

Last information update: April 2025

Product configuration: RT72.S2

RT72.S2: Luminaire L=880 - Neutral White - Integrated DALI - Very Wide Flood (Down) optic - UGR<19 - 33.5W 4959lm - 4000K - CRI 90 - Black/White/White Transparent

**Product code**

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Technical description

Luminaire made of painted extruded aluminium, frame and caps made of injection-moulded thermoplastic. Very Wide Flood optic (80°) in a Space Opti-Diamond (PMMA) version with a rear cover available in a White (Transparent White) or Black (Transparent Black) version. Integrated DALI dimmable power supply with CRI90 direct emission Neutral white (4000K) monochrome LED lamp (Mid-Power). Version with UGR < 19 controlled luminance - in compliance with the standard for use in environments with video monitors ($L \leq 3000 \text{ cd/m}^2$).

Installation

For an electrified track

Colour

Black/White/White Transparent (S2)

Weight (Kg)

2.73

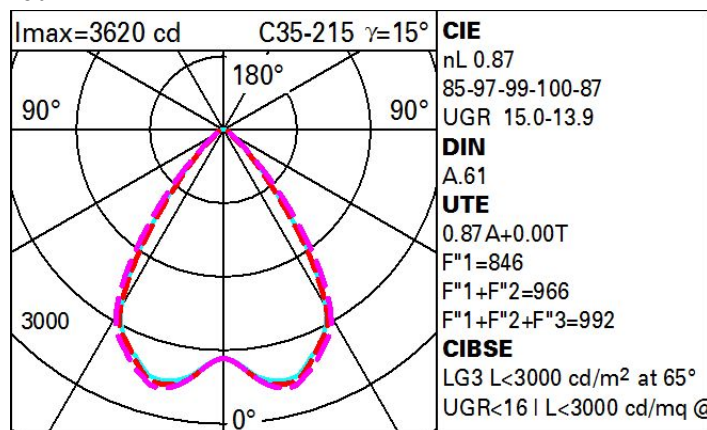
Mounting

dali track|three circuit track

Complies with EN60598-1 and pertinent regulations

**Technical data**

| | | | |
|--|------|--|--|
| Im system: | 4959 | Lamp code: | LED |
| W system: | 31 | Number of lamps for optical assembly: | 1 |
| Im source: | 5700 | ZVEI Code: | LED |
| W source: | 31 | Number of optical assemblies: | 1 |
| Luminous efficiency (lm/W, real value): | 160 | Power factor: | See installation instructions |
| Im in emergency mode: | - | Inrush current: | 10 A / - μ s |
| Total light flux at or above an angle of 90° [Lm]: | 0 | Maximum number of luminaires of this type per miniature circuit breaker: | B10A: 12 luminaires B16A: 20 luminaires C10A: 20 luminaires C16A: 34 luminaires |
| Light Output Ratio (L.O.R.) [%]: | 87 | Minimum dimming %: | 1 |
| CRI (minimum): | 90 | Overvoltage protection: | 2kV Common mode & 1kV Differential mode |
| Colour temperature [K]: | 4000 | Control: | DALI-2 |
| MacAdam Step: | 3 | | |

Polar

| R | 77 | 75 | 73 | 71 | 55 | 53 | 33 | 00 | DRR |
|------|----|----|----|----|----|----|----|----|-----|
| K0.8 | 72 | 67 | 63 | 60 | 66 | 62 | 62 | 58 | 67 |
| 1.0 | 77 | 72 | 68 | 65 | 71 | 67 | 67 | 63 | 73 |
| 1.5 | 82 | 79 | 75 | 73 | 77 | 75 | 74 | 70 | 81 |
| 2.0 | 86 | 83 | 80 | 78 | 82 | 79 | 78 | 75 | 87 |
| 2.5 | 88 | 85 | 84 | 82 | 84 | 82 | 81 | 78 | 90 |
| 3.0 | 89 | 87 | 86 | 84 | 86 | 85 | 83 | 81 | 93 |
| 4.0 | 91 | 89 | 88 | 87 | 88 | 87 | 85 | 83 | 95 |
| 5.0 | 91 | 90 | 89 | 88 | 89 | 88 | 86 | 84 | 96 |

QC

| | A | G | 1.15 | 2000 | 1000 | 500 | <=300 | | |
|---|---|---|------|------|------|------|-------|------|-------|
| B | | | 1.50 | | 2000 | 1000 | 750 | 500 | <=300 |
| C | | | 1.85 | | | 2000 | | 1000 | 500 |

85°
75°
65°
55°
45°

10⁵ 2 3 4 5 6 8 10³ 2 3 4 5 6 8 10⁴ cd/m²

C0-180 C90-270

| Corrected UGR values (at 5700 lm bare lamp luminous flux) | | | | | | | | | | | |
|--|-----|---------------------|------|------|------|------|-------------------|------|------|------|------|
| Reflect.: ceil/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 | 14.9 | 15.6 | 15.2 | 15.9 | 16.1 | 14.0 | 14.7 | 14.3 | 15.0 | 15.2 |
| | 3H | 15.0 | 15.7 | 15.3 | 16.0 | 16.2 | 13.9 | 14.6 | 14.2 | 14.9 | 15.2 |
| | 4H | 15.0 | 15.7 | 15.4 | 16.0 | 16.3 | 13.9 | 14.5 | 14.2 | 14.8 | 15.1 |
| | 6H | 15.1 | 15.6 | 15.4 | 16.0 | 16.3 | 13.8 | 14.4 | 14.1 | 14.7 | 15.0 |
| | 8H | 15.1 | 15.6 | 15.4 | 16.0 | 16.3 | 13.8 | 14.3 | 14.1 | 14.7 | 15.0 |
| | 12H | 15.0 | 15.6 | 15.4 | 15.9 | 16.3 | 13.7 | 14.3 | 14.1 | 14.6 | 15.0 |
| 4H | 2H | 14.7 | 15.4 | 15.1 | 15.7 | 16.0 | 14.0 | 14.7 | 14.4 | 15.0 | 15.3 |
| | 3H | 14.9 | 15.4 | 15.3 | 15.8 | 16.1 | 14.0 | 14.6 | 14.4 | 14.9 | 15.3 |
| | 4H | 15.0 | 15.5 | 15.4 | 15.8 | 16.2 | 14.0 | 14.5 | 14.4 | 14.8 | 15.2 |
| | 6H | 15.0 | 15.4 | 15.5 | 15.8 | 16.3 | 13.9 | 14.4 | 14.4 | 14.8 | 15.2 |
| | 8H | 15.0 | 15.4 | 15.5 | 15.8 | 16.3 | 13.9 | 14.3 | 14.4 | 14.7 | 15.2 |
| | 12H | 15.0 | 15.4 | 15.5 | 15.8 | 16.3 | 13.9 | 14.2 | 14.3 | 14.7 | 15.1 |
| 8H | 4H | 14.9 | 15.3 | 15.3 | 15.7 | 16.1 | 14.0 | 14.4 | 14.4 | 14.8 | 15.2 |
| | 6H | 15.0 | 15.3 | 15.4 | 15.7 | 16.2 | 14.0 | 14.3 | 14.5 | 14.8 | 15.2 |
| | 8H | 15.0 | 15.3 | 15.5 | 15.7 | 16.2 | 14.0 | 14.3 | 14.5 | 14.7 | 15.2 |
| | 12H | 15.0 | 15.2 | 15.5 | 15.7 | 16.2 | 14.0 | 14.2 | 14.5 | 14.7 | 15.2 |
| 12H | 4H | 14.9 | 15.2 | 15.3 | 15.6 | 16.1 | 14.0 | 14.3 | 14.4 | 14.8 | 15.2 |
| | 6H | 14.9 | 15.2 | 15.4 | 15.7 | 16.2 | 14.0 | 14.2 | 14.5 | 14.7 | 15.2 |
| | 8H | 15.0 | 15.2 | 15.5 | 15.7 | 16.2 | 14.0 | 14.2 | 14.5 | 14.7 | 15.2 |

Variations with the observer position at spacing:

| | | | |
|-----|------|------------|------------|
| S = | 1.0H | 2.7 / -3.8 | 3.0 / -4.4 |
| | 1.5H | 5.2 / -4.3 | 5.2 / -4.9 |
| | 2.0H | 7.1 / -4.9 | 7.1 / -5.2 |