

Last information update: June 2018

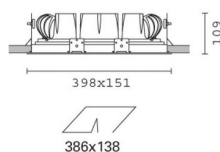


rectangular recessed luminaire with 3 optical assemblies - warm white passive dissipation LEDs - integrated DALI control gear - medium

Product code
Q226

Technical description

Multiple recessed adjustable removable luminaire for LED lamp with passive heat dissipation system. Sheet steel perimeter frame. Main structure made of die-cast aluminium. Steel rotation hinges. Die-cast aluminium lamp bodies with shaped surface for high level radiant effect for effectively reducing the temperature and keeping the long-term LED lamp performance unchanged. Chrome-plated aluminium lamp body closing rings. Riflettori con ottica ad alta efficienza in alluminio superpuro - apertura medium. Orientamento dei corpi con dispositivi di manovra manuale: interno 29° - esterno 75° - rotazione sull'asse 355°; in fase di orientamento e rotazione i corpi lampada sono soggetti ad alcune limitazioni consultabili sul foglio istruzioni. Supplied with DALI dimmable control gear units connected to the luminaire. Warm white high efficiency LED.



Installation

recessed: preparation slot 138 x 386 mm; perimeter frame preliminary fixing on false ceiling (min. thickness 1 mm) with adjustable metal brackets; main structure inserted and mechanically locked on the frame

Dimension (mm)
398x151x109

Colour

White/Aluminium (39) | Grey/Black/Aluminium (E1)

Weight (Kg)
3.5

Mounting
ceiling recessed

Wiring

on control gear box with quick-coupling connections; each lamp body has a specific ballast, allowing separate switch ons

Notes

the configuration of the lamp bodies causes some limitations during angling and rotation; consult the instructions leaflet

Complies with EN60598-1 and pertinent regulations



Product configuration: Q226

Product characteristics

Total lighting output [Lm]: 7110
Total power [W]: 73.8
Luminous efficacy [Lm/W]: 96.3
Life Time: > 50,000h - L80 - B10 (Ta 25°C)

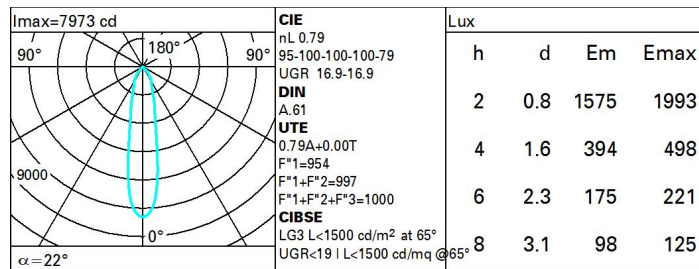
Total luminous flux at or above an angle of 90° [Lm]: 0
Emergency luminous flux [Lm]: /
Voltage [V]: -
Number of optical assemblies: 3

Optical assembly Characteristics Type 1

Light Output Ratio (L.O.R.) [%]: 79
Lamp code: LED
ZVEI Code: LED
Nominal power [W]: 22
Nominal luminous [Lm]: 3000
Lamp maximum intensity [cd]: /
Beam angle [°]: 22°

Number of lamps for optical assembly: 1
Socket: /
Ballast losses [W]: 2.6
Colour temperature [K]: 3000
CRI: 80
Wavelength [nm]: /
MacAdam Step: 2

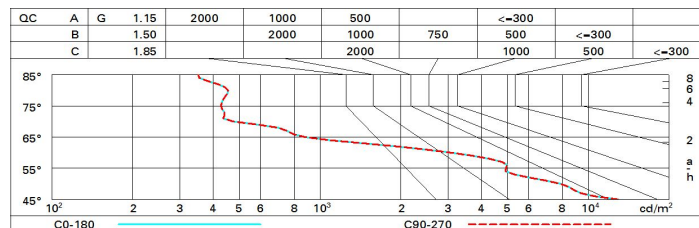
Polar



Utilisation factors

| R | 77 | 75 | 73 | 71 | 55 | 53 | 33 | 00 | DRR |
|------|----|----|----|----|----|----|----|----|-----|
| K0.8 | 70 | 66 | 63 | 61 | 65 | 62 | 62 | 59 | 75 |
| 1.0 | 73 | 70 | 67 | 65 | 69 | 66 | 66 | 63 | 80 |
| 1.5 | 77 | 75 | 72 | 71 | 74 | 72 | 71 | 68 | 87 |
| 2.0 | 80 | 78 | 76 | 75 | 77 | 75 | 74 | 72 | 91 |
| 2.5 | 81 | 80 | 79 | 78 | 79 | 78 | 77 | 75 | 94 |
| 3.0 | 82 | 81 | 80 | 80 | 80 | 79 | 78 | 76 | 96 |
| 4.0 | 84 | 83 | 82 | 81 | 81 | 81 | 80 | 78 | 98 |
| 5.0 | 84 | 83 | 83 | 83 | 82 | 82 | 80 | 78 | 99 |

Luminance curve limit



UGR diagram

| Corrected UGR values (at 3000 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 | 17.7 | 19.3 | 18.0 | 19.6 | 19.9 | 17.7 | 19.3 | 18.0 | 19.6 | 19.9 | |
| | 3H | 17.6 | 18.8 | 17.9 | 19.1 | 19.4 | 17.6 | 18.8 | 17.9 | 19.1 | 19.4 | |
| | 4H | 17.5 | 18.6 | 17.9 | 18.9 | 19.2 | 17.5 | 18.6 | 17.9 | 18.9 | 19.3 | |
| | 6H | 17.4 | 18.5 | 17.8 | 18.8 | 19.2 | 17.4 | 18.5 | 17.8 | 18.8 | 19.2 | |
| | 8H | 17.3 | 18.4 | 17.7 | 18.8 | 19.2 | 17.3 | 18.4 | 17.7 | 18.8 | 19.2 | |
| | 12H | 17.3 | 18.4 | 17.7 | 18.7 | 19.1 | 17.3 | 18.4 | 17.7 | 18.7 | 19.1 | |
| 4H | 2H | 17.5 | 18.6 | 17.9 | 18.9 | 19.3 | 17.5 | 18.6 | 17.9 | 18.9 | 19.2 | |
| | 3H | 17.3 | 18.4 | 17.7 | 18.7 | 19.1 | 17.3 | 18.4 | 17.7 | 18.7 | 19.1 | |
| | 4H | 17.2 | 18.2 | 17.6 | 18.6 | 19.0 | 17.2 | 18.2 | 17.6 | 18.6 | 19.0 | |
| | 6H | 17.0 | 18.3 | 17.4 | 18.7 | 19.1 | 17.0 | 18.3 | 17.4 | 18.7 | 19.1 | |
| | 8H | 16.9 | 18.3 | 17.3 | 18.7 | 19.2 | 16.9 | 18.3 | 17.3 | 18.7 | 19.2 | |
| | 12H | 16.7 | 18.3 | 17.2 | 18.7 | 19.2 | 16.7 | 18.3 | 17.2 | 18.7 | 19.2 | |
| 8H | 4H | 16.9 | 18.3 | 17.3 | 18.7 | 19.2 | 16.9 | 18.3 | 17.3 | 18.7 | 19.2 | |
| | 6H | 16.7 | 18.1 | 17.2 | 18.6 | 19.1 | 16.7 | 18.1 | 17.2 | 18.6 | 19.1 | |
| | 8H | 16.7 | 17.9 | 17.2 | 18.4 | 18.9 | 16.7 | 17.9 | 17.2 | 18.4 | 18.9 | |
| | 12H | 16.8 | 17.7 | 17.3 | 18.2 | 18.7 | 16.8 | 17.7 | 17.3 | 18.2 | 18.7 | |
| 12H | 4H | 16.7 | 18.3 | 17.2 | 18.7 | 19.2 | 16.7 | 18.3 | 17.2 | 18.7 | 19.2 | |
| | 6H | 16.7 | 17.9 | 17.2 | 18.4 | 18.9 | 16.7 | 17.9 | 17.2 | 18.4 | 18.9 | |
| | 8H | 16.8 | 17.7 | 17.3 | 18.2 | 18.7 | 16.8 | 17.7 | 17.3 | 18.2 | 18.7 | |
| Variations with the observer position at spacing: | | | | | | | | | | | | |
| S = | | 1.0H | 4.3 / -9.6 | | 4.3 / -9.6 | | | | | | | |
| | | 1.5H | 7.1 / -15.0 | | 7.1 / -15.0 | | | | | | | |
| | | 2.0H | 9.1 / -18.0 | | 9.1 / -18.0 | | | | | | | |