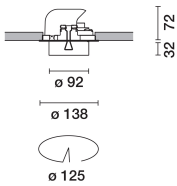


Last information update: January 2025

Product configuration: RN04.01

RN04.01: Adjustable recessed spotlight - body Ø92 - High Output - Flood optic - 27.6W 2925lm - 4000K - CRI 90 - White



Product code

RN04.01: Adjustable recessed spotlight - body Ø92 - High Output - Flood optic - 27.6W 2925lm - 4000K - CRI 90 - White

Technical description

Adjustable spotlight for recessed installation. Load-bearing structure with contact frame and die-cast aluminium, adjustable lighting body. Steel wire fixing springs. Coupling and rotation element in high resistance plastic, designed as a stylish internal cover and a practical recessed mounting. Available rotation: 359° - Adjustability: +60° (external) -20° (internal). Optical assembly featuring an LED lamp with high color rendering index and optimum flux yield performance. The anti-scratch reflector made of P.V.D (Physical Vapour Deposition) aluminium provides optimum performance levels in terms of yield. Supplied with a dimmable DALI power supply unit connected to the luminaire. Possibility of installing a flat frontal accessory - glass cover or an elliptical distribution refractor. Interchangeable spotlights in all openings available as accessories.

Installation

Recessed in false ceiling - fixed via steel wire springs for thicknesses from 1 to 25 mm.

Colour

White (01)

Weight (Kg)

0.69

Mounting

ceiling recessed

Wiring

Direct power line connection via the terminals on the power supply unit included.

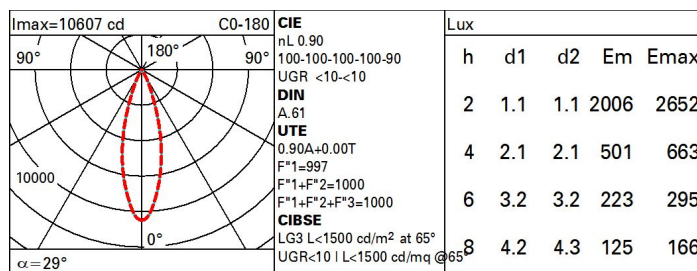
Complies with EN60598-1 and pertinent regulations



Technical data

| | | | |
|--|------|---------------------------------------|---------------------------------|
| Im system: | 2925 | CRI (minimum): | 90 |
| W system: | 27.6 | Colour temperature [K]: | 4000 |
| Im source: | 3250 | MacAdam Step: | 2 |
| W source: | 24 | Life Time LED 1: | > 50,000h - L90 - B10 (Ta 25°C) |
| Luminous efficiency (lm/W, real value): | 106 | Lamp code: | LED |
| Im in emergency mode: | - | Number of lamps for optical assembly: | 1 |
| Total light flux at or above an angle of 90° [Lm]: | 0 | ZVEI Code: | LED |
| Light Output Ratio (L.O.R.) [%]: | 90 | Number of optical assemblies: | 1 |
| Beam angle [°]: | 29° | Control: | DALI-2 |

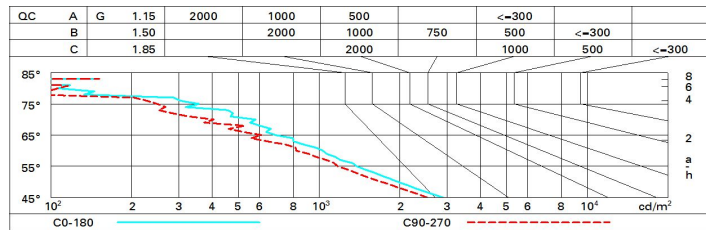
Polar



Utilisation factors

| | | | | | | | | | |
|------|----|----|----|----|----|----|----|----|-----|
| R | 77 | 75 | 73 | 71 | 55 | 53 | 33 | 00 | DRR |
| K0.8 | 81 | 77 | 74 | 72 | 76 | 74 | 73 | 70 | 78 |
| 1.0 | 85 | 81 | 78 | 76 | 80 | 78 | 77 | 75 | 83 |
| 1.5 | 89 | 86 | 84 | 82 | 85 | 83 | 82 | 80 | 89 |
| 2.0 | 92 | 90 | 88 | 87 | 88 | 87 | 86 | 84 | 93 |
| 2.5 | 93 | 92 | 91 | 90 | 91 | 89 | 89 | 86 | 96 |
| 3.0 | 95 | 94 | 93 | 92 | 92 | 91 | 90 | 88 | 98 |
| 4.0 | 96 | 95 | 94 | 94 | 93 | 93 | 92 | 89 | 99 |
| 5.0 | 96 | 96 | 95 | 95 | 94 | 94 | 92 | 90 | 100 |

Luminance curve limit



UGR diagram

| Corrected UGR values (at 3250 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 | 6.6 | 7.2 | 6.9 | 7.4 | 7.6 | 6.2 | 6.7 | 6.4 | 6.9 | 7.2 |
| | 3H | 6.5 | 7.0 | 6.8 | 7.3 | 7.5 | 6.1 | 6.5 | 6.4 | 6.8 | 7.1 |
| | 4H | 6.5 | 6.9 | 6.8 | 7.2 | 7.5 | 6.0 | 6.4 | 6.3 | 6.7 | 7.0 |
| | 6H | 6.4 | 6.8 | 6.7 | 7.1 | 7.4 | 5.9 | 6.3 | 6.3 | 6.6 | 6.9 |
| | 8H | 6.4 | 6.7 | 6.7 | 7.1 | 7.4 | 5.9 | 6.3 | 6.2 | 6.6 | 6.9 |
| | 12H | 6.3 | 6.7 | 6.7 | 7.0 | 7.4 | 5.8 | 6.2 | 6.2 | 6.5 | 6.9 |
| 4H | 2H | 6.5 | 6.9 | 6.8 | 7.2 | 7.5 | 6.0 | 6.4 | 6.3 | 6.7 | 7.0 |
| | 3H | 6.3 | 6.7 | 6.7 | 7.0 | 7.4 | 5.9 | 6.2 | 6.2 | 6.6 | 6.9 |
| | 4H | 6.2 | 6.6 | 6.6 | 6.9 | 7.3 | 5.8 | 6.1 | 6.2 | 6.5 | 6.8 |
| | 6H | 6.2 | 6.4 | 6.6 | 6.8 | 7.3 | 5.7 | 6.0 | 6.1 | 6.4 | 6.8 |
| | 8H | 6.1 | 6.4 | 6.5 | 6.8 | 7.2 | 5.6 | 5.9 | 6.1 | 6.3 | 6.7 |
| | 12H | 6.1 | 6.3 | 6.5 | 6.7 | 7.2 | 5.6 | 5.8 | 6.0 | 6.3 | 6.7 |
| 8H | 4H | 6.1 | 6.4 | 6.5 | 6.8 | 7.2 | 5.6 | 5.9 | 6.1 | 6.3 | 6.7 |
| | 6H | 6.0 | 6.2 | 6.5 | 6.7 | 7.2 | 5.5 | 5.8 | 6.0 | 6.2 | 6.7 |
| | 8H | 6.0 | 6.1 | 6.4 | 6.6 | 7.1 | 5.5 | 5.7 | 6.0 | 6.1 | 6.6 |
| | 12H | 5.9 | 6.1 | 6.4 | 6.6 | 7.1 | 5.4 | 5.6 | 5.9 | 6.1 | 6.6 |
| 12H | 4H | 6.1 | 6.3 | 6.5 | 6.7 | 7.2 | 5.6 | 5.8 | 6.0 | 6.3 | 6.7 |
| | 6H | 6.0 | 6.1 | 6.4 | 6.6 | 7.1 | 5.5 | 5.7 | 6.0 | 6.1 | 6.6 |
| | 8H | 5.9 | 6.1 | 6.4 | 6.6 | 7.1 | 5.4 | 5.6 | 5.9 | 6.1 | 6.6 |
| Variations with the observer position at spacing: | | | | | | | | | | | |
| S = | 1.0H | 6.9 / -11.0 | | | | | 6.9 / -11.3 | | | | |
| | 1.5H | 9.7 / -12.9 | | | | | 9.7 / -13.2 | | | | |
| | 2.0H | 11.7 / -14.7 | | | | | 11.7 / -15.2 | | | | |