

Last information update: April 2025

**Product configuration: RT66.S2**

RT66.S2: Luminaire L=880 - Warm White - Integrated DALI - Very Wide Flood (Down) optic - UGR&lt;19 - 30W 5002.5lm - 3000K - 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 CRI80 direct emission Warm white (3000K) monochrome LED lamp (Mid-Power). Version with UGR < 19 controlled luminance - in compliance with the standard for use in environments with video monitors ( $L \leq 3000$  cd/m<sup>2</sup>). With mechanical rotation block.

**Installation**

For an electrified track.

**Colour**

Black/White/White Transparent (S2)

**Weight (Kg)**

2.73

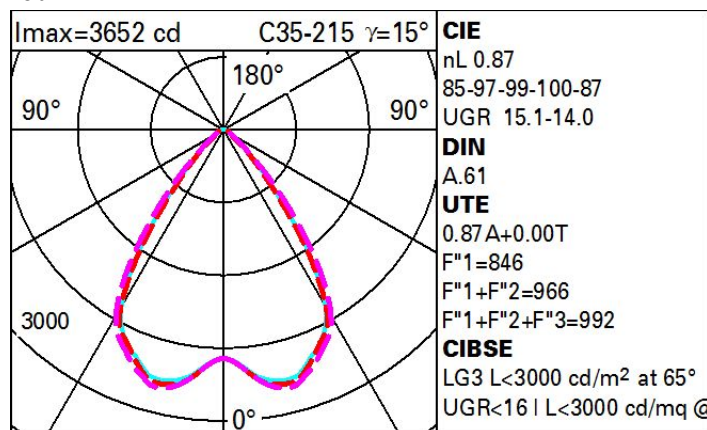
**Mounting**

internal wall corner|dali track|three circuit track|ceiling recessed|ceiling surface

Complies with EN60598-1 and pertinent regulations

**Technical data**

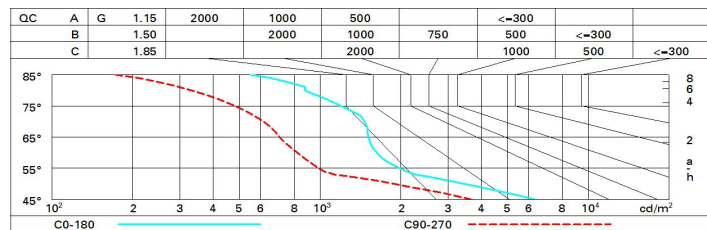
|  |       |  |  |
|--|-------|--|--|
| Im system:   | 5003  | Lamp code:   | LED  |
| W system:  | 27    | Number of lamps for optical assembly:                                    | 1  |
| Im source:   | 5750  | ZVEI Code:   | LED  |
| W source:  | 27    | Number of optical assemblies:  | 1  |
| Luminous efficiency (Im/W, real value):            | 185.3 | Power factor:  | See installation instructions  |
| Im in emergency mode:                              | -     | Inrush current:  | 10 A / 220 $\mu$ 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: 18 luminaires<br>B16A: 30 luminaires<br>C10A: 31 luminaires<br>C16A: 51 luminaires |
| Light Output Ratio (L.O.R.) [%]:                   | 87    | Minimum dimming %:   | 1  |
| CRI (minimum):                                     | 80    | Overvoltage protection:  | 2kV Common mode & 1kV Differential mode  |
| Colour temperature [K]:                            | 3000  | Control:   | DALI-2   |
| MacAdam Step:                                      | 3     |  |  |

**Polar**

# Utilisation factors

| 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  |

# Luminance curve limit



# UGR diagram

| Corrected UGR values (at 5750 lm bare lamp luminous flux)                |      |                     |      |      |      |      |                   |      |      |      |      |
|--|------|---------------------|------|------|------|------|-------------------|------|------|------|------|
| Riflect.:<br>ceil/cav<br>walls<br>work pl.<br>Room dim<br>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<br>crosswise |      |      |      |      | viewed<br>endwise |      |      |      |      |
| 2H   | 2H   | 14.9                | 15.7 | 15.2 | 15.9 | 16.2 | 14.0              | 14.8 | 14.3 | 15.0 | 15.3 |
|  | 3H   | 15.0                | 15.7 | 15.3 | 16.0 | 16.3 | 13.9              | 14.6 | 14.3 | 14.9 | 15.2 |
|  | 4H   | 15.1                | 15.7 | 15.4 | 16.0 | 16.3 | 13.9              | 14.5 | 14.2 | 14.8 | 15.1 |
|  | 6H   | 15.1                | 15.7 | 15.4 | 16.0 | 16.3 | 13.8              | 14.4 | 14.2 | 14.7 | 15.1 |
|  | 8H   | 15.1                | 15.7 | 15.5 | 16.0 | 16.3 | 13.8              | 14.4 | 14.2 | 14.7 | 15.0 |
|  | 12H  | 15.1                | 15.6 | 15.4 | 16.0 | 16.3 | 13.8              | 14.3 | 14.1 | 14.6 | 15.0 |
| 4H   | 2H   | 14.8                | 15.4 | 15.1 | 15.7 | 16.0 | 14.0              | 14.7 | 14.4 | 15.0 | 15.3 |
|  | 3H   | 14.9                | 15.5 | 15.3 | 15.8 | 16.2 | 14.0              | 14.6 | 14.4 | 14.9 | 15.3 |
|  | 4H   | 15.0                | 15.5 | 15.4 | 15.9 | 16.2 | 14.0              | 14.5 | 14.4 | 14.9 | 15.2 |
|  | 6H   | 15.1                | 15.5 | 15.5 | 15.9 | 16.3 | 14.0              | 14.4 | 14.4 | 14.8 | 15.2 |
|  | 8H   | 15.1                | 15.5 | 15.5 | 15.9 | 16.3 | 14.0              | 14.3 | 14.4 | 14.8 | 15.2 |
|  | 12H  | 15.1                | 15.4 | 15.5 | 15.8 | 16.3 | 13.9              | 14.3 | 14.4 | 14.7 | 15.2 |
| 8H   | 4H   | 14.9                | 15.3 | 15.4 | 15.7 | 16.2 | 14.0              | 14.4 | 14.5 | 14.8 | 15.3 |
|  | 6H   | 15.0                | 15.3 | 15.5 | 15.8 | 16.2 | 14.0              | 14.3 | 14.5 | 14.8 | 15.3 |
|  | 8H   | 15.0                | 15.3 | 15.5 | 15.8 | 16.3 | 14.0              | 14.3 | 14.5 | 14.7 | 15.2 |
|  | 12H  | 15.0                | 15.3 | 15.5 | 15.7 | 16.3 | 14.0              | 14.2 | 14.5 | 14.7 | 15.2 |
| 12H  | 4H   | 14.9                | 15.2 | 15.3 | 15.7 | 16.1 | 14.0              | 14.4 | 14.5 | 14.8 | 15.2 |
|  | 6H   | 15.0                | 15.2 | 15.5 | 15.7 | 16.2 | 14.0              | 14.3 | 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        |      |      |      |      |