



# LED MR16

## 7.8MR16/PER/930/S10/Dim/EC/12V 10/1FB

Philips LED MR-16 lamps with single optic technology provide the look and color quality of traditional halogens while using a fraction of the energy. A perfect fit for spot lighting, they are compatible with most existing fixtures with MR16 GU5.3 holders and are designed as a retrofit replacement for halogen or incandescent spots.

### Product data

|                                       |                    |                                 |                            |
|---------------------------------------|--------------------|---------------------------------|----------------------------|
| <b>General Information</b>            |                    |                                 |                            |
| Cap-Base                              | GU5.3 [GU5.3]      | Power Consumption               | 7.8 W                      |
| Nominal lifetime                      | 25,000 hour(s)     | Lamp Current (Nom)              | 720 mA                     |
| Switching Cycle                       | 50,000             | Wattage Equivalent              | 35 W                       |
| Lighting Technology                   | LED                | Starting Time (Nom)             | 0.5 s                      |
| EU RoHS compliant                     | Yes                | Warm-up time to 60% light       | 0.5 s                      |
| <b>Light Technical</b>                |                    | Power Factor (Fraction)         | 0.7                        |
| Color Code                            | 930 [CCT of 3000K] | Voltage (Nom)                   | ac electronic 12 V         |
| Beam Angle (Nom)                      | 10 degree(s)       | <b>Temperature</b>              |                            |
| Luminous Flux                         | 480 lm             | T-Case Maximum (Nom)            | 93 °C                      |
| Luminous Intensity (Nom)              | 5,300 cd           | <b>Controls and Dimming</b>     |                            |
| Color Designation                     | White (WH)         | Dimmable                        | Only with specific dimmers |
| Correlated Color Temperature (Nom)    | 3000 K             | <b>Mechanical and Housing</b>   |                            |
| Luminous Efficacy (rated) (Nom)       | 61.00 lm/W         | Bulb Finish                     | Clear                      |
| Color Consistency                     | <3                 | Bulb Material                   | Aluminum                   |
| Color rendering index (CRI)           | 95                 | Bulb Shape                      | MR16 [2inch/50mm]          |
| LLMF At End Of Nominal Lifetime (Nom) | 70 %               | UL Wet/ damp/ dry location      | Damp location              |
| <b>Operating and Electrical</b>       |                    | <b>Approval and Application</b> |                            |
| Line Frequency                        | - Hz               | Suitable For Accent Lighting    | Yes                        |
| Input Frequency                       | - Hz               |                                 |                            |

LED MR16

|                       |             |
|-----------------------|-------------|
| Energy Certifications | Energy Star |
| T20 compliant         | No          |

Application Conditions

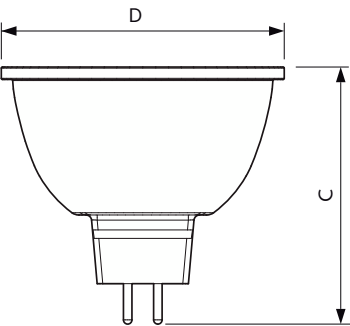
|                                     |     |
|-------------------------------------|-----|
| can it be used in closed luminaires | Yes |
|-------------------------------------|-----|

Product Data

|                    |                                       |
|--------------------|---------------------------------------|
| Order product name | 7.8MR16/PER/930/S10/Dim/EC/12V 10/1FB |
| Full product name  | 7.8MR16/PER/930/S10/Dim/EC/12V 10/1FB |

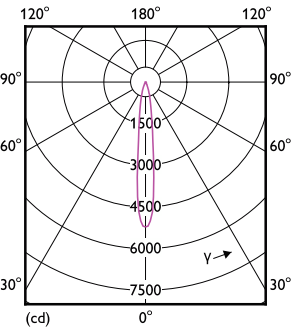
|                                 |                |
|---------------------------------|----------------|
| Order code                      | 929003080804   |
| Material Nr. (12NC)             | 929003080804   |
| Numerator - Quantity Per Pack   | 1              |
| EAN/UPC - Product/Case          | 046677573584   |
| Numerator - Packs per outer box | 10             |
| EAN/UPC - Case                  | 50046677573589 |

Dimensional drawing

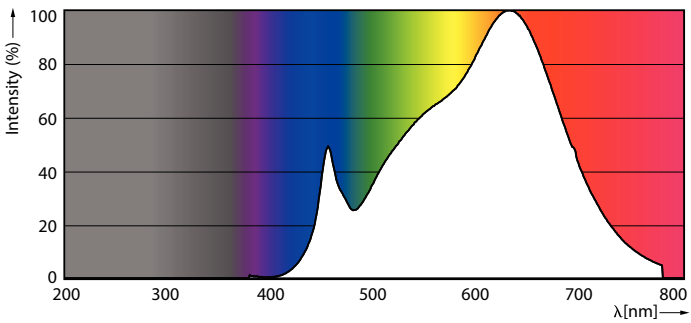


| Product                               | D       | C     |
|---------------------------------------|---------|-------|
| 7.8MR16/PER/930/S10/Dim/EC/12V 10/1FB | 50.5 mm | 46 mm |

Photometric data



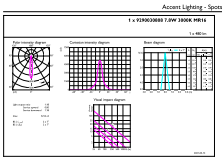
Light Distribution Diagram - 7.8MR16/PER/930/S10/Dim/EC/12V 10/1FB



Spectral Power Distribution Colour - 7.8MR16/PER/930/S10/Dim/EC/12V 10/1FB

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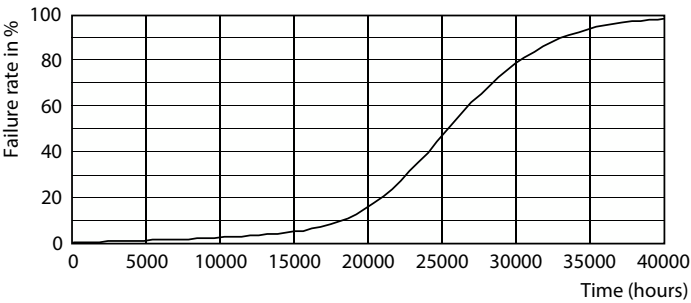
Photometric data



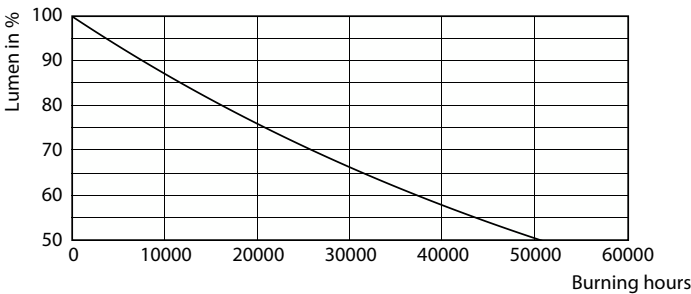
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Accent Lighting Spots - 7.8MR16/PER/930/S10/Dim/EC/12V 10/1FB

Lifetime



Life Expectancy Diagram - 7.8MR16/PER/930/S10/Dim/EC/12V 10/1FB



Lumen Maintenance Diagram - 7.8MR16/PER/930/S10/Dim/EC/12V 10/1FB

