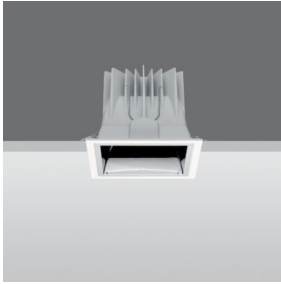


Last information update: April 2018

**Sqaure recess - neutral white - electronic ballast - general light optic with controlled luminance UGR<19****Product code**

MU26

Technical description

Recessed fixed square luminaire designed to use a LED lamp. Version with rim for surface-mounting. Reflector vacuum-metallised with aluminium vapours with an anti-scratch protective layer. Die-cast aluminium body and passive dissipation system. Product complete with LED unit in a neutral white tone 4000K and electronic driver separate from the luminaire. General light distribution, with controlled luminance (UGR<19).

Installation

Recessed using torsion springs which allow easy installation in false ceilings with thickness ranging from 1 mm to 20 mm.

Dimension (mm)

144x144x107

Colour

White/Aluminium (39)

Weight (Kg)

1

Mounting

ceiling recessed

Wiring

Product complete with electronic components

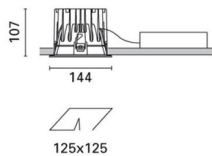
Complies with EN60598-1 and pertinent regulations



IP20

IP54

On the visible part of the product once installed

**Product configuration: MU26****Product characteristics**

Total lighting output [Lm]: 1759
Total power [W]: 15.8
Luminous efficacy [Lm/W]: 111.3
Life Time: 50,000h - L80 - B10 (Ta 25°C)

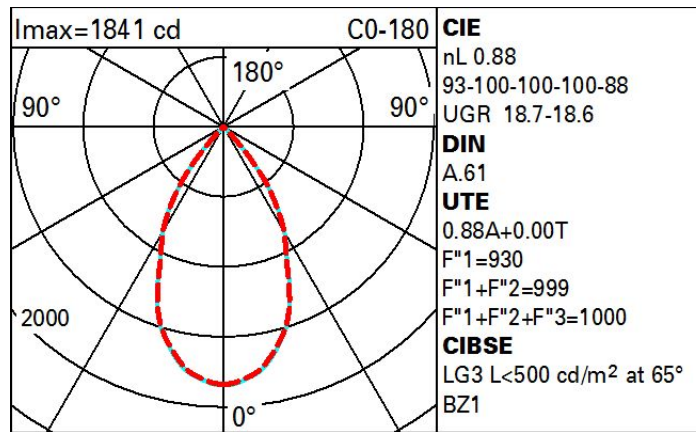
Total luminous flux at or above an angle of 90° [Lm]: 0
Emergency luminous flux [Lm]: /
Voltage [V]: -
Number of optical assemblies: 1

Optical assembly Characteristics Type 1

Light Output Ratio (L.O.R.) [%]: 88
Lamp code: LED
ZVEI Code: LED
Nominal power [W]: 13
Nominal luminous [Lm]: 2000
Lamp maximum intensity [cd]: /
Beam angle [°]: /

Number of lamps for optical assembly: 1
Socket: /
Ballast losses [W]: 2.8
Colour temperature [K]: 4000
CRI: 80
Wavelength [Nm]: /
MacAdam Step: 3

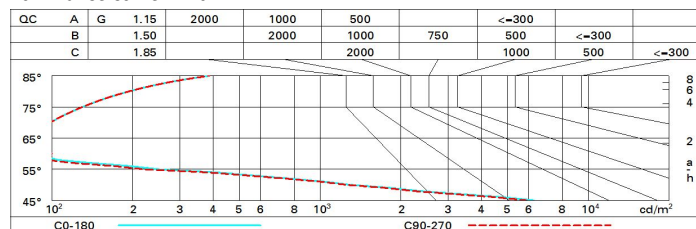
Polar



Utilisation factors

| R | 77 | 75 | 73 | 71 | 55 | 53 | 33 | 00 | DRR |
|------|----|----|----|----|----|----|----|----|-----|
| K0.8 | 77 | 72 | 69 | 66 | 71 | 68 | 68 | 64 | 73 |
| 1.0 | 81 | 76 | 73 | 71 | 75 | 73 | 72 | 69 | 79 |
| 1.5 | 86 | 82 | 80 | 78 | 81 | 79 | 78 | 75 | 86 |
| 2.0 | 89 | 86 | 84 | 83 | 85 | 83 | 82 | 80 | 91 |
| 2.5 | 90 | 89 | 87 | 86 | 87 | 86 | 85 | 82 | 94 |
| 3.0 | 92 | 90 | 89 | 88 | 89 | 88 | 87 | 84 | 96 |
| 4.0 | 93 | 92 | 91 | 90 | 90 | 89 | 88 | 86 | 98 |
| 5.0 | 93 | 93 | 92 | 91 | 91 | 90 | 89 | 87 | 99 |

Luminance curve limit



UGR diagram

| Corrected UGR values (at 2000 lm bare lamp luminous flux) | | | | | | | | | | | |
|--|-----|---------------------|-------------|------|------|------|-------------------|------|------|------|------|
| Reflect.: ceiling/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 | 19.2 | 19.9 | 19.5 | 20.1 | 20.3 | 19.2 | 19.9 | 19.5 | 20.1 | 20.3 |
| | 3H | 19.1 | 19.7 | 19.4 | 19.9 | 20.2 | 19.1 | 19.7 | 19.4 | 19.9 | 20.2 |
| | 4H | 19.0 | 19.6 | 19.4 | 19.9 | 20.2 | 19.0 | 19.5 | 19.4 | 19.8 | 20.1 |
| | 6H | 19.0 | 19.4 | 19.3 | 19.8 | 20.1 | 18.9 | 19.4 | 19.3 | 19.7 | 20.1 |
| | 8H | 18.9 | 19.4 | 19.3 | 19.7 | 20.1 | 18.9 | 19.4 | 19.3 | 19.7 | 20.0 |
| | 12H | 18.9 | 19.3 | 19.3 | 19.7 | 20.0 | 18.9 | 19.3 | 19.2 | 19.7 | 20.0 |
| 4H | 2H | 19.0 | 19.6 | 19.4 | 19.9 | 20.2 | 19.0 | 19.5 | 19.4 | 19.8 | 20.1 |
| | 3H | 18.9 | 19.3 | 19.3 | 19.7 | 20.0 | 18.9 | 19.3 | 19.2 | 19.7 | 20.0 |
| | 4H | 18.8 | 19.2 | 19.2 | 19.5 | 19.9 | 18.8 | 19.2 | 19.2 | 19.5 | 19.9 |
| | 6H | 18.7 | 19.0 | 19.1 | 19.4 | 19.9 | 18.7 | 19.0 | 19.1 | 19.4 | 19.8 |
| | 8H | 18.7 | 19.0 | 19.1 | 19.4 | 19.8 | 18.6 | 19.0 | 19.1 | 19.4 | 19.8 |
| | 12H | 18.6 | 18.9 | 19.1 | 19.3 | 19.8 | 18.6 | 18.9 | 19.0 | 19.3 | 19.8 |
| 8H | 4H | 18.7 | 19.0 | 19.1 | 19.4 | 19.8 | 18.6 | 19.0 | 19.1 | 19.4 | 19.8 |
| | 6H | 18.6 | 18.8 | 19.0 | 19.3 | 19.7 | 18.6 | 18.8 | 19.0 | 19.3 | 19.7 |
| | 8H | 18.5 | 18.7 | 19.0 | 19.2 | 19.7 | 18.5 | 18.7 | 19.0 | 19.2 | 19.7 |
| | 12H | 18.5 | 18.7 | 19.0 | 19.1 | 19.7 | 18.4 | 18.6 | 18.9 | 19.1 | 19.6 |
| 12H | 4H | 18.6 | 18.9 | 19.1 | 19.3 | 19.8 | 18.6 | 18.9 | 19.1 | 19.3 | 19.8 |
| | 6H | 18.5 | 18.7 | 19.0 | 19.2 | 19.7 | 18.5 | 18.7 | 19.0 | 19.2 | 19.7 |
| | 8H | 18.5 | 18.7 | 19.0 | 19.1 | 19.7 | 18.4 | 18.6 | 19.0 | 19.1 | 19.6 |
| Variations with the observer position at spacing: | | | | | | | | | | | |
| S = | | 1.0H | 4.5 / -23.0 | | | | 4.6 / -23.1 | | | | |
| | | 1.5H | 6.1 / -24.6 | | | | 6.2 / -24.6 | | | | |
| | | 2.0H | 8.1 / -24.8 | | | | 8.2 / -24.8 | | | | |