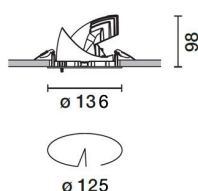


Last information update: April 2024

Product configuration: N380

N380: extractable, adjustable, recessed LED luminaire - DALI control gear included

**Product code**

N380: extractable, adjustable, recessed LED luminaire - DALI control gear included

Technical description

Extractable, adjustable, recessed luminaire for neutral 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 super-pure aluminium optic - wideflood beam angle. Die-cast aluminium lamp body closure ring. Tempered transparent glass screen. Dimmable DALI control gear supplied and connected to the luminaire.

Installation

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

Colour

White (01)

Weight (Kg)

0.85

Mounting

ceiling recessed

Wiring

on control gear box with quick-coupling connections

Complies with EN60598-1 and pertinent regulations

**Technical data**

| | | | |
|--|-------|--|--|
| lm system: | 1637 | Life Time LED 1: | > 50,000h - L90 - B10 (Ta 25°C) |
| W system: | 14.6 | Lamp code: | LED |
| lm source: | 2100 | Number of lamps for optical assembly: | 1 |
| W source: | 12 | ZVEI Code: | LED |
| Luminous efficiency (lm/W, real value): | 112.1 | Number of optical assemblies: | 1 |
| lm in emergency mode: | - | Power factor: | See installation instructions |
| Total light flux at or above an angle of 90° [Lm]: | 0 | Inrush current: | 18 A / 250 µs |
| Light Output Ratio (L.O.R.) [%]: | 78 | Maximum number of luminaires of this type per miniature circuit breaker: | B10A: 21 luminaires B16A: 34 luminaires C10A: 35 luminaires C16A: 57 luminaires |
| Beam angle [°]: | 54° | Minimum dimming %: | 1 |
| CRI (minimum): | 80 | Overvoltage protection: | 2kV Common mode & 1kV Differential mode |
| Colour temperature [K]: | 4000 | Control: | DALI-2 |
| MacAdam Step: | 2 | | |

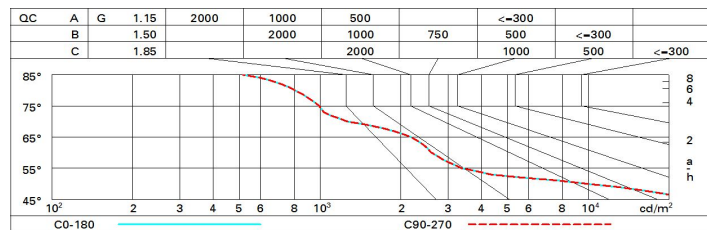
Polar

| Imax=2175 cd | | CIE | | Lux | | | |
|--------------|------|-------------------------------|-----------------------------|-----|-----|-----|------|
| 90° | 180° | nL 0.78 | 97-100-100-100-78 | h | d | Em | Emax |
| | | UGR 18.7-18.7 | DIN A.61 | 2 | 2 | 420 | 541 |
| | | UTE 0.78A+0.00T | F*1=965 | 4 | 4.1 | 105 | 135 |
| | | F*1+F*2=997 | F*1+F*2+F*3=1000 | 6 | 6.1 | 47 | 60 |
| | | CIBSE LG3 L<3000 cd/m² at 65° | UGR<19 L<3000 cd/mq @ 65° | 8 | 8.2 | 26 | 34 |
| α=54° | | | | | | | |

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

| Corrected UGR values (at 2100 lm bare lamp luminous flux) | | | | | | | | | | | |
|--|------|---------------------|------|------|------|------|-------------------|------|------|------|------|
| Reflect.: ceiling walls work pl. Room dim x y | | viewed crosswise | | | | | viewed endwise | | | | |
| | | 0.70 | 0.70 | 0.50 | 0.50 | 0.30 | 0.70 | 0.70 | 0.50 | 0.50 | 0.30 |
| | | 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 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 |
| | | | | | | | | | | | |
| 2H | 2H | 19.2 | 19.9 | 19.5 | 20.1 | 20.3 | 19.2 | 19.9 | 19.5 | 20.1 | 20.3 |
| | 3H | 19.1 | 19.7 | 19.4 | 19.9 | 20.2 | 19.1 | 19.7 | 19.4 | 19.9 | 20.2 |
| | 4H | 19.0 | 19.6 | 19.4 | 19.8 | 20.1 | 19.0 | 19.6 | 19.4 | 19.8 | 20.1 |
| | 6H | 19.0 | 19.4 | 19.3 | 19.8 | 20.1 | 19.0 | 19.4 | 19.3 | 19.7 | 20.1 |
| | 8H | 18.9 | 19.4 | 19.3 | 19.7 | 20.0 | 18.9 | 19.4 | 19.3 | 19.7 | 20.0 |
| | 12H | 18.9 | 19.3 | 19.3 | 19.7 | 20.0 | 18.9 | 19.3 | 19.3 | 19.7 | 20.0 |
| | | | | | | | | | | | |
| 4H | 2H | 19.0 | 19.6 | 19.4 | 19.8 | 20.1 | 19.0 | 19.6 | 19.4 | 19.8 | 20.1 |
| | 3H | 18.9 | 19.3 | 19.3 | 19.7 | 20.0 | 18.9 | 19.3 | 19.3 | 19.7 | 20.0 |
| | 4H | 18.8 | 19.2 | 19.2 | 19.6 | 19.9 | 18.8 | 19.2 | 19.2 | 19.6 | 19.9 |
| | 6H | 18.7 | 19.1 | 19.1 | 19.5 | 19.9 | 18.7 | 19.1 | 19.1 | 19.5 | 19.9 |
| | 8H | 18.7 | 19.0 | 19.1 | 19.4 | 19.8 | 18.7 | 19.0 | 19.1 | 19.4 | 19.8 |
| | 12H | 18.6 | 18.9 | 19.1 | 19.3 | 19.8 | 18.6 | 18.9 | 19.1 | 19.3 | 19.8 |
| | | | | | | | | | | | |
| 8H | 4H | 18.7 | 19.0 | 19.1 | 19.4 | 19.8 | 18.7 | 19.0 | 19.1 | 19.4 | 19.8 |
| | 6H | 18.6 | 18.8 | 19.1 | 19.3 | 19.8 | 18.6 | 18.8 | 19.1 | 19.3 | 19.8 |
| | 8H | 18.5 | 18.8 | 19.0 | 19.2 | 19.7 | 18.5 | 18.8 | 19.0 | 19.2 | 19.7 |
| | 12H | 18.5 | 18.7 | 19.0 | 19.2 | 19.7 | 18.5 | 18.7 | 19.0 | 19.2 | 19.7 |
| | | | | | | | | | | | |
| 12H | 4H | 18.6 | 18.9 | 19.1 | 19.3 | 19.8 | 18.6 | 18.9 | 19.1 | 19.3 | 19.8 |
| | 6H | 18.5 | 18.7 | 19.0 | 19.2 | 19.7 | 18.5 | 18.7 | 19.0 | 19.2 | 19.7 |
| | 8H | 18.5 | 18.7 | 19.0 | 19.2 | 19.7 | 18.5 | 18.7 | 19.0 | 19.2 | 19.7 |
| | | | | | | | | | | | |
| Variations with the observer position at spacing: | | | | | | | | | | | |
| S = | 1.0H | 5.1 / -13.5 | | | | | 5.1 / -13.5 | | | | |
| | 1.5H | 7.9 / -14.7 | | | | | 7.9 / -14.7 | | | | |
| | 2.0H | 9.9 / -15.9 | | | | | 9.9 / -15.9 | | | | |