

Last information update: March 2025

Product configuration: RZ72.M6

RZ72.M6: Module for Superrail 48V track - DALI - Warm White - UGR<19 - L=916 - - 7.5W 952lm - 3000K - CRI 90 - White/Black Transparent

**Product code**

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Technical description

Linear lighting product with Warm White CRI90 monochrome LED complete with adapter for installation on a Superrail 48V track. UGR<19 luminaire with controlled luminance ($L \leq 3000 \text{ cd/m}^2$) ideal for environments with video screen use. Opti-Diamond Space optic available in a White Cover (Transparent white) or Black Cover (Transparent black) version. The adapter made of a thermoplastic material includes the DC/DC driver circuit with a DALI dimmable function. Integrated «power line» technology allows each light module on the track to be adjusted separately. Frameless version main body made of extruded aluminium. A rapid tool-free system for connecting the adapter electrically and mechanically to the track.

Installation

Mechanical fastening with adapter on a Superrail 48V track

Colour

White/Black Transparent (M6)

Weight (Kg)

0.52

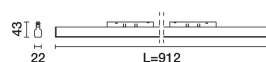
Mounting

Low voltage track

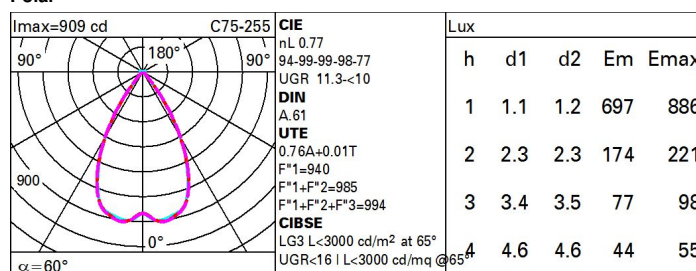
Wiring

Integrated DC/DC LED driver in adapter - direct connection on 48V track. Track power supply unit to be ordered separately.

Complies with EN60598-1 and pertinent regulations

**Technical data**

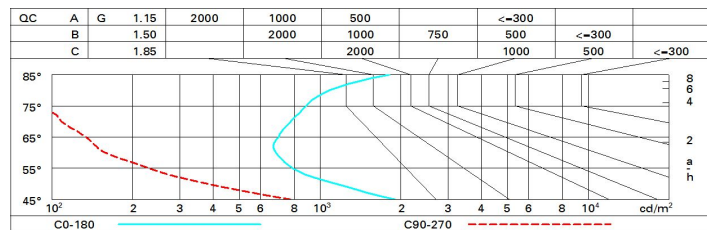
| | | | |
|--|-------|---------------------------------------|---|
| Im system: | 862 | MacAdam Step: | 3 |
| W system: | 6.3 | Lamp code: | LED |
| Im source: | 1120 | Number of lamps for optical assembly: | 1 |
| W source: | 6.3 | ZVEI Code: | LED |
| Luminous efficiency (Im/W, real value): | 136.9 | Number of optical assemblies: | 1 |
| Im in emergency mode: | - | LED current [mA]: | 39 |
| Total light flux at or above an angle of 90° [Lm]: | 16 | Power factor: | See installation instructions |
| Light Output Ratio (L.O.R.) [%]: | 77 | Minimum dimming %: | 5 |
| CRI (minimum): | 90 | Overvoltage protection: | 2kV Common mode & 1kV Differential mode |
| Colour temperature [K]: | 3000 | Control: | DALI |

Polar

Utilisation factors

| R | 77 | 75 | 73 | 71 | 55 | 53 | 33 | 00 | DRR |
|------|----|----|----|----|----|----|----|----|-----|
| K0.8 | 67 | 63 | 60 | 58 | 62 | 59 | 59 | 56 | 74 |
| 1.0 | 70 | 66 | 64 | 62 | 65 | 63 | 63 | 60 | 79 |
| 1.5 | 74 | 71 | 69 | 67 | 70 | 68 | 67 | 65 | 86 |
| 2.0 | 77 | 75 | 73 | 72 | 73 | 72 | 71 | 68 | 90 |
| 2.5 | 78 | 77 | 75 | 74 | 75 | 74 | 73 | 71 | 93 |
| 3.0 | 80 | 78 | 77 | 76 | 77 | 76 | 75 | 72 | 96 |
| 4.0 | 81 | 80 | 79 | 78 | 78 | 77 | 76 | 74 | 97 |
| 5.0 | 81 | 80 | 80 | 79 | 79 | 78 | 77 | 74 | 99 |

Luminance curve limit



UGR diagram

| Corrected UGR values (at 1120 lm bare lamp luminous flux) | | | | | | | | | | | |
|--|------|---------------------|------|------|------|------|-------------------|------|------|------|------|
| Reflect.: ceiling/cav walls work pl. Room dim x y | | 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 |
| | | viewed crosswise | | | | | viewed endwise | | | | |
| 2H | 2H | 11.4 | 12.1 | 11.7 | 12.4 | 12.7 | 9.8 | 10.5 | 10.1 | 10.7 | 11.0 |
| | 3H | 11.4 | 12.0 | 11.7 | 12.3 | 12.6 | 9.6 | 10.3 | 10.0 | 10.6 | 10.9 |
| | 4H | 11.4 | 11.9 | 11.7 | 12.3 | 12.6 | 9.6 | 10.1 | 9.9 | 10.5 | 10.8 |
| | 6H | 11.4 | 11.9 | 11.8 | 12.3 | 12.6 | 9.5 | 10.0 | 9.9 | 10.4 | 10.7 |
| | 8H | 11.4 | 12.0 | 11.8 | 12.3 | 12.7 | 9.5 | 10.0 | 9.9 | 10.3 | 10.7 |
| | 12H | 11.6 | 12.0 | 12.0 | 12.4 | 12.8 | 9.4 | 9.9 | 9.8 | 10.3 | 10.7 |
| 4H | 2H | 11.2 | 11.8 | 11.6 | 12.1 | 12.5 | 9.6 | 10.2 | 10.0 | 10.5 | 10.8 |
| | 3H | 11.2 | 11.6 | 11.6 | 12.0 | 12.4 | 9.5 | 10.0 | 9.9 | 10.3 | 10.7 |
| | 4H | 11.2 | 11.6 | 11.6 | 12.0 | 12.4 | 9.4 | 9.8 | 9.8 | 10.2 | 10.6 |
| | 6H | 11.2 | 11.6 | 11.7 | 12.0 | 12.5 | 9.3 | 9.7 | 9.8 | 10.1 | 10.6 |
| | 8H | 11.3 | 11.6 | 11.8 | 12.1 | 12.6 | 9.3 | 9.6 | 9.8 | 10.1 | 10.5 |
| | 12H | 11.5 | 11.8 | 11.9 | 12.2 | 12.7 | 9.2 | 9.5 | 9.7 | 10.0 | 10.5 |
| 8H | 4H | 11.0 | 11.4 | 11.5 | 11.8 | 12.3 | 9.3 | 9.6 | 9.8 | 10.1 | 10.6 |
| | 6H | 11.1 | 11.4 | 11.6 | 11.9 | 12.4 | 9.2 | 9.5 | 9.7 | 10.0 | 10.5 |
| | 8H | 11.2 | 11.5 | 11.7 | 12.0 | 12.5 | 9.2 | 9.4 | 9.7 | 9.9 | 10.5 |
| | 12H | 11.4 | 11.6 | 12.0 | 12.1 | 12.7 | 9.2 | 9.4 | 9.7 | 9.9 | 10.4 |
| 12H | 4H | 11.0 | 11.3 | 11.5 | 11.8 | 12.3 | 9.3 | 9.6 | 9.7 | 10.0 | 10.5 |
| | 6H | 11.1 | 11.3 | 11.6 | 11.8 | 12.4 | 9.2 | 9.4 | 9.7 | 9.9 | 10.5 |
| | 8H | 11.2 | 11.4 | 11.7 | 11.9 | 12.5 | 9.2 | 9.4 | 9.7 | 9.9 | 10.4 |
| Variations with the observer position at spacing: | | | | | | | | | | | |
| S = | 1.0H | 4.5 / -5.1 | | | | | 4.6 / -8.4 | | | | |
| | 1.5H | 7.2 / -5.6 | | | | | 7.4 / -9.1 | | | | |
| | 2.0H | 9.1 / -6.0 | | | | | 9.3 / -9.4 | | | | |