

# **LED MR16**

## 7.8MR16/PER/927/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**

| General Information                   |                 |
|---------------------------------------|-----------------|
| Cap-Base                              | GU5.3 [GU5.3]   |
| Nominal lifetime                      | 25,000 hour(s)  |
| Switching Cycle                       | 50,000          |
| Lighting Technology                   | LED             |
| EU RoHS compliant                     | Yes             |
|                                       |                 |
| Light Technical                       |                 |
| Color Code                            | 927             |
| Beam Angle (Nom)                      | 10 degree(s)    |
| Luminous Flux                         | 480 lm          |
| Luminous Intensity (Nom)              | 5,300 cd        |
| Color Designation                     | Warm White (WW) |
| Correlated Color Temperature (Nom)    | 2700 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)           | 880 mA             |
| Wattage Equivalent           | 35 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)         | 105 °C             |
|                              |                    |
| Controls and Dimming         |                    |
| Dimmable                     | Yes                |
|                              |                    |
| Mechanical and Housing       |                    |
| Bulb Finish                  | Clear              |
| Bulb Material                | Aluminum           |
| Bulb Shape                   | MR16 [2inch/50mm]  |
|                              |                    |
| Approval and Application     |                    |
| Suitable For Accent Lighting | Yes                |
|                              |                    |

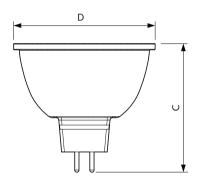
Datasheet, 2023, November 12 data subject to change

### **LED MR16**

| Energy Consumption kWh/1000 h | - kWh                                 |
|-------------------------------|---------------------------------------|
| Product Data                  |                                       |
| Order product name            | 7.8MR16/PER/927/S10/Dim/EC/12V 10/1FB |
| Full product name             | 7.8MR16/PER/927/S10/Dim/EC/12V 10/1FB |
| Order code                    | 929001872504                          |
| Material Nr. (12NC)           | 929001872504                          |

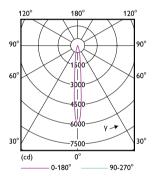
| Numerator - Quantity Per Pack   | 1              |
|---------------------------------|----------------|
| EAN/UPC - Product/Case          | 046677470135   |
| Numerator - Packs per outer box | 10             |
| EAN/UPC - Case                  | 50046677470130 |

#### Dimensional drawing

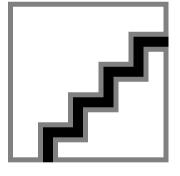


| Product                               | D     | С     |
|---------------------------------------|-------|-------|
| 7.8MR16/PER/927/S10/Dim/EC/12V 10/1FB | 51 mm | 46 mm |

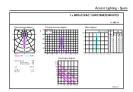
#### Photometric data



Light Distribution Diagram - 7.8MR16/PER/927/S10/Dim/EC/12V 10/1FB



Spectral Power Distribution Colour - 7.8MR16/PER/927/S10/Dim/EC/12V 10/1FB

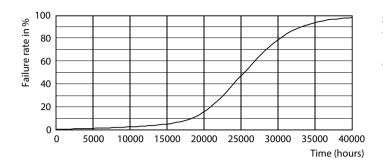


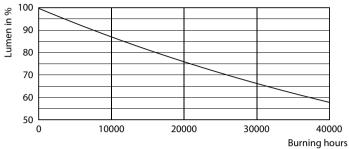
acular recorders to regular av. Page 11

Accent Lighting Spots - 7.8MR16/PER/927/S10/Dim/EC/12V 10/1FB

#### **LED MR16**

#### Lifetime





Life Expectancy Diagram - 7.8MR16/PER/927/S10/Dim/EC/12V 10/1FB

Lumen Maintenance Diagram - 7.8MR16/PER/927/S10/Dim/EC/12V 10/1FB



© 2023 Signify Holding All rights reserved. Signify does not give any representation or warranty as to the accuracy or completeness of the information included herein and shall not be liable for any action in reliance thereon. The information presented in this document is not intended as any commercial offer and does not form part of any quotation or contract, unless otherwise agreed by Signify. Philips and the Philips Shield Emblem are registered trademarks of Koninklijke Philips N.V.