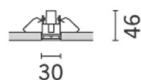
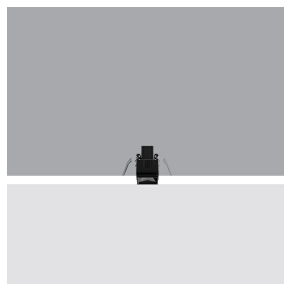


Last information update: June 2025

Product configuration: MT92

MT92: Square, Frameless, Recessed luminaire - Warm white LED - Flood optic

**Product code**

MT92: Square, Frameless, Recessed luminaire - Warm white LED - Flood optic

Technical description

square, miniaturised, recessed luminaire for an individual LED - fixed optic - flood beam angle. Die-cast aluminium body, minimal version (frameless). Metallised, thermoplastic, high definition optic, integrated in a rear position in the black, anti-glare screen. Connecting cable supplied. Ballast not included, available with separate code. High CRI, warm white LED.

Installation

recessed with steel wire springs on the specific adapter (included) which allows flush-mounting with the ceiling. Adapter for fitting luminaire to false ceilings (12.5 mm thick) with self-tapping screws; subsequent filling and smoothing operations; insertion of luminaire body and stylish finishing. Preparation hole 35 x 35

Weight (Kg)

0.07

Mounting

wall recessed|ceiling recessed|ceiling surface

Wiring

Direct current ballasts to be ordered separately: electronic (MXF9) for max. 7 LEDs; DALI dimmable (BZM4) for max. 15 LEDs (check instruction leaflet for compatible lengths of cables to be used)

Complies with EN60598-1 and pertinent regulations



IP20

IP23

On the visible part of the product once installed

**Technical data**

| | | | |
|--|-----|---------------------------------------|-------------------------------|
| Im system: | 157 | CRI (typical): | 97 |
| W system: | 2.1 | Colour temperature [K]: | 3000 |
| Im source: | 190 | MacAdam Step: | 3 |
| W source: | 2.1 | Life Time LED 1: | 50,000h - L90 - B10 (Ta 25°C) |
| Luminous efficiency (Im/W, real value): | 75 | Lamp code: | LED |
| Im in emergency mode: | - | Number of lamps for optical assembly: | 1 |
| Total light flux at or above an angle of 90° [Lm]: | 0 | ZVEI Code: | LED |
| Light Output Ratio (L.O.R.) [%]: | 83 | Number of optical assemblies: | 1 |
| Beam angle [°]: | 32° | LED current [mA]: | 700 |
| CRI (minimum): | 95 | Control: | DALI |

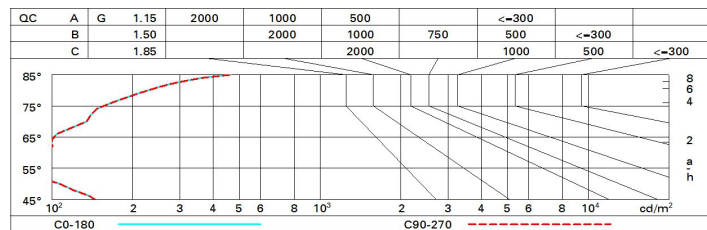
Polar

| | | | | | | | | | | | | |
|--|--|--|--|--|--|--|--|--|---|--|--|--|
| | Imax=529 cd 90° 180° 90° 600 0° α = 32° | | | | CIE nL 0.83 100-100-100-100-83 UGR <10-<10 DIN A.61 UTE 0.83A+0.00T F*1=999 F*1.4F*2=999 F*1.4F*2+F*3=1000 CIBSE LG3 L<1500 cd/m² at 65° UGR<10 L<1500 cd/mq @65° | | | | Lux h d Em Emax 1 0.6 411 529 2 1.1 103 132 3 1.7 46 59 4 2.3 26 33 | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |

Utilisation factors

| R | 77 | 75 | 73 | 71 | 55 | 53 | 33 | 00 | DRR |
|------|----|----|----|----|----|----|----|----|-----|
| K0.8 | 75 | 71 | 68 | 66 | 70 | 68 | 68 | 65 | 78 |
| 1.0 | 78 | 75 | 72 | 70 | 74 | 72 | 71 | 69 | 83 |
| 1.5 | 82 | 79 | 77 | 76 | 78 | 77 | 76 | 73 | 89 |
| 2.0 | 84 | 83 | 81 | 80 | 81 | 80 | 79 | 77 | 93 |
| 2.5 | 86 | 85 | 84 | 83 | 83 | 82 | 82 | 79 | 96 |
| 3.0 | 87 | 86 | 85 | 85 | 85 | 84 | 83 | 81 | 98 |
| 4.0 | 88 | 87 | 87 | 86 | 86 | 86 | 84 | 82 | 99 |
| 5.0 | 89 | 88 | 88 | 87 | 87 | 86 | 85 | 83 | 100 |

Luminance curve limit



UGR diagram

| Corrected UGR values (at 190 lm bare lamp luminous flux) | | | | | | | | | | | |
|--|------|---------------------|------|------|------|------|-------------------|------|------|------|------|
| Reflect.: ceiling/cav walls work pl. Room dim x y | | viewed crosswise | | | | | viewed endwise | | | | |
| | | 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 |
| | | | | | | | | | | | |
| 2H | 2H | -2.9 | -2.4 | -2.6 | -2.1 | -1.9 | -2.9 | -2.4 | -2.6 | -2.1 | -1.9 |
| | 3H | -2.9 | -2.5 | -2.6 | -2.2 | -1.9 | -3.0 | -2.5 | -2.7 | -2.3 | -2.0 |
| | 4H | -3.0 | -2.5 | -2.6 | -2.2 | -1.9 | -3.1 | -2.6 | -2.7 | -2.3 | -2.0 |
| | 6H | -2.9 | -2.5 | -2.6 | -2.2 | -1.9 | -3.1 | -2.7 | -2.8 | -2.4 | -2.1 |
| | 8H | -2.9 | -2.5 | -2.5 | -2.2 | -1.8 | -3.2 | -2.8 | -2.8 | -2.4 | -2.1 |
| | 12H | -2.8 | -2.4 | -2.4 | -2.1 | -1.7 | -3.2 | -2.8 | -2.8 | -2.5 | -2.1 |
| | | | | | | | | | | | |
| 4H | 2H | -3.1 | -2.6 | -2.7 | -2.3 | -2.0 | -3.0 | -2.5 | -2.6 | -2.2 | -1.9 |
| | 3H | -3.1 | -2.7 | -2.7 | -2.4 | -2.1 | -3.1 | -2.7 | -2.7 | -2.4 | -2.0 |
| | 4H | -3.1 | -2.8 | -2.7 | -2.4 | -2.0 | -3.1 | -2.8 | -2.7 | -2.4 | -2.0 |
| | 6H | -3.0 | -2.7 | -2.6 | -2.3 | -1.9 | -3.2 | -2.9 | -2.7 | -2.5 | -2.1 |
| | 8H | -2.9 | -2.6 | -2.5 | -2.2 | -1.8 | -3.2 | -2.9 | -2.7 | -2.5 | -2.1 |
| | 12H | -2.7 | -2.5 | -2.2 | -2.0 | -1.6 | -3.2 | -3.0 | -2.8 | -2.5 | -2.1 |
| | | | | | | | | | | | |
| 8H | 4H | -3.2 | -2.9 | -2.7 | -2.5 | -2.1 | -2.9 | -2.6 | -2.5 | -2.2 | -1.8 |
| | 6H | -3.0 | -2.8 | -2.5 | -2.3 | -1.9 | -2.8 | -2.6 | -2.4 | -2.2 | -1.7 |
| | 8H | -2.8 | -2.6 | -2.3 | -2.1 | -1.7 | -2.8 | -2.6 | -2.3 | -2.1 | -1.7 |
| | 12H | -2.4 | -2.3 | -1.9 | -1.8 | -1.3 | -2.7 | -2.6 | -2.2 | -2.1 | -1.6 |
| | | | | | | | | | | | |
| 12H | 4H | -3.2 | -3.0 | -2.8 | -2.5 | -2.1 | -2.7 | -2.5 | -2.2 | -2.0 | -1.6 |
| | 6H | -3.0 | -2.8 | -2.5 | -2.3 | -1.8 | -2.6 | -2.4 | -2.1 | -1.9 | -1.4 |
| | 8H | -2.7 | -2.6 | -2.2 | -2.1 | -1.6 | -2.4 | -2.3 | -1.9 | -1.8 | -1.3 |
| | | | | | | | | | | | |
| Variations with the observer position at spacing: | | | | | | | | | | | |
| S = | 1.0H | 5.6 / -3.8 | | | | | 5.6 / -3.8 | | | | |
| | 1.5H | 8.3 / -4.0 | | | | | 8.3 / -4.0 | | | | |
| | 2.0H | 10.3 / -4.1 | | | | | 10.3 / -4.1 | | | | |