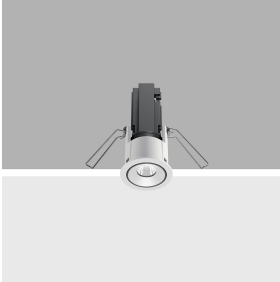


Last information update: November 2024

Product configuration: QY54

QY54: Fixed round recessed luminaire - LED - medium - Super Comfort



Product code

QY54: Fixed round recessed luminaire - LED - medium - Super Comfort

Technical description

Round recessed luminaire with contact frame. Super Comfort fixed version: the LEDs are set a long way back to minimize glare and guarantee a high level of visual comfort. The main die-cast aluminium body includes a radiant surface that guarantees optimal heat dissipation. Metallised, thermoplastic, high definition reflector - medium optic (25°). Structure featuring a die-cast aluminium external contact frame with a white finish only. The internal ring is made of thermoplastic available in a range of painted and metallised finishes. Safety glass screen included. Quick, easy, tool-free assembly. 4000K high colour rendering index LED lamp. The power supply unit is available with a separate item code.

Installation

With steel wire anti-fall springs for recessed installation in false ceilings - minimum thickness of false ceiling 1 mm - preparation hole Ø 38 mm

Colour

White (01) | Black / Black (43) | Black / White (47) | White/Gold (41)* | White / Chrome (E4)* | White / burnished chrome (E7)* | White / gold satin-finish (E9)*

Weight (Kg)

0.14

* Colours on request

Mounting

wall recessed|ceiling recessed

Wiring

Direct current ballasts available with separate item codes: ON-OFF / 1-10V dimmable / DALI dimmable / Phase Cut dimmable.

Notes

A wide range of decorative accessories and diffusers is available.

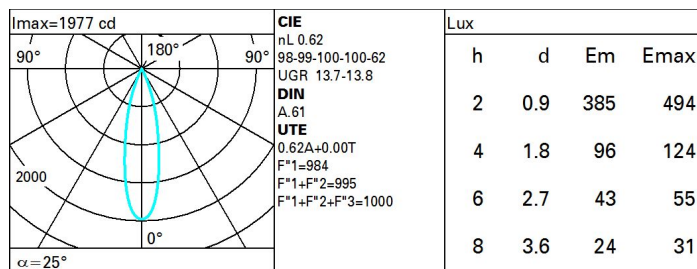
Complies with EN60598-1 and pertinent regulations



Technical data

| | | | |
|--|------|---------------------------------------|---------------------------------|
| Im system: | 453 | CRI (minimum): | 90 |
| W system: | 6.7 | Colour temperature [K]: | 4000 |
| Im source: | 730 | MacAdam Step: | 2 |
| W source: | 6.7 | Life Time LED 1: | > 50,000h - L90 - B10 (Ta 25°C) |
| Luminous efficiency (Im/W, real value): | 67.6 | Lamp code: | LED |
| Im in emergency mode: | - | Number of lamps for optical assembly: | 1 |
| Total light flux at or above an angle of 90° [Lm]: | 0 | ZVEI Code: | LED |
| Light Output Ratio (L.O.R.) [%]: | 62 | Number of optical assemblies: | 1 |
| Beam angle [°]: | 26° | LED current [mA]: | 550 |

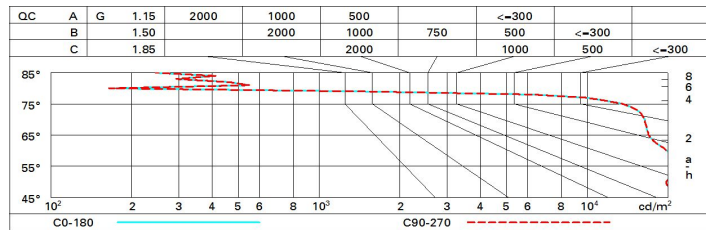
Polar



Utilisation factors

| R | 77 | 75 | 73 | 71 | 55 | 53 | 33 | 00 | DRR |
|------|----|----|----|----|----|----|----|----|-----|
| K0.8 | 56 | 53 | 51 | 49 | 52 | 50 | 50 | 48 | 77 |
| 1.0 | 58 | 55 | 53 | 52 | 55 | 53 | 53 | 51 | 82 |
| 1.5 | 61 | 59 | 57 | 56 | 58 | 57 | 56 | 54 | 88 |
| 2.0 | 63 | 62 | 60 | 59 | 61 | 60 | 59 | 57 | 92 |
| 2.5 | 64 | 63 | 62 | 61 | 62 | 61 | 61 | 59 | 95 |
| 3.0 | 65 | 64 | 64 | 63 | 63 | 63 | 62 | 60 | 97 |
| 4.0 | 66 | 65 | 65 | 64 | 64 | 64 | 63 | 61 | 99 |
| 5.0 | 66 | 66 | 65 | 65 | 65 | 64 | 63 | 62 | 100 |

Luminance curve limit



UGR diagram

| Corrected UGR values (at 730 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 | 12.0 | 14.1 | 12.4 | 14.4 | 14.8 | 12.0 | 14.1 | 12.4 | 14.4 | 14.8 |
| | 3H | 13.0 | 14.7 | 13.4 | 15.0 | 15.3 | 12.3 | 14.0 | 12.7 | 14.3 | 14.6 |
| | 4H | 13.4 | 14.7 | 13.8 | 15.1 | 15.4 | 12.4 | 13.8 | 12.8 | 14.1 | 14.5 |
| | 6H | 13.4 | 14.5 | 13.8 | 14.8 | 15.2 | 12.5 | 13.5 | 12.9 | 13.9 | 14.2 |
| | 8H | 13.4 | 14.4 | 13.8 | 14.8 | 15.1 | 12.5 | 13.5 | 12.9 | 13.9 | 14.2 |
| 12H | 13.4 | 14.4 | 13.8 | 14.7 | 15.1 | 12.4 | 13.4 | 12.8 | 13.8 | 14.2 | |
| 4H | 2H | 12.4 | 13.8 | 12.8 | 14.1 | 14.5 | 13.4 | 14.7 | 13.8 | 15.1 | 15.4 |
| | 3H | 13.7 | 14.7 | 14.1 | 15.0 | 15.4 | 13.9 | 14.9 | 14.3 | 15.3 | 15.7 |
| | 4H | 14.1 | 15.1 | 14.5 | 15.4 | 15.9 | 14.1 | 15.1 | 14.5 | 15.4 | 15.9 |
| | 6H | 13.8 | 15.5 | 14.3 | 16.0 | 16.4 | 13.9 | 15.6 | 14.4 | 16.1 | 16.5 |
| | 8H | 13.7 | 15.6 | 14.2 | 16.1 | 16.6 | 13.8 | 15.7 | 14.3 | 16.2 | 16.7 |
| 12H | 13.6 | 15.6 | 14.1 | 16.0 | 16.6 | 13.7 | 15.7 | 14.2 | 16.2 | 16.7 | |
| 8H | 4H | 13.8 | 15.7 | 14.3 | 16.2 | 16.7 | 13.7 | 15.6 | 14.2 | 16.1 | 16.6 |
| | 6H | 13.8 | 15.6 | 14.3 | 16.1 | 16.6 | 13.8 | 15.6 | 14.3 | 16.1 | 16.6 |
| | 8H | 13.8 | 15.4 | 14.3 | 15.9 | 16.4 | 13.8 | 15.4 | 14.3 | 15.9 | 16.4 |
| | 12H | 13.9 | 15.0 | 14.4 | 15.5 | 16.0 | 13.9 | 15.0 | 14.4 | 15.5 | 16.0 |
| 12H | 4H | 13.7 | 15.7 | 14.2 | 16.2 | 16.7 | 13.6 | 15.6 | 14.1 | 16.0 | 16.6 |
| | 6H | 13.8 | 15.4 | 14.3 | 15.9 | 16.4 | 13.7 | 15.4 | 14.3 | 15.9 | 16.4 |
| | 8H | 13.9 | 15.0 | 14.4 | 15.5 | 16.0 | 13.9 | 15.0 | 14.4 | 15.5 | 16.0 |
| Variations with the observer position at spacing: | | | | | | | | | | | |
| S = | 1.0H | 1.1 / -0.5 | | | | 1.1 / -0.5 | | | | | |
| | 1.5H | 2.1 / -1.1 | | | | 2.1 / -1.1 | | | | | |
| | 2.0H | 3.4 / -1.6 | | | | 3.4 / -1.6 | | | | | |