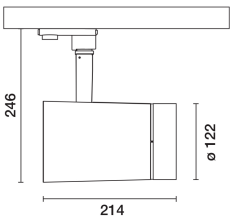


Last information update: November 2024

**Product configuration: RR40**

RR40: Dimmable electronic Ø122mm body - Wide Flood optic - Neutral White



**Product code**

RR40: Dimmable electronic Ø122mm body - Wide Flood optic - Neutral White

**Technical description**

Adjustable spotlight with adapter for installation on an electrified track or base. High chromatic yield LED lamp with Neutral White (4000K) tone and OptiBeam Lens optic system and Wide Flood optic. Dimmable electronic power supply integrated in product with Tool Free manual dimmer. Luminaire made of die-cast aluminium and thermoplastic material that allows a 360° rotation about the vertical axis and 90° tilting relative to the horizontal plane with mechanical aiming locks. Passive heat dissipation. Spotlight with "Push&Go" system designed to hold up to two flat accessories at the same time. The same system can also be used to apply another external component selected from the directional flaps and anti-glare screen. All internal accessories rotate 360° about the spotlight longitudinal axis.

**Installation**

Installation on an electrified track or base.

**Colour**

White (01) | Black (04)

**Weight (Kg)**

2.13

**Mounting**

wall surface|ceiling surface

**Wiring**

Electronic components integrated in product

Complies with EN60598-1 and pertinent regulations



**Technical data**

|  |      |  |  |
|--|------|--|--|
| Im system:   | 2565 | Life Time LED 1:   | > 50,000h - L90 - B10 (Ta 25°C)  |
| W system:  | 29.7 | Lamp code:   | LED  |
| Im source:   | 3420 | Number of lamps for optical assembly:                                    | 1  |
| W source:  | 26   | ZVEI Code:   | LED  |
| Luminous efficiency (Im/W, real value):            | 86.4 | Number of optical assemblies:  | 1  |
| Im in emergency mode:                              | -    | Power factor:  | See installation instructions  |
| Total light flux at or above an angle of 90° [Lm]: | 0    | Inrush current:  | 5 A / 50 µs  |
| Light Output Ratio (L.O.R.) [%]:                   | 75   | Maximum number of luminaires of this type per miniature circuit breaker: | B10A: 31 luminaires<br>B16A: 50 luminaires<br>C10A: 52 luminaires<br>C16A: 85 luminaires |
| Beam angle [°]:                                    | 46°  | Minimum dimming %:   | 1  |
| CRI (minimum):                                     | 90   | Overvoltage protection:  | 4kV Common mode & 2kV Differential mode  |
| Colour temperature [K]:                            | 4000 | Control:   | Completo di dimmer   |
| MacAdam Step:                                      | 2    |  |  |

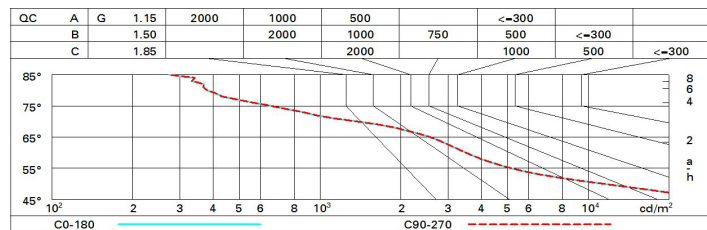
**Polar**

|                           |   |     |     |      |            |  |  |  |
|---------------------------|---|-----|-----|------|------------|--|--|--|
| <br>Imax=3960 cd<br>α=46° | <b>CIE</b><br>nL 0.75<br>94-100-100-100-75<br>UGR 17.8-17.8<br><b>DIN</b><br>A.61<br><b>UTE</b><br>0.75A+0.00T<br>F*1=944<br>F*1+F*2=996<br>F*1+F*2+F*3=1000<br><b>CIBSE</b><br>LG3 L<3000 cd/m² at 65°<br>UGR<19   L<3000 cd/mq @65° |     |     |      | <b>Lux</b> |  |  |  |
|                           | h   | d   | Em  | Emax |            |  |  |  |
|                           | 2   | 1.7 | 759 | 990  |            |  |  |  |
|                           | 4   | 3.4 | 190 | 248  |            |  |  |  |
|                           | 6   | 5.1 | 84  | 110  |            |  |  |  |
|                           | 8   | 6.9 | 47  | 62   |            |  |  |  |

# Utilisation factors

| R    | 77 | 75 | 73 | 71 | 55 | 53 | 33 | 00 | DRR |
|------|----|----|----|----|----|----|----|----|-----|
| K0.8 | 66 | 62 | 59 | 57 | 61 | 59 | 58 | 56 | 74  |
| 1.0  | 69 | 66 | 63 | 61 | 65 | 62 | 62 | 60 | 79  |
| 1.5  | 73 | 71 | 68 | 67 | 70 | 68 | 67 | 65 | 86  |
| 2.0  | 76 | 74 | 72 | 71 | 73 | 71 | 70 | 68 | 91  |
| 2.5  | 77 | 76 | 75 | 73 | 75 | 73 | 73 | 71 | 94  |
| 3.0  | 78 | 77 | 76 | 75 | 76 | 75 | 74 | 72 | 96  |
| 4.0  | 79 | 78 | 78 | 77 | 77 | 77 | 75 | 73 | 98  |
| 5.0  | 80 | 79 | 79 | 78 | 78 | 77 | 76 | 74 | 99  |

# Luminance curve limit



# UGR diagram

| Corrected UGR values (at 3420 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   | 18.3                | 18.9 | 18.6 | 19.2 | 19.4 | 18.3              | 18.9 | 18.6 | 19.2 | 19.4 |
|  | 3H   | 18.2                | 18.7 | 18.5 | 19.0 | 19.3 | 18.2              | 18.7 | 18.5 | 19.0 | 19.3 |
|  | 4H   | 18.1                | 18.6 | 18.4 | 18.9 | 19.2 | 18.1              | 18.6 | 18.4 | 18.9 | 19.2 |
|  | 6H   | 18.0                | 18.5 | 18.4 | 18.8 | 19.2 | 18.0              | 18.5 | 18.4 | 18.8 | 19.2 |
|  | 8H   | 18.0                | 18.5 | 18.4 | 18.8 | 19.1 | 18.0              | 18.5 | 18.4 | 18.8 | 19.1 |
|  | 12H  | 18.0                | 18.4 | 18.3 | 18.7 | 19.1 | 18.0              | 18.4 | 18.3 | 18.7 | 19.1 |
| 4H   | 2H   | 18.1                | 18.6 | 18.4 | 18.9 | 19.2 | 18.1              | 18.6 | 18.4 | 18.9 | 19.2 |
|  | 3H   | 18.0                | 18.4 | 18.4 | 18.8 | 19.1 | 18.0              | 18.4 | 18.4 | 18.8 | 19.1 |
|  | 4H   | 17.9                | 18.3 | 18.3 | 18.7 | 19.0 | 17.9              | 18.3 | 18.3 | 18.7 | 19.0 |
|  | 6H   | 17.8                | 18.2 | 18.2 | 18.6 | 19.0 | 17.8              | 18.2 | 18.2 | 18.6 | 19.0 |
|  | 8H   | 17.8                | 18.1 | 18.2 | 18.5 | 18.9 | 17.8              | 18.1 | 18.2 | 18.5 | 18.9 |
|  | 12H  | 17.7                | 18.0 | 18.2 | 18.4 | 18.9 | 17.7              | 18.0 | 18.2 | 18.4 | 18.9 |
| 8H   | 4H   | 17.8                | 18.1 | 18.2 | 18.5 | 18.9 | 17.8              | 18.1 | 18.2 | 18.5 | 18.9 |
|  | 6H   | 17.7                | 17.9 | 18.1 | 18.4 | 18.9 | 17.7              | 17.9 | 18.1 | 18.4 | 18.9 |
|  | 8H   | 17.6                | 17.8 | 18.1 | 18.3 | 18.8 | 17.6              | 17.8 | 18.1 | 18.3 | 18.8 |
|  | 12H  | 17.6                | 17.8 | 18.1 | 18.2 | 18.8 | 17.6              | 17.8 | 18.1 | 18.2 | 18.8 |
| 12H  | 4H   | 17.7                | 18.0 | 18.2 | 18.4 | 18.9 | 17.7              | 18.0 | 18.2 | 18.4 | 18.9 |
|  | 6H   | 17.6                | 17.8 | 18.1 | 18.3 | 18.8 | 17.6              | 17.8 | 18.1 | 18.3 | 18.8 |
|  | 8H   | 17.6                | 17.8 | 18.1 | 18.2 | 18.8 | 17.6              | 17.8 | 18.1 | 18.2 | 18.8 |
| Variations with the observer position at spacing:                |      |                     |      |      |      |      |                   |      |      |      |      |
| S =  | 1.0H | 4.1 / -9.7          |      |      |      |      | 4.1 / -9.7        |      |      |      |      |
|  | 1.5H | 6.8 / -12.0         |      |      |      |      | 6.8 / -12.0       |      |      |      |      |
|  | 2.0H | 8.8 / -13.9         |      |      |      |      | 8.8 / -13.9       |      |      |      |      |