



# **LED MR16**

## 7.8MR16/PER/930/F35/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**

| General Information                   |                    |
|---------------------------------------|--------------------|
| Cap-Base                              | GU5.3              |
| Nominal lifetime                      | 25,000 hour(s)     |
| Switching Cycle                       | 50,000             |
| Lighting Technology                   | LED                |
| EU RoHS compliant                     | Yes                |
|                                       |                    |
| Light Technical                       |                    |
| Color Code                            | 930 [CCT of 3000K] |
| Beam Angle (Nom)                      | 35 degree(s)       |
| Luminous Flux                         | 480 lm             |
| Luminous Intensity (Nom)              | 1,320 cd           |
| Color Designation                     | White (WH)         |
| Correlated Color Temperature (Nom)    | 3000 K             |
| Luminous Efficacy (rated) (Nom)       | 61.00 lm/W         |
| Color Consistency                     | <3                 |
| Color rendering index (CRI)           | 95                 |
| LLMF At End Of Nominal Lifetime (Nom) | 70 %               |
|                                       |                    |
| Operating and Electrical              |                    |
| Line Frequency                        | - Hz               |
| Input Frequency                       | - Hz               |
|                                       | •                  |

| Power Consumption            | 7.8 W                      |
|------------------------------|----------------------------|
| Lamp Current (Nom)           | 720 mA                     |
| Wattage Equivalent           | 50 W                       |
| Starting Time (Nom)          | 0.5 s                      |
| Warm-up time to 60% light    | 0.5 s                      |
| Power Factor (Fraction)      | 0.7                        |
| Voltage (Nom)                | ac electronic 12 V         |
|                              |                            |
| Temperature                  |                            |
| T-Case Maximum (Nom)         | 93 ℃                       |
|                              |                            |
| Controls and Dimming         |                            |
| Dimmable                     | Only with specific dimmers |
|                              |                            |
| Mechanical and Housing       |                            |
| Bulb Finish                  | Clear                      |
| Bulb Material                | Aluminum                   |
| Bulb Shape                   | MR16                       |
| UL Wet/ damp/ dry location   | Damp location              |
|                              |                            |
| Approval and Application     |                            |
| Suitable For Accent Lighting | Yes                        |
|                              |                            |

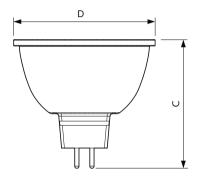
Datasheet, 2024, January 4 data subject to change

## **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/F35/Dim/EC/12V 10/1FB |  |
| Full product name                   | 7.8MR16/PER/930/F35/Dim/EC/12V 10/1FB |  |

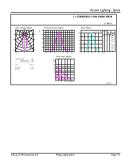
| Order code                      | 929003081404   |
|---------------------------------|----------------|
| Material Nr. (12NC)             | 929003081404   |
| Numerator - Quantity Per Pack   | 1              |
| EAN/UPC - Product/Case          | 046677573645   |
| Numerator - Packs per outer box | 10             |
| EAN/UPC - Case                  | 50046677573640 |
|                                 |                |

## Dimensional drawing

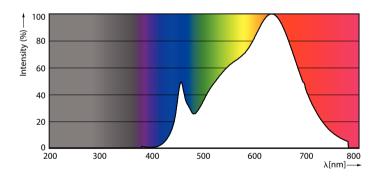


| Product                               | D       | С     |
|---------------------------------------|---------|-------|
| 7.8MR16/PER/930/F35/Dim/EC/12V 10/1FB | 50.5 mm | 46 mm |

### Photometric data



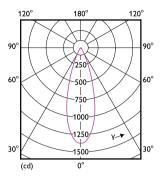
Accent Lighting Spots - 7.8MR16/PER/930/F35/Dim/EC/12V 10/1FB



Spectral Power Distribution Colour - 7.8MR16/PER/930/F35/Dim/EC/12V 10/1FB

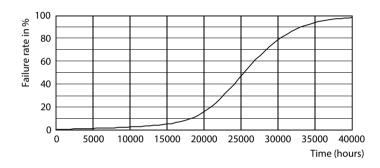
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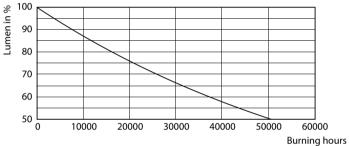
#### Photometric data



Light Distribution Diagram - 7.8MR16/PER/930/F35/Dim/EC/12V 10/1FB

#### Lifetime





Life Expectancy Diagram - 7.8MR16/PER/930/F35/Dim/EC/12V 10/1FB

Lumen Maintenance Diagram - 7.8MR16/PER/930/F35/Dim/EC/12V 10/1FB



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