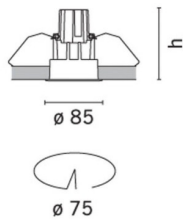


Last information update: September 2023

**Product configuration: MA40**

MA40: medium body, Frame installation 6x1,5W LED neutral white medium

**Product code**MA40: medium body, Frame installation 6x1,5W LED neutral white medium **Attention! Code no longer in production****Technical description**

Fixed round recessed luminaire designed to use a 6X1,5W LED lamp in neutral white (4200°K) with medium optic. Recessed item with rim consisting of a single die-cast aluminium body. The upper part is a heat sink which helps to carry away the heat given off by the lamp. LED optics with a single lens made of thermoplastic material. Lamp set back 40 mm for greater visual comfort.

**Installation**

Recessed using springs which allow easy installation in false ceilings with thickness ranging from 1 mm to 30 mm

**Colour**

White (01) | Grey (15)

**Mounting**

wall recessed|ceiling recessed

**Wiring**

product complete with electronic components

**Notes**

the luminaire has an IP65 protection rating without the installation of any accessory.

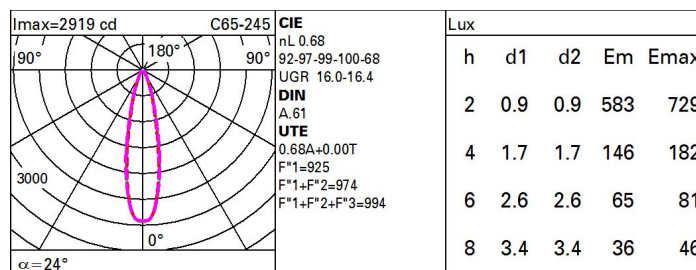
Complies with EN60598-1 and pertinent regulations



IP65

**Technical data**

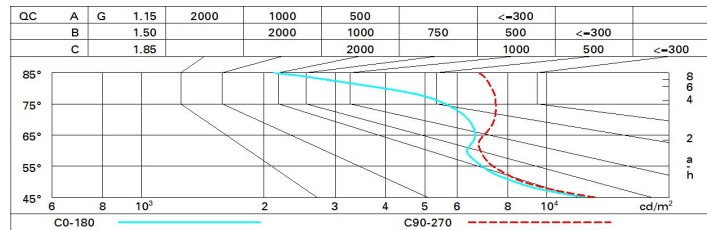
|  |      |                                       |                                 |
|--|------|---------------------------------------|---------------------------------|
| lm system:   | 748  | CRI (minimum):                        | 80                              |
| W system:  | 10   | Colour temperature [K]:               | 4000                            |
| lm source:   | 1100 | Life Time LED 1:                      | > 50,000h - L80 - B10 (Ta 25°C) |
| W source:  | 8.7  | Ballast losses [W]:                   | 1.3                             |
| Luminous efficiency (lm/W, real value):            | 74.8 | 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]: | 0    | ZVEI Code:                            | LED                             |
| Light Output Ratio (L.O.R.) [%]:                   | 68   | Number of optical assemblies:         | 1                               |
| Beam angle [°]:                                    | 24°  |                                       |                                 |

**Polar**

# Utilisation factors

| R    | 77 | 75 | 73 | 71 | 55 | 53 | 33 | 00 | DRR |
|------|----|----|----|----|----|----|----|----|-----|
| K0.8 | 59 | 55 | 53 | 51 | 55 | 52 | 52 | 50 | 73  |
| 1.0  | 62 | 59 | 56 | 54 | 58 | 56 | 55 | 53 | 78  |
| 1.5  | 66 | 63 | 61 | 59 | 62 | 61 | 60 | 58 | 85  |
| 2.0  | 68 | 66 | 65 | 63 | 65 | 64 | 63 | 61 | 90  |
| 2.5  | 70 | 68 | 67 | 66 | 67 | 66 | 65 | 63 | 93  |
| 3.0  | 71 | 69 | 68 | 68 | 68 | 67 | 67 | 65 | 95  |
| 4.0  | 72 | 71 | 70 | 69 | 69 | 69 | 68 | 66 | 97  |
| 5.0  | 72 | 71 | 71 | 70 | 70 | 70 | 69 | 67 | 98  |

# Luminance curve limit



# UGR diagram

| Corrected UGR values (at 1100 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  | 14.1                | 15.9 | 14.4 | 10.2 | 10.5 | 14.1              | 15.9 | 14.4 | 10.2 | 10.5 |
|  | 3H  | 14.9                | 16.4 | 15.3 | 10.7 | 17.0 | 14.3              | 15.7 | 14.7 | 10.0 | 10.4 |
|  | 4H  | 15.3                | 16.5 | 15.7 | 10.9 | 17.2 | 14.4              | 15.6 | 14.8 | 15.9 | 10.3 |
|  | 6H  | 15.5                | 16.6 | 15.9 | 10.9 | 17.3 | 14.4              | 15.5 | 14.8 | 15.8 | 10.2 |
|  | 8H  | 15.6                | 16.6 | 16.0 | 10.9 | 17.3 | 14.4              | 15.4 | 14.8 | 15.8 | 10.2 |
|  | 12H | 15.5                | 16.6 | 15.9 | 10.9 | 17.3 | 14.4              | 15.4 | 14.8 | 15.8 | 10.1 |
| 4H   | 2H  | 14.4                | 15.6 | 14.8 | 15.9 | 10.3 | 15.8              | 17.0 | 10.1 | 17.3 | 17.7 |
|  | 3H  | 15.5                | 16.5 | 15.9 | 10.9 | 17.3 | 16.3              | 17.3 | 10.7 | 17.7 | 18.0 |
|  | 4H  | 16.0                | 17.0 | 16.4 | 17.4 | 17.8 | 16.5              | 17.5 | 10.9 | 17.9 | 18.3 |
|  | 6H  | 16.1                | 17.6 | 16.5 | 18.0 | 18.5 | 16.5              | 18.0 | 10.9 | 18.4 | 18.9 |
|  | 8H  | 16.0                | 17.7 | 16.5 | 18.2 | 18.6 | 16.4              | 18.1 | 10.9 | 18.6 | 19.1 |
|  | 12H | 16.0                | 17.7 | 16.5 | 18.2 | 18.7 | 16.4              | 18.1 | 10.9 | 18.6 | 19.1 |
| 8H   | 4H  | 15.9                | 17.6 | 16.4 | 18.1 | 18.6 | 17.1              | 18.8 | 17.6 | 19.3 | 19.8 |
|  | 6H  | 16.3                | 17.9 | 16.8 | 18.4 | 18.9 | 17.5              | 19.1 | 18.0 | 19.6 | 20.1 |
|  | 8H  | 16.4                | 17.9 | 17.0 | 18.4 | 18.9 | 17.6              | 19.0 | 18.1 | 19.5 | 20.1 |
|  | 12H | 16.6                | 17.6 | 17.2 | 18.1 | 18.6 | 17.8              | 18.8 | 18.4 | 19.3 | 19.9 |
| 12H  | 4H  | 15.9                | 17.7 | 16.4 | 18.1 | 18.7 | 17.3              | 19.0 | 17.8 | 19.5 | 20.0 |
|  | 6H  | 16.4                | 17.9 | 16.9 | 18.3 | 18.9 | 17.7              | 19.1 | 18.2 | 19.6 | 20.2 |
|  | 8H  | 16.7                | 17.7 | 17.2 | 18.2 | 18.7 | 18.1              | 19.0 | 18.6 | 19.5 | 20.1 |
| Variations with the observer position at spacing:                |     |                     |      |      |      |      |                   |      |      |      |      |
| S =  |     | 1.0H                |      |      |      |      | 0.9 / -0.7        |      |      |      |      |
|  |     | 1.5H                |      |      |      |      | 2.1 / -1.0        |      |      |      |      |
|  |     | 2.0H                |      |      |      |      | 3.3 / -1.1        |      |      |      |      |
|  |     |                     |      |      |      |      | 0.6 / -0.4        |      |      |      |      |
|  |     |                     |      |      |      |      | 1.5 / -0.7        |      |      |      |      |
|  |     |                     |      |      |      |      | 2.4 / -0.7        |      |      |      |      |