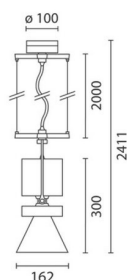


Last information update: May 2024

**Product configuration: MQ02**

MQ02: Large body spotlight - warm white - electronic ballast - wide flood optic

**Product code**MQ02: Large body spotlight - warm white - electronic ballast - wide flood optic **Attention! Code no longer in production****Technical description**

Pendant luminaire equipped with a multiphase adapter made of die-cast aluminium and thermoplastic material. The pendant system consists of steel cables L=2000 that provide a simple mechanical anchoring system. Having been rotated and tilted, the luminaire can be locked mechanically in position to ensure efficient light aiming (even during maintenance operations). Luminaire for high output LED lamp with monochrome emission in a warm white colour tone (3000K). Electronic ballast. Equipped with an accessory holding ring designed to contain a flat accessory. Another external component can also be applied, selected from directional flaps and an asymmetric screen. All external accessories rotate 360° about the spotlight longitudinal axis.

**Installation**

Mounted on an electrified track with a multiphase adapter.

**Colour**

White (01) | Grey / Black (74)

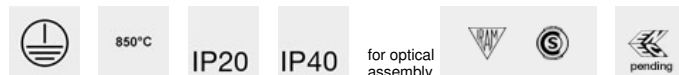
**Mounting**

ceiling pendant

**Wiring**

Electronic components housed in the luminaire.

Complies with EN60598-1 and pertinent regulations

**Technical data**

|  |      |                                       |                               |
|--|------|---------------------------------------|-------------------------------|
| lm system:   | 3922 | CRI (minimum):                        | 80                            |
| W system:  | 42   | Colour temperature [K]:               | 3000                          |
| lm source:   | 5100 | MacAdam Step:                         | 3                             |
| W source:  | 38   | Life Time LED 1:                      | 50,000h - L80 - B10 (Ta 25°C) |
| Luminous efficiency (lm/W, real value):            | 93.4 | 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.) [%]:                   | 77   | Number of optical assemblies:         | 1                             |
| Beam angle [°]:                                    | 44°  |                                       |                               |

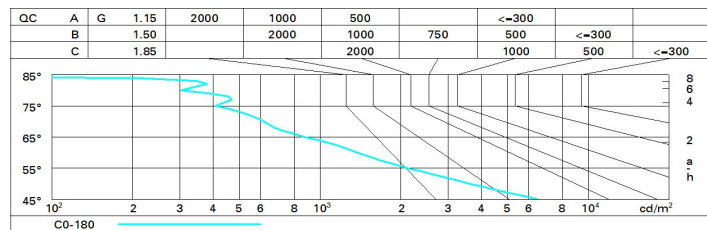
**Polar**

| Imax=7802 cd |  | CIE   |  | Lux |     |      |      |
|--------------|--|---|--|-----|-----|------|------|
|              |  |   |  | h   | d   | Em   | Emax |
|              |  | nL 0.77<br>99-100-100-100-77<br>UGR <10-10<br><b>DIN</b><br>A.61<br><b>UTE</b><br>0.77A+0.00T<br>F*1=988<br>F*1+F*2=999<br>F*1+F*2+F*3=1000<br><b>CIBSE</b><br>LG3 L<1500 cd/m² at 65°<br>UGR<10   L<1500 cd/mq @ 65° |  | 2   | 1.6 | 1587 | 1950 |
|              |  |   |  | 4   | 3.2 | 397  | 488  |
|              |  |   |  | 6   | 4.8 | 176  | 217  |
|              |  |   |  | 8   | 6.5 | 99   | 122  |

# Utilisation factors

| R    | 77 | 75 | 73 | 71 | 55 | 53 | 33 | 00 | DRR |
|------|----|----|----|----|----|----|----|----|-----|
| K0.8 | 69 | 65 | 63 | 61 | 65 | 63 | 62 | 60 | 78  |
| 1.0  | 72 | 69 | 67 | 65 | 68 | 66 | 66 | 63 | 82  |
| 1.5  | 76 | 73 | 71 | 70 | 72 | 71 | 70 | 68 | 88  |
| 2.0  | 78 | 76 | 75 | 74 | 75 | 74 | 73 | 71 | 93  |
| 2.5  | 80 | 78 | 77 | 76 | 77 | 76 | 75 | 73 | 95  |
| 3.0  | 81 | 80 | 79 | 78 | 78 | 78 | 77 | 75 | 97  |
| 4.0  | 82 | 81 | 80 | 80 | 80 | 79 | 78 | 76 | 99  |
| 5.0  | 82 | 82 | 81 | 81 | 80 | 80 | 79 | 77 | 100 |

# Luminance curve limit



# UGR diagram

| Corrected UGR values (at 5100 lm bare lamp luminous flux)                   |      |                     |      |      |      |      |                   |      |      |      |      |
|---|------|---------------------|------|------|------|------|-------------------|------|------|------|------|
| Reflect.:<br>ceiling/cav<br>walls<br>work pl.<br>Room dim<br>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<br>crosswise |      |      |      |      | viewed<br>endwise |      |      |      |      |
| 2H  | 2H   | 10.4                | 11.0 | 10.7 | 11.2 | 11.5 | 10.4              | 11.0 | 10.7 | 11.2 | 11.5 |
|   | 3H   | 10.3                | 10.8 | 10.6 | 11.1 | 11.4 | 10.3              | 10.8 | 10.6 | 11.1 | 11.4 |
|   | 4H   | 10.2                | 10.7 | 10.5 | 11.0 | 11.3 | 10.2              | 10.7 | 10.5 | 11.0 | 11.3 |
|   | 6H   | 10.1                | 10.6 | 10.5 | 10.9 | 11.2 | 10.1              | 10.6 | 10.5 | 10.9 | 11.2 |
|   | 8H   | 10.1                | 10.5 | 10.5 | 10.9 | 11.2 | 10.1              | 10.5 | 10.5 | 10.9 | 11.2 |
|   | 12H  | 10.1                | 10.5 | 10.4 | 10.8 | 11.2 | 10.1              | 10.5 | 10.4 | 10.8 | 11.2 |
| 4H  | 2H   | 10.2                | 10.7 | 10.5 | 11.0 | 11.3 | 10.2              | 10.7 | 10.5 | 11.0 | 11.3 |
|   | 3H   | 10.1                | 10.5 | 10.5 | 10.8 | 11.2 | 10.1              | 10.5 | 10.5 | 10.8 | 11.2 |
|   | 4H   | 10.0                | 10.4 | 10.4 | 10.7 | 11.1 | 10.0              | 10.4 | 10.4 | 10.7 | 11.1 |
|   | 6H   | 9.9                 | 10.3 | 10.4 | 10.6 | 11.1 | 9.9               | 10.2 | 10.3 | 10.6 | 11.1 |
|   | 8H   | 9.9                 | 10.2 | 10.3 | 10.6 | 11.0 | 9.9               | 10.2 | 10.3 | 10.6 | 11.0 |
|   | 12H  | 9.8                 | 10.1 | 10.3 | 10.5 | 11.0 | 9.8               | 10.1 | 10.3 | 10.5 | 11.0 |
| 8H  | 4H   | 9.9                 | 10.2 | 10.3 | 10.6 | 11.0 | 9.9               | 10.2 | 10.3 | 10.6 | 11.0 |
|   | 6H   | 9.8                 | 10.0 | 10.3 | 10.5 | 11.0 | 9.8               | 10.0 | 10.3 | 10.5 | 11.0 |
|   | 8H   | 9.7                 | 10.0 | 10.2 | 10.4 | 10.9 | 9.7               | 10.0 | 10.2 | 10.4 | 10.9 |
|   | 12H  | 9.7                 | 9.9  | 10.2 | 10.4 | 10.9 | 9.7               | 9.9  | 10.2 | 10.4 | 10.9 |
| 12H   | 4H   | 9.8                 | 10.1 | 10.3 | 10.5 | 11.0 | 9.8               | 10.1 | 10.3 | 10.5 | 11.0 |
|   | 6H   | 9.7                 | 10.0 | 10.2 | 10.4 | 10.9 | 9.7               | 10.0 | 10.2 | 10.4 | 10.9 |
|   | 8H   | 9.7                 | 9.9  | 10.2 | 10.4 | 10.9 | 9.7               | 9.9  | 10.2 | 10.4 | 10.9 |
| Variations with the observer position at spacing:                           |      |                     |      |      |      |      |                   |      |      |      |      |
| S =   | 1.0H | 5.4 / -8.9          |      |      |      |      | 5.4 / -8.9        |      |      |      |      |
|   | 1.5H | 8.1 / -11.2         |      |      |      |      | 8.1 / -11.2       |      |      |      |      |
|   | 2.0H | 10.1 / -12.7        |      |      |      |      | 10.1 / -12.7      |      |      |      |      |