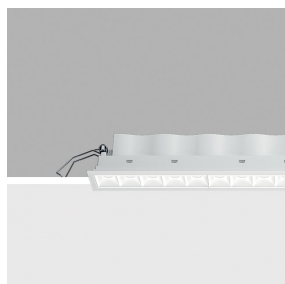


Last information update: May 2018



Frame recessed luminaire - 15 cells - General Lighting Pro - DALI

Product code

Q941

Technical description

Rectangular recessed luminaire with 15 optical elements for LED lamps - fixed optics with metallised thermoplastic high definition Opti-Beam reflectors, integrated in a set-back position in the anti-glare screen. Main body with die-cast aluminium radiant surface, version with perimeter surface frame. The total white finish and the patented technology of the optic system guarantee an even and efficient luminous flux optimised by a special diffuser screen that reduces direct glare significantly. Supplied with DALI dimmable electronic control gear connected to the luminaire.

Installation

Recessed with steel wire springs for false ceilings from 1 to 25 mm thick - preparation hole 37 x 406.

Dimension (mm)

413x44x54

Colour

White (01)

Weight (Kg)

0.86

Mounting

wall recessed|ceiling recessed

Wiring

On control gear box with quick-coupling connections.

Complies with EN60598-1 and pertinent regulations



Product configuration: Q941

Product characteristics

Total lighting output [Lm]: 1987
 Total power [W]: 31
 Luminous efficacy [Lm/W]: 64.1
 Number of optical assemblies: 1

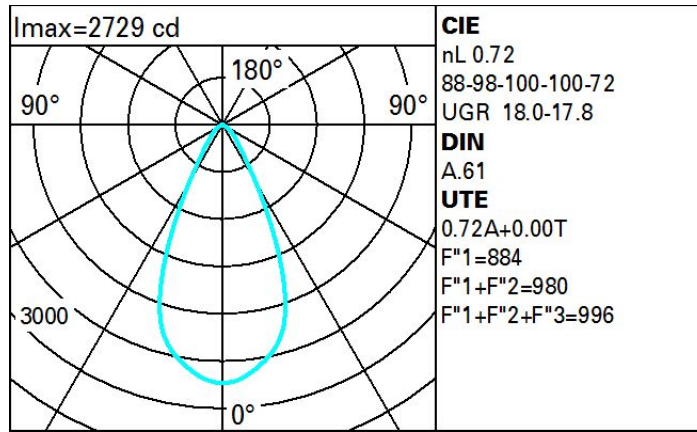
Total luminous flux at or above an angle of 90° [Lm]: 0
 Emergency luminous flux [Lm]: /
 Voltage [V]: -

Optical assembly Characteristics Type 1

Light Output Ratio (L.O.R.) [%]: 72
 Lamp code: LED
 ZVEI Code: LED
 Nominal power [W]: 31
 Nominal luminous [Lm]: 2760
 Lamp maximum intensity [cd]: /
 Beam angle [°]: /

Number of lamps for optical assembly: 1
 Socket: /
 Ballast losses [W]: 0
 Colour temperature [K]: 4000
 CRI: 95
 Wavelength [Nm]: /
 MacAdam Step: 3

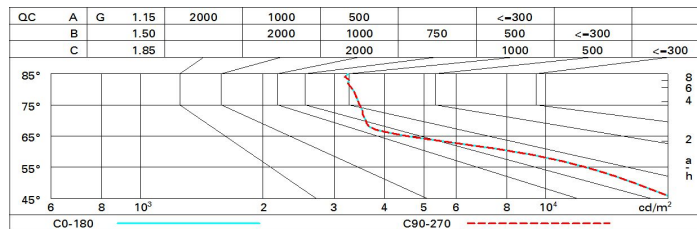
Polar



Utilisation factors

| R | 77 | 75 | 73 | 71 | 55 | 53 | 33 | 00 | DRR |
|------|----|----|----|----|----|----|----|----|-----|
| K0.8 | 61 | 57 | 54 | 52 | 56 | 53 | 53 | 50 | 70 |
| 1.0 | 65 | 61 | 58 | 56 | 60 | 57 | 57 | 54 | 75 |
| 1.5 | 69 | 66 | 64 | 62 | 65 | 63 | 62 | 60 | 83 |
| 2.0 | 72 | 69 | 68 | 66 | 68 | 67 | 66 | 64 | 88 |
| 2.5 | 73 | 72 | 70 | 69 | 70 | 69 | 68 | 66 | 92 |
| 3.0 | 74 | 73 | 72 | 71 | 72 | 71 | 70 | 68 | 94 |
| 4.0 | 75 | 74 | 74 | 73 | 73 | 72 | 71 | 69 | 96 |
| 5.0 | 76 | 75 | 74 | 74 | 74 | 73 | 72 | 70 | 97 |

Luminance curve limit



UGR diagram

| Corrected UGR values (at 2760 lm bare lamp luminous flux) | | | | | | | | | | | |
|---|------|------------------|------|------|------|------|----------------|------|------|------|------|
| Reflect.: | | 0.70 | 0.70 | 0.50 | 0.50 | 0.30 | 0.70 | 0.70 | 0.50 | 0.50 | 0.30 |
| 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 | 17.7 | 18.4 | 18.0 | 18.6 | 18.9 | 17.7 | 18.4 | 18.0 | 18.6 | 18.9 |
| | 3H | 17.8 | 18.4 | 18.1 | 18.6 | 18.9 | 17.8 | 18.4 | 18.1 | 18.7 | 18.9 |
| | 4H | 17.8 | 18.3 | 18.1 | 18.6 | 18.9 | 17.7 | 18.3 | 18.1 | 18.6 | 18.9 |
| | 6H | 17.8 | 18.3 | 18.1 | 18.6 | 19.0 | 17.7 | 18.2 | 18.0 | 18.5 | 18.8 |
| | 8H | 17.8 | 18.3 | 18.2 | 18.6 | 19.0 | 17.6 | 18.1 | 18.0 | 18.5 | 18.8 |
| | 12H | 17.8 | 18.3 | 18.2 | 18.6 | 19.0 | 17.6 | 18.1 | 18.0 | 18.4 | 18.8 |
| 4H | 2H | 17.7 | 18.3 | 18.1 | 18.6 | 18.9 | 17.8 | 18.3 | 18.1 | 18.6 | 18.9 |
| | 3H | 17.8 | 18.3 | 18.2 | 18.6 | 19.0 | 17.9 | 18.4 | 18.3 | 18.7 | 19.1 |
| | 4H | 17.9 | 18.3 | 18.3 | 18.7 | 19.1 | 17.9 | 18.3 | 18.3 | 18.7 | 19.1 |
| | 6H | 17.9 | 18.3 | 18.4 | 18.7 | 19.1 | 17.8 | 18.2 | 18.3 | 18.6 | 19.0 |
| | 8H | 18.0 | 18.3 | 18.4 | 18.7 | 19.2 | 17.8 | 18.2 | 18.3 | 18.6 | 19.0 |
| | 12H | 18.0 | 18.3 | 18.4 | 18.7 | 19.2 | 17.8 | 18.1 | 18.2 | 18.5 | 19.0 |
| 8H | 4H | 17.8 | 18.2 | 18.3 | 18.6 | 19.0 | 18.0 | 18.3 | 18.4 | 18.7 | 19.2 |
| | 6H | 17.9 | 18.2 | 18.4 | 18.7 | 19.1 | 18.0 | 18.3 | 18.5 | 18.7 | 19.2 |
| | 8H | 18.0 | 18.2 | 18.5 | 18.7 | 19.2 | 18.0 | 18.2 | 18.5 | 18.7 | 19.2 |
| | 12H | 18.0 | 18.2 | 18.5 | 18.7 | 19.2 | 18.0 | 18.2 | 18.5 | 18.7 | 19.2 |
| 12H | 4H | 17.8 | 18.1 | 18.2 | 18.5 | 19.0 | 18.0 | 18.3 | 18.4 | 18.7 | 19.2 |
| | 6H | 17.9 | 18.2 | 18.4 | 18.6 | 19.1 | 18.0 | 18.2 | 18.5 | 18.7 | 19.2 |
| | 8H | 18.0 | 18.2 | 18.5 | 18.7 | 19.2 | 18.0 | 18.2 | 18.5 | 18.7 | 19.2 |
| Variations with the observer position at spacing: | | | | | | | | | | | |
| S = | 1.0H | 1.5 / -1.5 | | | | | 1.5 / -1.5 | | | | |
| | 1.5H | 3.1 / -3.4 | | | | | 3.1 / -3.4 | | | | |
| | 2.0H | 4.9 / -4.6 | | | | | 4.9 / -4.6 | | | | |