

Last information update: March 2025

Product configuration: QI51.43

QI51.43: Ø59 Deco - Phase-Cut Dim - Medium Beam - 15W 897.8lm - 3000K - CRI 90 - Black / Black

**Product code**

QI51.43: Ø59 Deco - Phase-Cut Dim - Medium Beam - 15W 897.8lm - 3000K - CRI 90 - Black / Black

Technical description

Cylindrical lighting body for ceiling or pendant-mounted applications. Fixed optic lighting system with a high definition reflector made of metallised thermoplastic. A decorative terminal element - in thick transparent PMMA - emphasises and elegantly defines light diffusion. Structural cylinder made of painted extruded aluminium with an inner ring made of black thermoplastic. Glass cover Using specific accessory kits, ceiling or pendant-mounted installations can be made with minimum intervention and simplified by a practical bayonet coupling system. Dimmable driver - phase cut - integrated in luminaire.

Installation

Ceiling or pendant-mounted - use the appropriate assembly kits available with a separate item code.

Colour

Black / Black (43)

Weight (Kg)

0.49

Mounting

ceiling surface|ceiling pendant

Wiring

The lighting body is fitted with an internal terminal board for connectinf it to the power line or pendant cable.

Complies with EN60598-1 and pertinent regulations

**Technical data**

| | | | |
|--|------|--|---|
| lm system: | 898 | Life Time LED 1: | > 50,000h - L90 - B10 (Ta 25°C) |
| W system: | 15 | Voltage [Vin]: | 230 |
| lm source: | 1340 | Lamp code: | LED |
| W source: | 13 | Number of lamps for optical assembly: | 1 |
| Luminous efficiency (lm/W, real value): | 59.9 | ZVEI Code: | LED |
| lm in emergency mode: | - | Number of optical assemblies: | 1 |
| Total light flux at or above an angle of 90° [Lm]: | 0 | Power factor: | See installation instructions |
| Light Output Ratio (L.O.R.) [%]: | 67 | Inrush current: | 1.87 A / 48 µs |
| Beam angle [°]: | 24° | Maximum number of luminaires of this type per miniature circuit breaker: | B10A: 97 luminaires B16A: 155 luminaires C10A: 161 luminaires C16A: 263 luminaires |
| CRI (minimum): | 90 | Minimum dimming %: | 5 |
| Colour temperature [K]: | 3000 | Oversvoltage protection: | 2kV Common mode & 1kV Differential mode |
| MacAdam Step: | 2 | Control: | Phase-cut |

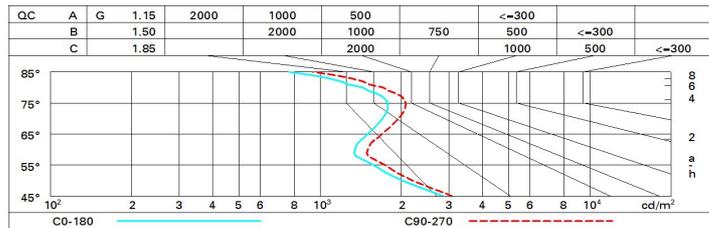
Polar

| | | | | | | |
|--|---------------------|---|------------|-----|-----|------|
| | Imax=4659 cd | CIE nL 0.67 98-99-100-100-67 UGR <10-<10 DIN A.61 UTE 0.67A+0.00T F*1=980 F*1+F*2=990 F*1+F*2+F*3=997 CIBSE LG3 L<3000 cd/m ² at 65° UGR<10 L<3000 cd/mq @65° | Lux | | | |
| | | | h | d | Em | Emax |
| | | | 2 | 0.8 | 936 | 1165 |
| | | | 4 | 1.7 | 234 | 291 |
| | | | 6 | 2.5 | 104 | 129 |
| | 8 | 3.3 | 59 | 73 | | |

Utilisation factors

| | | | | | | | | | |
|------|----|----|----|----|----|----|----|----|-----|
| R | 77 | 75 | 73 | 71 | 55 | 53 | 33 | 00 | DRR |
| K0.8 | 60 | 57 | 54 | 53 | 56 | 54 | 54 | 52 | 77 |
| 1.0 | 63 | 60 | 58 | 56 | 59 | 57 | 57 | 55 | 82 |
| 1.5 | 66 | 64 | 62 | 60 | 63 | 61 | 61 | 59 | 87 |
| 2.0 | 68 | 66 | 65 | 64 | 65 | 64 | 63 | 62 | 92 |
| 2.5 | 69 | 68 | 67 | 66 | 67 | 66 | 65 | 64 | 95 |
| 3.0 | 70 | 69 | 68 | 68 | 68 | 68 | 67 | 65 | 97 |
| 4.0 | 71 | 70 | 70 | 69 | 69 | 69 | 68 | 66 | 99 |
| 5.0 | 71 | 71 | 71 | 70 | 70 | 69 | 68 | 67 | 100 |

Luminance curve limit



UGR diagram

| Corrected UGR values (at 1340 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 | | | | | | | | | | | |
| x | y | | | | | | | | | | |
| 2H | 2H | 3.6 | 5.6 | 3.9 | 6.0 | 6.3 | 3.7 | 5.8 | 4.1 | 6.1 | 6.5 |
| | 3H | 5.0 | 6.6 | 5.4 | 6.9 | 7.2 | 3.9 | 5.5 | 4.3 | 5.8 | 6.2 |
| | 4H | 6.0 | 7.3 | 6.4 | 7.6 | 8.0 | 4.1 | 5.3 | 4.4 | 5.7 | 6.0 |
| | 6H | 6.9 | 7.8 | 7.2 | 8.1 | 8.5 | 4.2 | 5.2 | 4.6 | 5.5 | 5.8 |
| | 8H | 7.1 | 8.0 | 7.5 | 8.4 | 8.7 | 4.2 | 5.2 | 4.6 | 5.5 | 5.9 |
| 12H | 7.2 | 8.1 | 7.6 | 8.5 | 8.9 | 4.2 | 5.2 | 4.6 | 5.5 | 5.9 | |
| 4H | 2H | 3.9 | 5.2 | 4.3 | 5.5 | 5.9 | 6.3 | 7.6 | 6.7 | 7.9 | 8.2 |
| | 3H | 5.8 | 6.7 | 6.2 | 7.1 | 7.5 | 6.9 | 7.9 | 7.3 | 8.2 | 8.6 |
| | 4H | 6.9 | 7.9 | 7.3 | 8.3 | 8.7 | 7.2 | 8.2 | 7.6 | 8.5 | 8.9 |
| | 6H | 7.6 | 9.3 | 8.1 | 9.7 | 10.2 | 7.2 | 8.9 | 7.7 | 9.3 | 9.8 |
| | 8H | 7.8 | 9.7 | 8.3 | 10.1 | 10.6 | 7.2 | 9.1 | 7.7 | 9.5 | 10.0 |
| 12H | 7.9 | 9.8 | 8.4 | 10.3 | 10.8 | 7.2 | 9.1 | 7.7 | 9.6 | 10.1 | |
| 8H | 4H | 7.0 | 8.9 | 7.5 | 9.3 | 9.8 | 8.1 | 10.0 | 8.6 | 10.4 | 10.9 |
| | 6H | 8.0 | 9.8 | 8.5 | 10.3 | 10.8 | 8.5 | 10.2 | 9.0 | 10.7 | 11.3 |
| | 8H | 8.4 | 9.9 | 8.9 | 10.4 | 11.0 | 8.7 | 10.2 | 9.2 | 10.7 | 11.3 |
| | 12H | 8.8 | 9.8 | 9.3 | 10.3 | 10.9 | 9.0 | 10.0 | 9.5 | 10.5 | 11.0 |
| 12H | 4H | 7.0 | 8.9 | 7.5 | 9.4 | 9.9 | 8.2 | 10.2 | 8.7 | 10.6 | 11.2 |
| | 6H | 8.1 | 9.7 | 8.7 | 10.2 | 10.7 | 8.7 | 10.3 | 9.2 | 10.8 | 11.3 |
| | 8H | 8.7 | 9.7 | 9.2 | 10.2 | 10.8 | 9.1 | 10.1 | 9.6 | 10.6 | 11.2 |
| Variations with the observer position at spacing: | | | | | | | | | | | |
| S = | 1.0H | 0.7 / -0.3 | | | | 0.7 / -0.3 | | | | | |
| | 1.5H | 1.7 / -0.5 | | | | 1.7 / -0.5 | | | | | |
| | 2.0H | 2.7 / -0.5 | | | | 2.6 / -0.4 | | | | | |