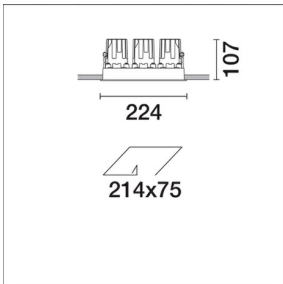
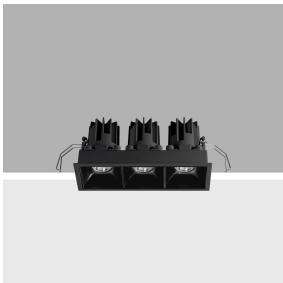


Design iGuzzini iGuzzini

Product configuration: N169.43
N169.43: Fixed, three compartment Recessed luminaire - Neutral LED - Incorporated DALI dimmable power supply - WideFlood optic Beam - Black/Black



N169.43: Fixed, three compartment Recessed luminaire - Neutral LED - Incorporated DALI dimmable power supply - WideFlood optic Beam - Black/Black

Fixed optic, three compartment recessed luminaire for high efficiency, neutral white LED lamps. Passive heat dissipation system. Lamp body with die-cast aluminium radiant surface, version with perimeter surface frame. Metallised, thermoplastic, high definition optics, integrated in a rear position in the anti-glare screens. Glass covers for LED lamps. The structure of the optical system produces light emission with controlled luminance ($UGR < 19$). Supplied with DALI dimmable power supply unit connected to the luminaire.

recessed with steel wire springs for false ceilings from 1 to 25 mm thick - preparation hole 75 x 214. Installation permitted in either a horizontal or vertical position.

| Colour | Weight (Kg) |
|--------------------|-------------|
| Black / Black (43) | 1.5 |

wall recessed|ceiling recessed

Quick-fit power supply connection to terminal block. Digital electronic cabling that allows dimming to be performed with DALI protocol or a pushbutton switch (DIM SWITCH).

The product with its white finish (01) includes optic rings for limiting luminance; a feature that renders a performance of $UGR < 19$ and determines slight variations in the opening of the optics (52°) and yield (0.74).

 IP20
  IP44
 On the visible part of the product once installed
 







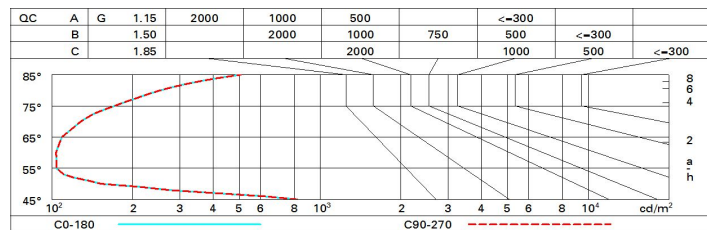
| | | | |
|--|-------|--|--|
| Im system: | 3195 | Life Time LED 1: | > 50,000h - L90 - B10 (Ta 25°C) |
| W system: | 28.4 | Voltage [Vin]: | 230 |
| Im source: | 3900 | Lamp code: | LED |
| W source: | 25 | Number of lamps for optical assembly: | 1 |
| Luminous efficiency (Im/W, real value): | 112.5 | ZVEI Code: | LED |
| Im 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.) [%]: | 82 | Inrush current: | 10 A / 200 µs |
| Beam angle [°]: | 54° | Maximum number of luminaires of this type per miniature circuit breaker: | B10A: 18 luminaires B16A: 30 luminaires C10A: 31 luminaires C16A: 51 luminaires |
| CRI (minimum): | 80 | Minimum dimming %: | 1 |
| Colour temperature [K]: | 4000 | Overvoltage protection: | 5kV Common mode & 4kV Differential mode |
| MacAdam Step: | 2 | Control: | DALI-2 |

| | | | | | | |
|--|--|---|------------|----------|-----------|------------------------|
| <p>Imax=4400 cd</p> <p>90° 180° 90°</p> <p>5000</p> <p>0°</p> <p>α=54°</p> | CIE nL 0.82 100-100-100-100-82 UGR 11.9-11.9 | | Lux | | | |
| | DIN | | h | d | Em | E_{max} |
| | A.61 | | 2 | 2 | 878 | 1100 |
| | UTE | | 4 | 4.1 | 220 | 275 |
| | 0.82A+0.00T | | 6 | 6.1 | 98 | 122 |
| F*1=997 | | | | | | |
| F*1+F*2=999 | | | | | | |
| F*1+F*2+F*3=1000 | | | | | | |
| CIBSE | | | | | | |
| LG3 L<1500 cd/m ² at 65° | | 8 | 8.2 | 55 | 69 | |
| UGR<16 L<1500 cd/mq @65° | | | | | | |

Utilisation factors

| R | 77 | 75 | 73 | 71 | 55 | 53 | 33 | 00 | DRR |
|------|----|----|----|----|----|----|----|----|-----|
| K0.8 | 74 | 70 | 68 | 65 | 69 | 67 | 67 | 64 | 78 |
| 1.0 | 77 | 74 | 71 | 69 | 73 | 71 | 70 | 68 | 83 |
| 1.5 | 81 | 78 | 76 | 75 | 77 | 76 | 75 | 73 | 89 |
| 2.0 | 83 | 82 | 80 | 79 | 81 | 79 | 78 | 76 | 93 |
| 2.5 | 85 | 84 | 83 | 82 | 82 | 81 | 81 | 78 | 96 |
| 3.0 | 86 | 85 | 84 | 84 | 84 | 83 | 82 | 80 | 98 |
| 4.0 | 87 | 86 | 86 | 85 | 85 | 85 | 83 | 81 | 99 |
| 5.0 | 88 | 87 | 87 | 86 | 86 | 85 | 84 | 82 | 100 |

Luminance curve limit



UGR diagram

| Corrected UGR values (at 3750 lm bare lamp luminous flux) | | | | | | | | | | | |
|---|----------|------------------|------|------|------|------|----------------|------|------|------|------|
| Reflect.: | | viewed crosswise | | | | | viewed endwise | | | | |
| ceiling | ceiling | 0.70 | 0.70 | 0.50 | 0.50 | 0.30 | 0.70 | 0.70 | 0.50 | 0.50 | 0.30 |
| walls | walls | 0.50 | 0.30 | 0.50 | 0.30 | 0.30 | 0.50 | 0.30 | 0.50 | 0.30 | 0.30 |
| work pl. | work pl. | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 |
| Room dim | Room dim | viewed crosswise | | | | | viewed endwise | | | | |
| x | y | | | | | | | | | | |
| 2H | 2H | 12.4 | 12.9 | 12.7 | 13.1 | 13.3 | 12.4 | 12.9 | 12.7 | 13.1 | 13.3 |
| | 3H | 12.3 | 12.7 | 12.6 | 13.0 | 13.2 | 12.3 | 12.7 | 12.6 | 13.0 | 13.2 |
| | 4H | 12.2 | 12.6 | 12.6 | 12.9 | 13.2 | 12.2 | 12.6 | 12.6 | 12.9 | 13.2 |
| | 6H | 12.2 | 12.5 | 12.5 | 12.8 | 13.1 | 12.2 | 12.5 | 12.5 | 12.8 | 13.1 |
| | 8H | 12.1 | 12.5 | 12.5 | 12.8 | 13.1 | 12.1 | 12.5 | 12.5 | 12.8 | 13.1 |
| | 12H | 12.1 | 12.4 | 12.5 | 12.8 | 13.1 | 12.1 | 12.4 | 12.5 | 12.7 | 13.1 |
| 4H | 2H | 12.2 | 12.6 | 12.6 | 12.9 | 13.2 | 12.2 | 12.6 | 12.6 | 12.9 | 13.2 |
| | 3H | 12.1 | 12.4 | 12.5 | 12.7 | 13.1 | 12.1 | 12.4 | 12.5 | 12.7 | 13.1 |
| | 4H | 12.0 | 12.3 | 12.4 | 12.7 | 13.0 | 12.0 | 12.3 | 12.4 | 12.7 | 13.0 |
| | 6H | 11.9 | 12.2 | 12.3 | 12.6 | 13.0 | 11.9 | 12.2 | 12.3 | 12.6 | 13.0 |
| | 8H | 11.9 | 12.1 | 12.3 | 12.5 | 12.9 | 11.9 | 12.1 | 12.3 | 12.5 | 12.9 |
| | 12H | 11.8 | 12.0 | 12.3 | 12.5 | 12.9 | 11.8 | 12.0 | 12.3 | 12.5 | 12.9 |
| 8H | 4H | 11.9 | 12.1 | 12.3 | 12.5 | 12.9 | 11.9 | 12.1 | 12.3 | 12.5 | 12.9 |
| | 6H | 11.8 | 12.0 | 12.2 | 12.4 | 12.9 | 11.8 | 12.0 | 12.2 | 12.4 | 12.9 |
| | 8H | 11.7 | 11.9 | 12.2 | 12.3 | 12.8 | 11.7 | 11.9 | 12.2 | 12.3 | 12.8 |
| | 12H | 11.7 | 11.8 | 12.2 | 12.3 | 12.8 | 11.7 | 11.8 | 12.2 | 12.3 | 12.8 |
| 12H | 4H | 11.8 | 12.0 | 12.3 | 12.5 | 12.9 | 11.8 | 12.0 | 12.3 | 12.5 | 12.9 |
| | 6H | 11.7 | 11.9 | 12.2 | 12.3 | 12.8 | 11.7 | 11.9 | 12.2 | 12.4 | 12.9 |
| | 8H | 11.7 | 11.8 | 12.2 | 12.3 | 12.8 | 11.7 | 11.8 | 12.2 | 12.3 | 12.8 |
| Variations with the observer position at spacing: | | | | | | | | | | | |
| S = | 1.0H | 6.5 / -17.3 | | | | | 6.5 / -17.3 | | | | |
| | 1.5H | 9.3 / -17.4 | | | | | 9.3 / -17.4 | | | | |
| | 2.0H | 11.3 / -17.6 | | | | | 11.3 / -17.6 | | | | |