

Last information update: April 2025

**Product configuration: RT84.S2**

RT84.S2: Luminaire L=880 - Neutral White - Integrated DALI - Very Wide Flood (Down) optic - 51.7W 8743.5lm - 4000K - 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 Neutral white (4000K) monochrome LED lamp (Mid-Power).

**Installation**

For an electrified track

**Colour**

Black/White/White Transparent (S2)

**Weight (Kg)**

2.73

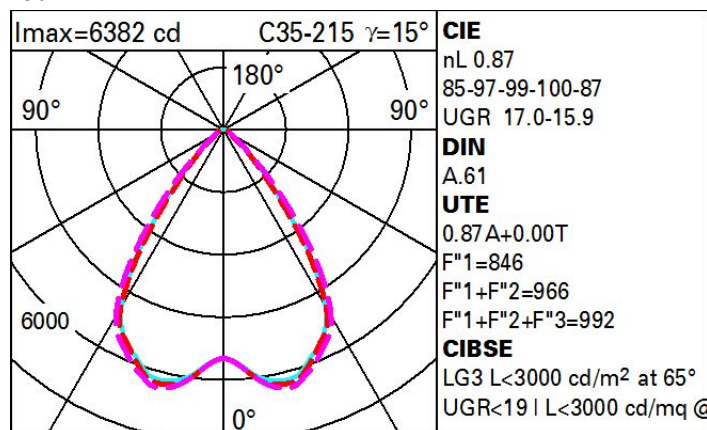
**Mounting**

dali track|three circuit track

Complies with EN60598-1 and pertinent regulations

**Technical data**

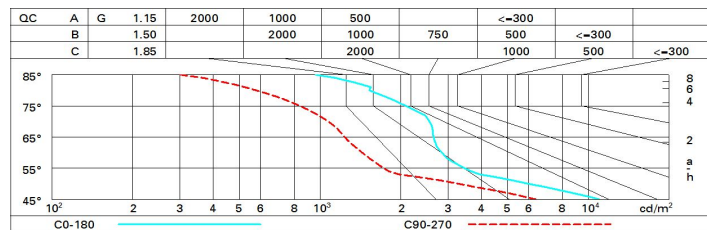
|  |       |  |  |
|--|-------|--|--|
| Im system:   | 8744  | Lamp code:   | LED  |
| W system:  | 47    | Number of lamps for optical assembly:                                    | 1  |
| Im source:   | 10050 | ZVEI Code:   | LED  |
| W source:  | 47    | Number of optical assemblies:  | 1  |
| Luminous efficiency (Im/W, real value):            | 186   | Power factor:  | See installation instructions  |
| Im in emergency mode:                              | -     | Inrush current:  | 10 A / - µs  |
| 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<br>B16A: 20 luminaires<br>C10A: 20 luminaires<br>C16A: 34 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]:                            | 4000  | 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 10050 lm bare lamp luminous flux)       |     |                     |      |      |      |      |                   |      |      |      |      |
|--|-----|---------------------|------|------|------|------|-------------------|------|------|------|------|
| Reflect.:<br>ceiling/cav<br>walls<br>work pl.<br>Room dim<br>x y |     | viewed<br>crosswise |      |      |      |      | viewed<br>endwise |      |      |      |      |
| 2H   | 2H  | 10.8                | 17.0 | 17.1 | 17.9 | 18.1 | 15.9              | 10.7 | 10.2 | 10.9 | 17.2 |
|  | 3H  | 17.0                | 17.0 | 17.3 | 17.9 | 18.2 | 15.9              | 10.6 | 10.2 | 10.8 | 17.1 |
|  | 4H  | 17.0                | 17.7 | 17.3 | 17.9 | 18.3 | 15.8              | 10.5 | 10.2 | 10.8 | 17.1 |
|  | 6H  | 17.0                | 17.0 | 17.4 | 17.9 | 18.3 | 15.8              | 10.4 | 10.1 | 10.7 | 17.0 |
|  | 8H  | 17.0                | 17.0 | 17.4 | 17.9 | 18.3 | 15.7              | 10.3 | 10.1 | 10.6 | 17.0 |
|  | 12H | 17.0                | 17.0 | 17.4 | 17.9 | 18.3 | 15.7              | 10.2 | 10.1 | 10.6 | 16.9 |
| 4H   | 2H  | 10.7                | 17.3 | 17.0 | 17.0 | 18.0 | 10.0              | 10.0 | 10.3 | 10.9 | 17.2 |
|  | 3H  | 10.9                | 17.4 | 17.2 | 17.7 | 18.1 | 10.0              | 10.5 | 10.4 | 10.9 | 17.2 |
|  | 4H  | 10.9                | 17.4 | 17.3 | 17.8 | 18.2 | 15.9              | 10.4 | 10.4 | 10.8 | 17.2 |
|  | 6H  | 17.0                | 17.4 | 17.4 | 17.8 | 18.2 | 15.9              | 10.3 | 10.3 | 10.7 | 17.2 |
|  | 8H  | 17.0                | 17.4 | 17.5 | 17.8 | 18.2 | 15.9              | 10.3 | 10.3 | 10.7 | 17.1 |
|  | 12H | 17.0                | 17.3 | 17.5 | 17.8 | 18.2 | 15.9              | 10.2 | 10.3 | 10.6 | 17.1 |
| 8H   | 4H  | 10.9                | 17.3 | 17.3 | 17.7 | 18.1 | 10.0              | 10.4 | 10.4 | 10.8 | 17.2 |
|  | 6H  | 10.9                | 17.3 | 17.4 | 17.7 | 18.2 | 10.0              | 10.3 | 10.4 | 10.7 | 17.2 |
|  | 8H  | 17.0                | 17.2 | 17.5 | 17.7 | 18.2 | 15.9              | 10.2 | 10.4 | 10.7 | 17.2 |
|  | 12H | 17.0                | 17.2 | 17.5 | 17.7 | 18.2 | 15.9              | 10.2 | 10.4 | 10.6 | 17.2 |
| 12H  | 4H  | 10.8                | 17.2 | 17.3 | 17.0 | 18.1 | 15.9              | 10.3 | 10.4 | 10.7 | 17.2 |
|  | 6H  | 10.9                | 17.2 | 17.4 | 17.0 | 18.1 | 15.9              | 10.2 | 10.4 | 10.7 | 17.2 |
|  | 8H  | 10.9                | 17.2 | 17.4 | 17.7 | 18.2 | 15.9              | 10.2 | 10.4 | 10.7 | 17.2 |
| Variations with the observer position at spacing:                |     |                     |      |      |      |      |                   |      |      |      |      |
| S =  |     | 1.0H                |      |      |      |      | 2.7 / -3.8        |      |      |      |      |
|  |     | 1.5H                |      |      |      |      | 5.2 / -4.3        |      |      |      |      |
|  |     | 2.0H                |      |      |      |      | 7.1 / -4.9        |      |      |      |      |