Design iGuzzini

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Last information update: October 2024

Product configuration: P992

P992: Fixed circular recessed luminaire - Ø 75 mm - Netural white - flood optic - UGR<19



Product code

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Technical description

Fixed round luminaire designed to use a LED lamp with C.O.B. technology. Version with rim for surface-mounting. Reflector vacuum-metallised with aluminium vapours with an anti-scratch protective layer. Die-cast aluminium body and passive dissipation system. Product complete with LED lamp in Netural white colour tone CRI80 (4000K). General light emission, with controlled luminance UGR<19 1500 cd/m2 α >65° flood optic.

Installation

Recessed using torsion springs which allow easy installation in false ceilings with thickness ranging from 1 mm to 20 mm.

Colour

White / Aluminium (39)

Mounting

ceiling recessed

Wiring

product complete with 1-10V components









On the visible part of the product once installed







Complies with EN60598-1 and pertinent regulations

| Technical data | | | |
|------------------------------|------|-----------------------------|---------------------------------|
| Im system: | 1051 | CRI (minimum): | 80 |
| W system: | 10.7 | Colour temperature [K]: | 4000 |
| Im source: | 1350 | MacAdam Step: | 2 |
| W source: | 8.4 | Life Time LED 1: | > 50,000h - L90 - B10 (Ta 25°C) |
| Luminous efficiency (lm/W, | 98.2 | Lamp code: | LED |
| real value): | | Number of lamps for optical | 1 |
| Im in emergency mode: | - | assembly: | |
| Total light flux at or above | 0 | ZVEI Code: | LED |
| an angle of 90° [Lm]: | | Number of optical | 1 |
| Light Output Ratio (L.O.R.) | 78 | assemblies: | |
| [%]: | | Control: | 1-10V |
| Beam angle [°]: | 28° | | |

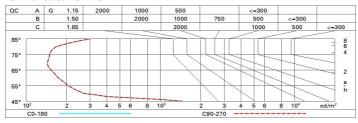
Polar

| Imax=3111 cd | | Lux | | | |
|-----------------------|--|------------------|---|-----|------|
| 90° 180° 90° | nL 0.78 100-100-100-100-78 UGR 12.1-12.1 | h | d | Em | Emax |
| | DIN A.61 | 2 | 1 | 626 | 778 |
| $K \times M \times X$ | 0.78A+0.00T F"1=996 | 4 | 2 | 157 | 194 |
| 3000 | F"1+F"2=1000 F"1+F"2+F"3=1000 CIBSE | 6 | 3 | 70 | 86 |
| 0° α=28° | LG3 L<1500 cd/m ² at 65° UGR<16 L<1500 cd/mq @ | _{65°} 8 | 4 | 39 | 49 |

Utilisation factors

| R | 77 | 75 | 73 | 71 | 55 | 53 | 33 | 00 | DRR |
|------|----|----|----|----|----|----|----|----|-----|
| K0.8 | 70 | 67 | 64 | 62 | 66 | 64 | 63 | 61 | 78 |
| 1.0 | 73 | 70 | 68 | 66 | 69 | 67 | 67 | 64 | 83 |
| 1.5 | 77 | 75 | 73 | 71 | 74 | 72 | 71 | 69 | 89 |
| 2.0 | 79 | 78 | 76 | 75 | 76 | 75 | 74 | 72 | 93 |
| 2.5 | 81 | 79 | 78 | 78 | 78 | 77 | 77 | 74 | 96 |
| 3.0 | 82 | 81 | 80 | 79 | 80 | 79 | 78 | 76 | 98 |
| 4.0 | 83 | 82 | 82 | 81 | 81 | 80 | 79 | 77 | 99 |
| 5.0 | 83 | 83 | 82 | 82 | 81 | 81 | 80 | 78 | 100 |

Luminance curve limit



| 2H 3H 4H 6H 8H 12H | 0.70 0.50 0.20 13.0 12.8 12.8 12.7 12.6 12.6 | 0.70 0.30 0.20 15.0 14.4 14.2 13.9 13.8 13.8 | 0.50 0.50 0.20 viewed crosswis 13.4 13.2 13.2 13.1 13.0 | 0.50 0.30 0.20 e 15.3 14.7 14.5 14.3 | 0.30 0.30 0.20 15.6 15.1 14.8 | 0.70 0.50 0.20 | 0.70 0.30 0.20 | 0.50 0.50 0.20 viewed endwise 13.4 13.2 | 0.50 0.30 0.20 15.3 14.7 | 0.30 0.30 0.20 |
|--|--|--|--|---|---|---|---|--|---|--|
| ol. dim y 2H 3H 4H 6H 8H 12H | 13.0 12.8 12.8 12.7 12.6 12.6 | 0.30 0.20 15.0 14.4 14.2 13.9 13.8 | 0.50 0.20 viewed crosswise 13.4 13.2 13.2 13.1 | 0.30 0.20 e 15.3 14.7 14.5 | 0.30 0.20 15.6 15.1 | 0.50 0.20 13.0 12.8 | 0.30 0.20 15.0 14.4 | 0.50 0.20 viewed endwise | 0.30 0.20 | 0.30 |
| 2H 3H 4H 6H 8H 12H | 13.0 12.8 12.8 12.7 12.6 12.6 | 15.0 14.4 14.2 13.9 13.8 | 0.20 viewed crosswise 13.4 13.2 13.2 13.1 | 0.20 e 15.3 14.7 14.5 | 0.20 15.6 15.1 | 13.0 12.8 | 0.20 15.0 14.4 | 0.20 viewed endwise | 0.20 | 15.0 |
| 2H 3H 4H 6H 8H 12H | 13.0 12.8 12.8 12.7 12.6 12.6 | 15.0 14.4 14.2 13.9 13.8 | 13.4 13.2 13.2 13.1 | 15.3 14.7 14.5 | 15.6 15.1 | 13.0 12.8 | 15.0 14.4 | viewed endwise | 15.3 | 15. |
| y 2H 3H 4H 6H 8H 12H | 12.8 12.8 12.7 12.6 12.6 | 15.0 14.4 14.2 13.9 13.8 | 13.4 13.2 13.2 13.1 | 15.3 14.7 14.5 | 15.1 | 12.8 | 14.4 | endwise | 15.3 | |
| 2H 3H 4H 6H 8H 12H | 12.8 12.8 12.7 12.6 12.6 | 15.0 14.4 14.2 13.9 13.8 | 13.4 13.2 13.2 13.1 | 15.3 14.7 14.5 | 15.1 | 12.8 | 14.4 | 13.4 | 15.3 | |
| 3H 4H 6H 8H 12H | 12.8 12.8 12.7 12.6 12.6 | 14.4 14.2 13.9 13.8 | 13.2 13.2 13.1 | 14.7 14.5 | 15.1 | 12.8 | 14.4 | | | |
| 4H 6H 8H 12H | 12.8 12.7 12.6 12.6 | 14.2 13.9 13.8 | 13.2 13.1 | 14.5 | | | | 13.2 | 14.7 | 15. |
| 6H 8H 12H | 12.7 12.6 12.6 | 13.9 13.8 | 13.1 | | 14.8 | 40.0 | | | | |
| 8H 12H | 12.6 12.6 | 13.8 | | 14.3 | | 12.8 | 14.2 | 13.1 | 14.5 | 14. |
| 12H | 12.6 | | 13.0 | | 14.6 | 12.7 | 13.9 | 13.1 | 14.3 | 14. |
| A 1000000 | Costa | 13.8 | | 14.2 | 14.6 | 12.6 | 13.8 | 13.0 | 14.2 | 14. |
| 2H | 12.8 | | 13.0 | 14.1 | 14.5 | 12.6 | 13.8 | 13.0 | 14.1 | 14. |
| | 12.0 | 14.2 | 13.1 | 14.5 | 14.8 | 12.8 | 14.2 | 13.2 | 14.5 | 14. |
| 3H | 12.6 | 13.8 | 13.0 | 14.1 | 14.5 | 12.6 | 13.8 | 13.0 | 14.1 | 14. |
| 4H | 12.5 | 13.6 | 12.9 | 14.0 | 14.4 | 12.5 | 13.6 | 12.9 | 14.0 | 14. |
| 6H | 12.2 | 13.7 | 12.7 | 14.2 | 14.6 | 12.2 | 13.7 | 12.7 | 14.2 | 14. |
| HS | 12.1 | 13.8 | 12.6 | 14.3 | 14.7 | 12.1 | 13.8 | 12.6 | 14.3 | 14. |
| 12H | 12.0 | 13.8 | 12.5 | 14.3 | 14.8 | 12.0 | 13.8 | 12.5 | 14.3 | 14. |
| 4H | 12.1 | 13.8 | 12.6 | 14.3 | 14.7 | 12.1 | 13.8 | 12.6 | 14.3 | 14. |
| 6H | 11.9 | 13.6 | 12.4 | 14.1 | 14.7 | 11.9 | 13.6 | 12.4 | 14.1 | 14. |
| HS | 11.9 | 13.5 | 12.4 | 13.9 | 14.5 | 11.9 | 13.5 | 12.4 | 13.9 | 14. |
| 12H | 12.1 | 13.0 | 12.6 | 13.5 | 14.1 | 12.1 | 13.0 | 12.6 | 13.5 | 14. |
| 4H | 12.0 | 13.8 | 12.5 | 14.3 | 14.8 | 12.0 | 13.8 | 12.5 | 14.3 | 14. |
| бН | 11.9 | 13.5 | 12.4 | 13.9 | 14.5 | 11.9 | 13.5 | 12.4 | 13.9 | 14. |
| 8H | 12.1 | 13.0 | 12.6 | 13.5 | 14.1 | 12.1 | 13.0 | 12.6 | 13.5 | 14. |
| ons wi | th the ob | server p | osition | at spacin | g: | 1000 | | | | |
| 1.0H | | 6. | 3 / -21 | 8. | | | 6 | .3 / -21. | 8. | |
| 1.5H | | 9. | 1 / -22 | .1 | | | 9 | .1 / -22 | .1 | |
| or 1. | BH BH IS WI | 3H 11.9 3H 12.1 as with the ob 0H 5H | 3H 11.9 13.5 3H 12.1 13.0 as with the observer p 0H 6.5 5H 9. | 3H 11.9 13.5 12.4 3H 12.1 13.0 12.6 19 with the observer position at 12.6 0H 6.3 / -21 5H 9.1 / -22 | 3H 11.9 13.5 12.4 13.9 3H 12.1 13.0 12.6 13.5 19 with the observer position at spacin 0H 6.3 / -21.8 5H 9.1 / -22.1 | 3H 11.9 13.5 12.4 13.9 14.5 3H 12.1 13.0 12.6 13.5 14.1 19 with the observer position at spacing: 0H 6.3 / -21.8 5H 9.1 / -22.1 | 9H 11.9 13.5 12.4 13.9 14.5 11.9 9H 12.1 13.0 12.6 13.5 14.1 12.1 19 with the observer position at spacing: 10H 6.3 / -21.8 15H 9.1 / -22.1 | 3H 11.9 13.5 12.4 13.9 14.5 11.9 13.5 3H 12.1 13.0 12.6 13.5 14.1 12.1 13.0 12.6 13.5 14.1 12.1 13.0 13.5 14.1 12.1 13.0 13.0 12.1 13.0 12.1 13.0 13.0 13.0 13.5 14.1 13.0 13.5 14.1 13.0 13.0 13.0 13.0 13.5 14.1 13.0 13.0 13.0 13.0 13.0 13.0 13.0 13 | 0H 11.9 13.5 12.4 13.9 14.5 11.9 13.5 12.4 12.1 13.0 12.6 13.5 14.1 12.1 13.0 12.6 13.5 14.1 12.1 13.0 12.6 14.1 12.1 13.0 12.6 15H 0.3 / -21.8 0.3 / -21.8 0.3 / -21.8 15H 0.1 / -22.1 0.1 9.1 / -22.1 | 3H 11.9 13.5 12.4 13.9 14.5 11.9 13.5 12.4 13.9 14.5 12.1 13.0 12.6 13.5 14.1 12.1 13.0 12.6 13.5 14.1 12.1 13.0 12.6 13.5 14.1 15.1 13.0 12.6 13.5 15.1 15.1 15.1 15.1 15.1 15.1 15.1 |