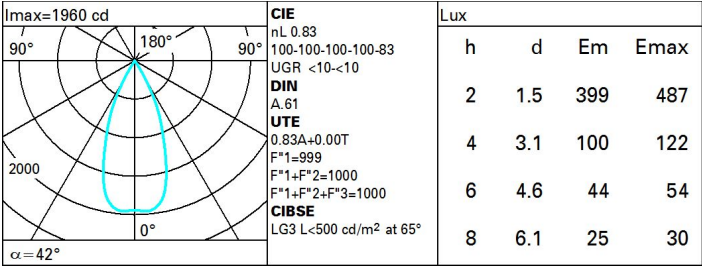
Total luminous flux at or above an angle of 90° [Lm]: 0
Emergency luminous flux [Lm]: /
Voltage [V]: 230
Number of optical assemblies: 1

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]: 1150
Lamp maximum intensity [cd]: /
Beam angle [°]: 42°

Number of lamps for optical assembly: 1
Socket: /
Ballast losses [W]: 2.7
Colour temperature [K]: 2700
CRI: 90
Wavelength [Nm]: /
MacAdam Step: 3

Polar



UGR diagram

| Corrected UGR values (at 1150 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 | 0.30 |
| | | 0.50 | 0.30 | 0.50 | 0.30 | 0.30 | 0.50 | 0.30 | 0.50 | 0.30 | 0.30 | 0.30 |
| | | 0.20 | 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 | 5.8 | 6.4 | 6.1 | 6.6 | 6.9 | 5.8 | 6.4 | 6.1 | 6.6 | 6.9 | |
| | 3H | 5.7 | 6.2 | 6.0 | 6.5 | 6.8 | 5.7 | 6.2 | 6.0 | 6.5 | 6.8 | |
| | 4H | 5.6 | 6.1 | 6.0 | 6.4 | 6.7 | 5.6 | 6.1 | 6.0 | 6.4 | 6.7 | |
| | 6H | 5.6 | 6.0 | 5.9 | 6.3 | 6.6 | 5.5 | 6.0 | 5.9 | 6.3 | 6.6 | |
| | 8H | 5.5 | 6.0 | 5.9 | 6.3 | 6.6 | 5.5 | 5.9 | 5.9 | 6.3 | 6.6 | |
| | 12H | 5.5 | 5.9 | 5.9 | 6.2 | 6.6 | 5.5 | 5.9 | 5.8 | 6.2 | 6.6 | |
| 4H | 2H | 5.6 | 6.1 | 6.0 | 6.4 | 6.7 | 5.6 | 6.1 | 6.0 | 6.4 | 6.7 | |
| | 3H | 5.5 | 5.9 | 5.8 | 6.2 | 6.6 | 5.5 | 5.9 | 5.9 | 6.2 | 6.6 | |
| | 4H | 5.4 | 5.7 | 5.8 | 6.1 | 6.5 | 5.4 | 5.7 | 5.8 | 6.1 | 6.5 | |
| | 6H | 5.3 | 5.6 | 5.7 | 6.0 | 6.4 | 5.3 | 5.6 | 5.7 | 6.0 | 6.4 | |
| | 8H | 5.3 | 5.6 | 5.7 | 6.0 | 6.4 | 5.3 | 5.5 | 5.7 | 6.0 | 6.4 | |
| | 12H | 5.2 | 5.5 | 5.7 | 5.9 | 6.4 | 5.2 | 5.5 | 5.7 | 5.9 | 6.4 | |
| 8H | 4H | 5.3 | 5.5 | 5.7 | 6.0 | 6.4 | 5.3 | 5.6 | 5.7 | 6.0 | 6.4 | |
| | 6H | 5.2 | 5.4 | 5.6 | 5.9 | 6.3 | 5.2 | 5.4 | 5.6 | 5.9 | 6.3 | |
| | 8H | 5.1 | 5.3 | 5.6 | 5.8 | 6.3 | 5.1 | 5.3 | 5.6 | 5.8 | 6.3 | |
| | 12H | 5.1 | 5.3 | 5.6 | 5.8 | 6.3 | 5.1 | 5.3 | 5.6 | 5.7 | 6.3 | |
| 12H | 4H | 5.2 | 5.5 | 5.7 | 5.9 | 6.4 | 5.2 | 5.5 | 5.7 | 5.9 | 6.4 | |
| | 6H | 5.1 | 5.3 | 5.6 | 5.8 | 6.3 | 5.1 | 5.3 | 5.6 | 5.8 | 6.3 | |
| | 8H | 5.1 | 5.3 | 5.6 | 5.7 | 6.3 | 5.1 | 5.3 | 5.6 | 5.8 | 6.3 | |
| 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 | | | | |