## Lightshine

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Last information update: June 2023

**Product configuration: MJ36**
MJ36: continuous line module L 1381 - Low Contrast - warm white LED - up / down lighting - integrated DALI dimmable control gear - general light optic

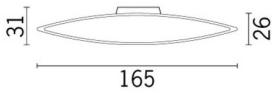
**Product code**
MJ36: continuous line module L 1381 - Low Contrast - warm white LED - up / down lighting - integrated DALI dimmable control gear - general light optic **Attention! Code no longer in production**

**Technical description**
modular pendant system with LED lamps. Module for general light (Low Contrast) specifically for continuous line; down light emission (approx. 80%) - up light emission (approx. 20%). Very thin aluminium profile. For serial installation the modules must be completed with the necessary accessory components. PMMA diffuser screen for down light emission; frosted polycarbonate upper screens. A control system, integrated with the DALI dimmable electronic control gear, stabilises current and voltage values, guaranteeing correct LED lamp operation and longer life, also making the light flow emitted very even. Warm white LED.

**Installation**
pendant, in a continuous line. Accessories and components available: linear joint (MX71) for joining adjacent modules, including intermediate suspension cable; pair of end caps (MX70) for start/end of continuous line; base for power cable (max. L 1500 mm) and suspension cable (MX72) with ceiling anchor plate; start/end suspension cable (MX73); the suspension cables are made of steel and include a rapid adjustment system. All ceiling attachments use screws and screw anchors (not supplied)

**Colour**
White (01) | Grey (15)

**Weight (Kg)**
4.04




**Mounting**
ceiling pendant

**Wiring**
the module is fitted with 5-pin terminal blocks for pass-through wiring at the ends; the accessory power base (MX72) has a quick-coupling terminal block for connection to the mains. Product complete with DALI dimmable electronic control gear, equipped with current stabiliser, integrated in the module. Down light / up light switch on separation: not available.

**Notes**
installation in a continuous line allowed: pendant; use the accessories envisaged. Possibility of creating continuous lines using mixed modules - Low Contrast / High Contrast - however, it is important to consider the different lengths and the specific possibilities for wiring between the various modules

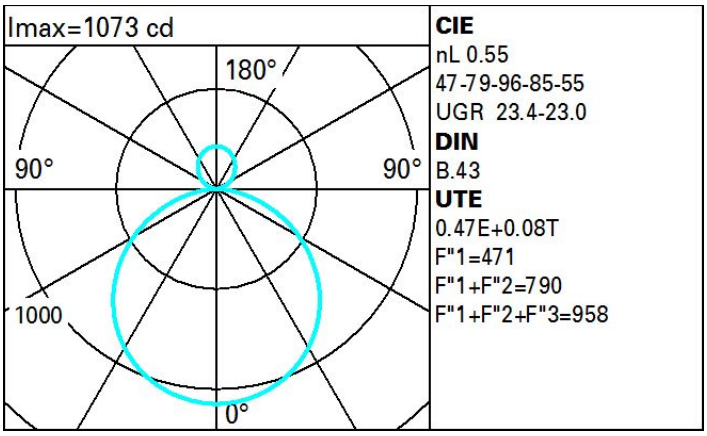
Complies with EN60598-1 and pertinent regulations

IP20

**Technical data**

| | | | |
|---|---|---|---|
| lm system: | 3630 | Colour temperature [K]: | 3000 |
| W system: | 46.4 | MacAdam Step: | 3 |
| lm source: | 6600 | Life Time LED 1: | > 50,000h - L80 - B10 (Ta 25°C) |
| W source: | 39.4 | Ballast losses [W]: | 7 |
| Luminous efficiency (lm/W, real value): | 78.2 | Lamp code: | LED |
| lm in emergency mode: | - | Number of lamps for optical assembly: | 1 |
| Total light flux at or above an angle of 90° [Lm]: | 546 | ZVEI Code: | LED |
| Light Output Ratio (L.O.R.) [%]: | 55 | Number of optical assemblies: | 1 |
| CRI (minimum): | 80 | Control: | DALI |

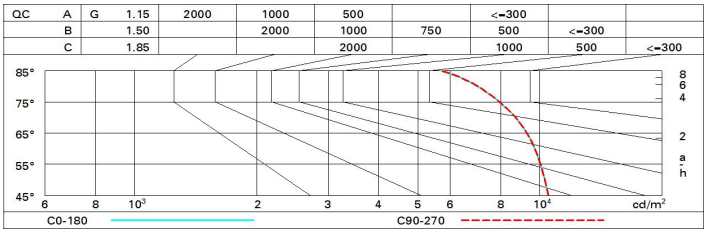
**Polar**



**Utilisation factors**

| R | 77 | 75 | 73 | 71 | 55 | 53 | 33 | 00 | DRR |
|---|---|---|---|---|---|---|---|---|---|
| K0.8 | 34 | 29 | 25 | 22 | 27 | 23 | 22 | 18 | 39 |
| 1.0 | 38 | 32 | 29 | 26 | 31 | 27 | 26 | 22 | 46 |
| 1.5 | 43 | 39 | 36 | 33 | 37 | 34 | 32 | 28 | 59 |
| 2.0 | 46 | 43 | 40 | 38 | 41 | 38 | 36 | 32 | 68 |
| 2.5 | 48 | 45 | 43 | 41 | 43 | 41 | 39 | 35 | 74 |
| 3.0 | 50 | 47 | 45 | 43 | 45 | 43 | 41 | 36 | 78 |
| 4.0 | 52 | 49 | 48 | 46 | 47 | 45 | 43 | 39 | 83 |
| 5.0 | 53 | 51 | 49 | 48 | 48 | 47 | 45 | 40 | 86 |

**Luminance curve limit**




**UGR diagram**

Corrected UGR values (at 6600 lm bare lamp luminous flux)

| Riflect.: | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| ceil/cav | | 0.70 | 0.70 | 0.50 | 0.50 | 0.30 | 0.70 | 0.70 | 0.50 | 0.50 | 0.30 |
| walls | | 0.50 | 0.30 | 0.50 | 0.30 | 0.30 | 0.50 | 0.30 | 0.50 | 0.30 | 0.30 |
| work pl. | | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 |
| Room dim | | | | viewed crosswise | | | | | viewed endwise | | |
| x | y | | | | | | | | | | |
| 2H | 2H | 19.8 | 20.8 | 20.3 | 21.3 | 21.8 | 19.8 | 20.8 | 20.3 | 21.3 | 21.8 |
| | 3H | 21.3 | 22.2 | 21.8 | 22.7 | 23.3 | 20.2 | 21.1 | 20.8 | 21.7 | 22.3 |
| | 4H | 21.8 | 22.7 | 22.4 | 23.2 | 23.8 | 20.4 | 21.2 | 21.0 | 21.8 | 22.4 |
| | 6H | 22.3 | 23.0 | 22.8 | 23.6 | 24.2 | 20.5 | 21.2 | 21.1 | 21.8 | 22.5 |
| | 8H | 22.4 | 23.1 | 23.0 | 23.7 | 24.4 | 20.5 | 21.2 | 21.1 | 21.8 | 22.4 |
| | 12H | 22.5 | 23.1 | 23.1 | 23.7 | 24.4 | 20.4 | 21.1 | 21.0 | 21.7 | 22.4 |
| 4H | 2H | 20.4 | 21.2 | 21.0 | 21.8 | 22.4 | 21.8 | 22.7 | 22.4 | 23.2 | 23.8 |
| | 3H | 22.1 | 22.8 | 22.7 | 23.4 | 24.0 | 22.5 | 23.2 | 23.1 | 23.8 | 24.4 |
| | 4H | 22.7 | 23.4 | 23.4 | 24.0 | 24.7 | 22.7 | 23.4 | 23.4 | 24.0 | 24.7 |
| | 6H | 23.3 | 23.8 | 23.9 | 24.4 | 25.2 | 22.9 | 23.5 | 23.6 | 24.1 | 24.9 |
| | 8H | 23.4 | 23.9 | 24.1 | 24.6 | 25.3 | 23.0 | 23.5 | 23.6 | 24.1 | 24.9 |
| | 12H | 23.5 | 24.0 | 24.2 | 24.6 | 25.4 | 23.0 | 23.4 | 23.7 | 24.1 | 24.9 |
| 8H | 4H | 23.0 | 23.5 | 23.6 | 24.1 | 24.9 | 23.4 | 23.9 | 24.1 | 24.6 | 25.3 |
| | 6H | 23.6 | 24.0 | 24.3 | 24.7 | 25.5 | 23.8 | 24.2 | 24.4 | 24.8 | 25.6 |
| | 8H | 23.9 | 24.2 | 24.6 | 24.9 | 25.7 | 23.9 | 24.2 | 24.6 | 24.9 | 25.7 |
| | 12H | 24.0 | 24.3 | 24.8 | 25.0 | 25.9 | 23.9 | 24.2 | 24.7 | 25.0 | 25.8 |
| 12H | 4H | 23.0 | 23.4 | 23.7 | 24.1 | 24.9 | 23.5 | 24.0 | 24.2 | 24.6 | 25.4 |
| | 6H | 23.7 | 24.0 | 24.4 | 24.7 | 25.5 | 23.9 | 24.2 | 24.6 | 24.9 | 25.7 |
| | 8H | 23.9 | 24.2 | 24.7 | 25.0 | 25.8 | 24.0 | 24.3 | 24.8 | 25.0 | 25.9 |

Variations with the observer position at spacing:

| | | | |
|---|---|---|---|
| S = | 1.0H | 0.1 / -0.1 | 0.1 / -0.1 |
| | 1.5H | 0.3 / -0.4 | 0.3 / -0.4 |
| | 2.0H | 0.4 / -0.6 | 0.4 / -0.6 |