Design iGuzzini

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ø 136

1. ø 125

extractable, adjustable, recessed LED luminaire - electronic control gear included

Product code MU41

Technical description

Extractable, adjustable, recessed luminaire for warm white LED lamp. Passive heat dispersion system. Die-cast aluminium main body and frame; stainless steel rotation hinge. Rotation ring with safety cover in a high resistance thermoplastic material. Body adjusted with a manual manoeuvre device: internal 40° - external 65° - rotation on 355° axis. Reflector with high efficiency superpure aluminium optic - wideflood beam angle. Die-cast aluminium lamp body closure ring. Tempered transparent glass screen. Electronic control gear supplied and connected to the luminaire.

Installation

86

recessed using steel springs in false ceilings with thicknesses starting at 1 mm; preparation hole Ø 125 mm

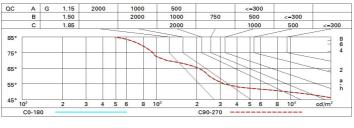
| Dimension (mm) Ø136x98 | |
|---|---|
| Colour White (01) | |
| Weight (Kg) 0.85 | |
| Mounting ceiling recessed | |
| Wiring on control gear box with quick-coupling connections | |
| IP20 IP23 On the visible part of the product once installed | Complies with EN60598-1 and pertinent regulation |
| Product configuration: MU41 | |
| Product characteristics Total lighting output [Lm]: 1559 Total power [W]: 15.8 Luminous efficacy [Lm/W]: 98.6 Life Time: 50,000h - L80 - B10 (Ta 25°C) | Total luminous flux at or above an angle of 90° [Lm]: 0 Emergency luminous flux [Lm]: / Voltage [V]: - Number of optical assemblies: 1 |
| Optical assembly Characteristics Type 1 Light Output Ratio (L.O.R.) [%]: 78 Lamp code: LED ZVEI Code: LED Nominal power [W]: 13 Nominal luminous [Lm]: 2000 Lamp maximum intensity [cd]: / Beam angle [°]: 54° | Number of lamps for optical assembly: 1 Socket: / Ballast losses [W]: 2.8 Colour temperature [K]: 3000 CRI: 80 Wavelength [Nm]: / MacAdam Step: 2 |

| Polar | | | | | | | |
|--------------|--|------------------|-----|-----|------|--|--|
| Imax=2071 cd | CIE | Lux | | | | | |
| | nL 0.78 97-100-100-100-78 | h | d | Em | Emax | | |
| | UGR 18.5-18.5 DIN A.61 | 2 | 2 | 400 | 516 | | |
| | UTE 0.78A+0.00T F"1=965 | 4 | 4.1 | 100 | 129 | | |
| 2000 | F"1+F"2=997 F"1+F"2+F"3=1000 CIBSE | 6 | 6.1 | 44 | 57 | | |
| α=54° | LG3 L<3000 cd/m² at 65° UGR<19 L<3000 cd/mq @ | _{65°} 8 | 8.2 | 25 | 32 | | |

Utilisation factors

| R | 77 | 75 | 73 | 71 | 55 | 53 | 33 | 00 | DRR |
|------|----|----|----|----|----|----|----|----|-----|
| K0.8 | 69 | 65 | 63 | 60 | 65 | 62 | 62 | 59 | 76 |
| 1.0 | 72 | 69 | 66 | 65 | 68 | 66 | 66 | 63 | 81 |
| 1.5 | 76 | 74 | 72 | 70 | 73 | 71 | 70 | 68 | 87 |
| 2.0 | 79 | 77 | 75 | 74 | 76 | 75 | 74 | 71 | 92 |
| 2.5 | 80 | 79 | 78 | 77 | 78 | 77 | 76 | 74 | 95 |
| 3.0 | 81 | 80 | 80 | 79 | 79 | 78 | 77 | 75 | 97 |
| 4.0 | 83 | 82 | 81 | 81 | 80 | 80 | 79 | 77 | 98 |
| 5.0 | 83 | 82 | 82 | 82 | 81 | 81 | 79 | 78 | 99 |

Luminance curve limit



UGR diagram

| Rifle | ot : | | | | | | | | | | | |
|-------------------------------|----------|-------------|----------|---------|-----------|------|-------------|---------|--------|------|------|--|
| | | 0.70 | 0.70 | 0.50 | 0.50 | 0.30 | 0.70 | 0.70 | 0.50 | 0.50 | 0.30 | |
| ceil/cav walls work pl. | | 0.50 | 0.30 | 0.50 | 0.30 | 0.30 | 0.50 | 0.30 | 0.50 | 0.30 | 0.30 | |
| | | 0.20 | | | | | | 0.20 | 0.20 | 0.20 | 0.20 | |
| Room dim | | 0.20 | 0.20 | viewed | 0.10 | 0.20 | 010 | 0.20 | viewed | 0.20 | 0.20 | |
| x | У | | | | | | | endwise | | | | |
| 2H | 2H | 19.1 | 19.7 | 19.3 | 19.9 | 20.2 | 19.1 | 19.7 | 19.3 | 19.9 | 20.2 | |
| | ЗН | 18.9 | 19.5 | 19.3 | 19.8 | 20.0 | 18.9 | 19.5 | 19.2 | 19.8 | 20.0 | |
| | 4H | 18.9 | 19.4 | 19.2 | 19.7 | 20.0 | 18.9 | 19.4 | 19.2 | 19.7 | 20.0 | |
| | 6H | 18.8 | 19.3 | 19.1 | 19.6 | 19.9 | 18.8 | 19.3 | 19.1 | 19.6 | 19.9 | |
| | BH | 18.8 | 19.2 | 19.1 | 19.5 | 19.9 | 18.7 | 19.2 | 19.1 | 19.5 | 19.9 | |
| | 12H | 18.7 | 19.2 | 19.1 | 19.5 | 19.8 | 18.7 | 19.2 | 19.1 | 19.5 | 19.8 | |
| 4H | 2H | 18.9 | 19.4 | 19.2 | 19.7 | 20.0 | 18.9 | 19.4 | 19.2 | 19.7 | 20.0 | |
| | ЗH | 18.7 | 19.2 | 19.1 | 19.5 | 19.9 | 18.7 | 19.2 | 19.1 | 19.5 | 19.9 | |
| | 4H | 18.6 | 19.0 | 19.0 | 19.4 | 19.8 | 18.6 | 19.0 | 19.0 | 19.4 | 19.8 | |
| | 6H | 18.6 | 18.9 | 19.0 | 19.3 | 19.7 | 18.5 | 18.9 | 19.0 | 19.3 | 19.7 | |
| | BH | 18.5 | 18.8 | 18.9 | 19.2 | 19.7 | 18.5 | 18.8 | 18.9 | 19.2 | 19.7 | |
| | 12H | 18.5 | 18.7 | 18.9 | 19.2 | 19.6 | 18.5 | 18.7 | 18.9 | 19.2 | 19.0 | |
| вн | 4H | 18.5 | 18.8 | 18.9 | 19.2 | 19.7 | 18.5 | 18.8 | 18.9 | 19.2 | 19.7 | |
| | 6H | 18.4 | 18.7 | 18.9 | 19.1 | 19.6 | 18.4 | 18.7 | 18.9 | 19.1 | 19.6 | |
| | HS | 18.4 | 18.6 | 18.8 | 19.0 | 19.5 | 18.4 | 18.6 | 18.8 | 19.0 | 19.5 | |
| | 12H | 18.3 | 18.5 | 18.8 | 19.0 | 19.5 | 18.3 | 18.5 | 18.8 | 19.0 | 19.5 | |
| 12H | 4H | 18.5 | 18.7 | 18.9 | 19.2 | 19.6 | 18.5 | 18.7 | 18.9 | 19.2 | 19.6 | |
| | 6H | 18.4 | 18.6 | 18.8 | 19.0 | 19.5 | 18.4 | 18.6 | 18.8 | 19.0 | 19.5 | |
| | 8H | 18.3 | 18.5 | 18.8 | 19.0 | 19.5 | 18.3 | 18.5 | 18.8 | 19.0 | 19.5 | |
| Varia | tions wi | th the ob | oserverp | osition | at spacin | ig: | 690 - | | | | | |
| S = | 1.0H | 5.1 / -13.5 | | | | | 5.1 / -13.5 | | | | | |
| | 1.5H | 7.9 / -14.7 | | | | | 7.9 / -14.7 | | | | | |