

Last information update: April 2025

Product configuration: RT76.S3

RT76.S3: Luminaire L=880 - Neutral White - CASAMBI - Very Wide Flood (Down) optic - UGR<19 - 33.2W 5611.5lm - 4000K - White/Black/Black 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. 4000K CRI80 direct emission monochrome LED lamp (Mid-Power). Version with UGR < 19 controlled luminance - in compliance with the standard for use in environments with video monitors ($L \leq 3000 \text{ cd/m}^2$). Luminaire complete with power supply with CASAMBI Bluetooth technology, frequency 2.4 GHz. The luminaire can be controlled with the Casambi system app and components that enable on-off, dimming and scene recall functions. The app is available on the Apple Store and Google Play Store. It can be integrated in the system's mesh network that allows multiple luminaires to be controlled. Integrated Beacon that can be activated via an app (iBeacon) that enables smart functions for third party applications and the Jiminy Push Notification app.

Installation

For an electrified track

Colour

White/Black/Black Transparent (S3)

Weight (Kg)

2.73

Mounting

dali track|three circuit track

Notes

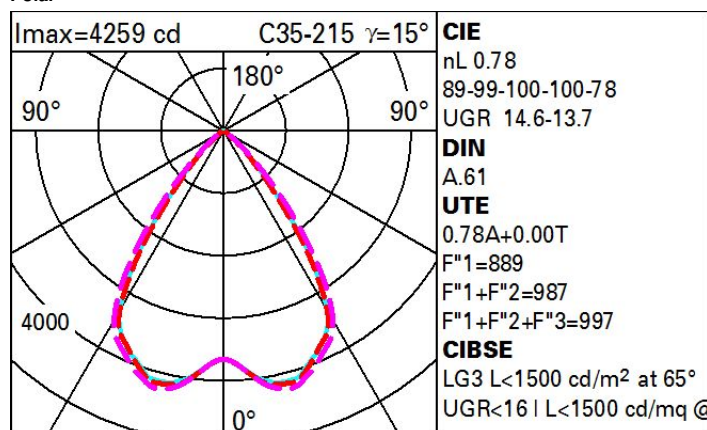
Max Luminaire-Luminaire distance 8 m.

The maximum distance is affected by physical obstacles, like walls, metal panels and the layout of the system.

Complies with EN60598-1 and pertinent regulations

**Technical data**

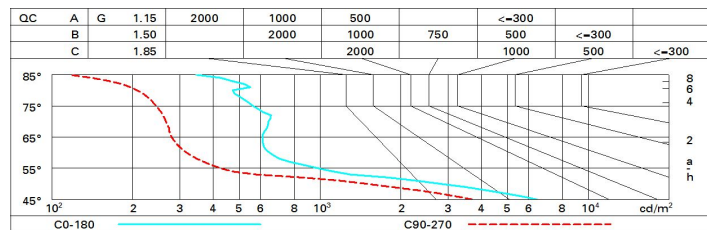
| | | | |
|--|------|--|--|
| Im system: | 5577 | MacAdam Step: | 3 |
| W system: | 33 | Lamp code: | LED |
| Im source: | 7150 | Number of lamps for optical assembly: | 1 |
| W source: | 33 | ZVEI Code: | LED |
| Luminous efficiency (Im/W, real value): | 169 | Number of optical assemblies: | 1 |
| Im in emergency mode: | - | Power factor: | See installation instructions |
| Total light flux at or above an angle of 90° [Lm]: | 0 | Inrush current: | 5 A / 50 µs |
| Light Output Ratio (L.O.R.) [%]: | 78 | Maximum number of luminaires of this type per miniature circuit breaker: | B10A: 31 luminaires B16A: 50 luminaires C10A: 52 luminaires C16A: 85 luminaires |
| CRI (minimum): | 80 | Overvoltage protection: | 4kV Common mode & 2kV Differential mode |
| Colour temperature [K]: | 4000 | Control: | Casambi |

Polar

Utilisation factors

| R | 77 | 75 | 73 | 71 | 55 | 53 | 33 | 00 | DRR |
|------|----|----|----|----|----|----|----|----|-----|
| K0.8 | 66 | 62 | 59 | 56 | 61 | 58 | 58 | 55 | 70 |
| 1.0 | 70 | 66 | 63 | 61 | 65 | 62 | 62 | 59 | 76 |
| 1.5 | 75 | 72 | 69 | 67 | 71 | 69 | 68 | 65 | 84 |
| 2.0 | 78 | 75 | 74 | 72 | 74 | 73 | 72 | 69 | 89 |
| 2.5 | 79 | 78 | 76 | 75 | 76 | 75 | 74 | 72 | 92 |
| 3.0 | 81 | 79 | 78 | 77 | 78 | 77 | 76 | 74 | 94 |
| 4.0 | 82 | 81 | 80 | 79 | 79 | 79 | 77 | 75 | 96 |
| 5.0 | 82 | 82 | 81 | 80 | 80 | 79 | 78 | 76 | 97 |

Luminance curve limit



UGR diagram

| Corrected UGR values (at 7150 lm bare lamp luminous flux) | | | | | | | | | | | |
|--|------|---------------------|------|------|------|------|-------------------|------|------|------|------|
| Riflect.: 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 | 15.1 | 15.8 | 15.4 | 16.0 | 16.3 | 14.2 | 15.0 | 14.5 | 15.2 | 15.4 |
| | 3H | 15.0 | 15.6 | 15.3 | 15.9 | 16.2 | 14.1 | 14.8 | 14.4 | 15.0 | 15.3 |
| | 4H | 14.9 | 15.5 | 15.3 | 15.8 | 16.1 | 14.0 | 14.6 | 14.4 | 14.9 | 15.2 |
| | 6H | 14.9 | 15.4 | 15.2 | 15.7 | 16.1 | 14.0 | 14.5 | 14.3 | 14.8 | 15.2 |
| | 8H | 14.9 | 15.4 | 15.2 | 15.7 | 16.1 | 13.9 | 14.5 | 14.3 | 14.8 | 15.1 |
| | 12H | 14.8 | 15.3 | 15.2 | 15.7 | 16.0 | 13.9 | 14.4 | 14.3 | 14.7 | 15.1 |
| 4H | 2H | 14.9 | 15.5 | 15.2 | 15.8 | 16.1 | 14.1 | 14.7 | 14.4 | 15.0 | 15.3 |
| | 3H | 14.8 | 15.3 | 15.2 | 15.6 | 16.0 | 13.9 | 14.4 | 14.3 | 14.8 | 15.1 |
| | 4H | 14.7 | 15.2 | 15.1 | 15.5 | 15.9 | 13.9 | 14.3 | 14.3 | 14.7 | 15.1 |
| | 6H | 14.7 | 15.1 | 15.1 | 15.5 | 15.9 | 13.8 | 14.2 | 14.2 | 14.6 | 15.0 |
| | 8H | 14.6 | 15.0 | 15.1 | 15.4 | 15.9 | 13.7 | 14.1 | 14.2 | 14.5 | 14.9 |
| | 12H | 14.6 | 14.9 | 15.1 | 15.4 | 15.8 | 13.7 | 14.0 | 14.1 | 14.4 | 14.9 |
| 8H | 4H | 14.6 | 15.0 | 15.0 | 15.4 | 15.8 | 13.8 | 14.1 | 14.2 | 14.5 | 15.0 |
| | 6H | 14.6 | 14.8 | 15.0 | 15.3 | 15.8 | 13.7 | 14.0 | 14.2 | 14.4 | 14.9 |
| | 8H | 14.5 | 14.8 | 15.0 | 15.2 | 15.7 | 13.7 | 13.9 | 14.1 | 14.4 | 14.9 |
| | 12H | 14.5 | 14.7 | 15.0 | 15.2 | 15.7 | 13.6 | 13.8 | 14.1 | 14.3 | 14.8 |
| 12H | 4H | 14.6 | 14.9 | 15.0 | 15.3 | 15.8 | 13.7 | 14.1 | 14.2 | 14.5 | 14.9 |
| | 6H | 14.5 | 14.8 | 15.0 | 15.2 | 15.7 | 13.7 | 13.9 | 14.1 | 14.4 | 14.9 |
| | 8H | 14.5 | 14.7 | 15.0 | 15.2 | 15.7 | 13.6 | 13.8 | 14.1 | 14.3 | 14.8 |
| Variations with the observer position at spacing: | | | | | | | | | | | |
| S = | 1.0H | 3.6 / -8.7 | | | | | 3.8 / -9.6 | | | | |
| | 1.5H | 6.3 / -9.7 | | | | | 6.2 / -10.3 | | | | |
| | 2.0H | 8.3 / -10.3 | | | | | 8.2 / -10.6 | | | | |