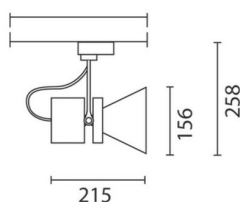
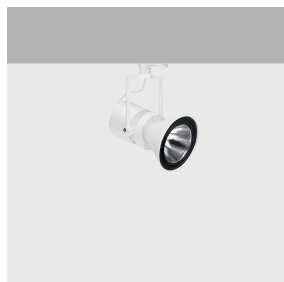


Last information update: May 2024

**Product configuration: MR27**

MR27: Medium body spotlight - warm white - electronic ballast and dimmer - wide flood optic

**Product code**MR27: Medium body spotlight - warm white - electronic ballast and dimmer - wide flood optic **Attention! Code no longer in production****Technical description**

Adjustable spotlight with adapter for installation on mains electrified track for high output LED lamp with monochrome emission in a warm white (3000K) colour. Dimmable electronic ballast. The luminaire is made of die-cast aluminium and thermoplastic material, and allows 360° rotation about the vertical axis and 90° tilting relative to the horizontal plane. The luminaire has mechanical aiming locks and graduated scales for both movements, operated using the same tool on two screws, one on the optic compartment and one on the adapter for the track. Spotlight equipped with 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**

On an electrified track

**Colour**

White (01) | Grey / Black (74)

**Mounting**

three circuit track

**Wiring**

The dimmable electronic components are housed in the luminaire.

Complies with EN60598-1 and pertinent regulations

**Technical data**

|  |      |                                       |                               |
|--|------|---------------------------------------|-------------------------------|
| Im system:   | 2406 | CRI (minimum):                        | 90                            |
| W system:  | 28.9 | Colour temperature [K]:               | 3000                          |
| Im source:   | 3300 | MacAdam Step:                         | 2                             |
| W source:  | 25   | Life Time LED 1:                      | 50,000h - L80 - B10 (Ta 25°C) |
| Luminous efficiency (Im/W, real value):            | 83.3 | 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.) [%]:                   | 73   | Number of optical assemblies:         | 1                             |
| Beam angle [°]:                                    | 48°  | Control:                              | Completo di dimmer            |

**Polar**

| Imax=4006 cd |  | CIE                           |  | Lux |     |     |                  |
|--------------|--|-------------------------------|--|-----|-----|-----|------------------|
|              |  |                               |  | h   | d   | Em  | E <sub>max</sub> |
| 90°          |  | nL 0.73                       |  | 2   | 1.8 | 787 | 1001             |
| 180°         |  | 99-100-100-100-73             |  | 4   | 3.6 | 197 | 250              |
|              |  | UGR 14.3-14.3                 |  | 6   | 5.3 | 87  | 111              |
|              |  | DIN A.61                      |  | 8   | 7.1 | 49  | 63               |
|              |  | UTE 0.73A+0.00T               |  |     |     |     |                  |
|              |  | F*1=989                       |  |     |     |     |                  |
|              |  | F*1+F*2=998                   |  |     |     |     |                  |
|              |  | F*1+F*2+F*3=1000              |  |     |     |     |                  |
|              |  | CIBSE LG3 L<1500 cd/m² at 65° |  |     |     |     |                  |
|              |  | UGR<16   L<1500 cd/mq @65°    |  |     |     |     |                  |
| α=48°        |  |                               |  |     |     |     |                  |

| R    | 77 | 75 | 73 | 71 | 55 | 53 | 33 | 00 | DDR |
|------|----|----|----|----|----|----|----|----|-----|
| K0.8 | 66 | 62 | 60 | 58 | 62 | 59 | 59 | 57 | 78  |
| 1.0  | 68 | 65 | 63 | 61 | 65 | 63 | 62 | 60 | 82  |
| 1.5  | 72 | 70 | 68 | 66 | 69 | 67 | 66 | 64 | 88  |
| 2.0  | 74 | 73 | 71 | 70 | 71 | 70 | 70 | 68 | 93  |
| 2.5  | 76 | 74 | 73 | 72 | 73 | 72 | 72 | 70 | 95  |
| 3.0  | 77 | 76 | 75 | 74 | 74 | 74 | 73 | 71 | 97  |
| 4.0  | 77 | 77 | 76 | 76 | 76 | 75 | 74 | 72 | 99  |
| 5.0  | 78 | 77 | 77 | 77 | 76 | 76 | 75 | 73 | 100 |

| QC | A | G | 1.15 | 2000 | 1000 | 500  | 750 | <=300 | 500 | <=300 | 500 | <=300 |
|----|---|---|------|------|------|------|-----|-------|-----|-------|-----|-------|
|    | B |   | 1.50 |      | 2000 | 1000 |     |       |     |       |     |       |
|    | C |   | 1.85 |      |      | 2000 |     |       |     |       |     |       |

| Corrected UGR values (at 3300 lm bare lamp luminous flux) |          |                     |      |      |      |      |                   |      |      |      |      |
|---|----------|---------------------|------|------|------|------|-------------------|------|------|------|------|
| Reflect.:   |          |                     |      |      |      |      |                   |      |      |      |      |
| ceiling   | walls    | 0.70                | 0.70 | 0.50 | 0.50 | 0.30 | 0.70              | 0.70 | 0.50 | 0.50 | 0.30 |
| work pl.  | Room dim | 0.50                | 0.30 | 0.50 | 0.30 | 0.30 | 0.50              | 0.30 | 0.50 | 0.30 | 0.30 |
| x   | y        | 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       | 14.9                | 15.4 | 15.1 | 15.6 | 15.9 | 14.9              | 15.4 | 15.1 | 15.6 | 15.9 |
|   | 3H       | 14.7                | 15.2 | 15.0 | 15.5 | 15.8 | 14.7              | 15.2 | 15.0 | 15.5 | 15.8 |
|   | 4H       | 14.7                | 15.1 | 15.0 | 15.4 | 15.7 | 14.7              | 15.1 | 15.0 | 15.4 | 15.7 |
|   | 6H       | 14.6                | 15.0 | 14.9 | 15.3 | 15.6 | 14.6              | 15.0 | 14.9 | 15.3 | 15.6 |
|   | 8H       | 14.6                | 15.0 | 14.9 | 15.3 | 15.6 | 14.5              | 15.0 | 14.9 | 15.3 | 15.6 |
|   | 12H      | 14.5                | 14.9 | 14.9 | 15.2 | 15.6 | 14.5              | 14.9 | 14.9 | 15.2 | 15.6 |
| 4H  | 2H       | 14.7                | 15.1 | 15.0 | 15.4 | 15.7 | 14.7              | 15.1 | 15.0 | 15.4 | 15.7 |
|   | 3H       | 14.5                | 14.9 | 14.9 | 15.2 | 15.6 | 14.5              | 14.9 | 14.9 | 15.2 | 15.6 |
|   | 4H       | 14.4                | 14.8 | 14.8 | 15.1 | 15.5 | 14.4              | 14.8 | 14.8 | 15.1 | 15.5 |
|   | 6H       | 14.3                | 14.6 | 14.8 | 15.0 | 15.5 | 14.3              | 14.6 | 14.8 | 15.0 | 15.5 |
|   | 8H       | 14.3                | 14.6 | 14.7 | 15.0 | 15.4 | 14.3              | 14.6 | 14.7 | 15.0 | 15.4 |
|   | 12H      | 14.2                | 14.5 | 14.7 | 14.9 | 15.4 | 14.2              | 14.5 | 14.7 | 14.9 | 15.4 |
| 8H  | 4H       | 14.3                | 14.6 | 14.7 | 15.0 | 15.4 | 14.3              | 14.6 | 14.7 | 15.0 | 15.4 |
|   | 6H       | 14.2                | 14.4 | 14.7 | 14.9 | 15.4 | 14.2              | 14.4 | 14.7 | 14.9 | 15.4 |
|   | 8H       | 14.1                | 14.3 | 14.6 | 14.8 | 15.3 | 14.1              | 14.3 | 14.6 | 14.8 | 15.3 |
|   | 12H      | 14.1                | 14.3 | 14.6 | 14.8 | 15.3 | 14.1              | 14.3 | 14.6 | 14.8 | 15.3 |
| 12H   | 4H       | 14.2                | 14.5 | 14.7 | 14.9 | 15.4 | 14.2              | 14.5 | 14.7 | 14.9 | 15.4 |
|   | 6H       | 14.1                | 14.3 | 14.6 | 14.8 | 15.3 | 14.1              | 14.3 | 14.6 | 14.8 | 15.3 |
|   | 8H       | 14.1                | 14.3 | 14.6 | 14.8 | 15.3 | 14.1              | 14.3 | 14.6 | 14.8 | 15.3 |

Variations with the observer position at spacing:

|     |      |              |              |
|-----|------|--------------|--------------|
| S = | 1.0H | 6.1 / -14.2  | 6.1 / -14.2  |
|     | 1.5H | 8.9 / -15.7  | 8.9 / -15.7  |
|     | 2.0H | 10.9 / -16.4 | 10.9 / -16.4 |