



# **LED MR16**

# 7.8MR16/PER/927/F25/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                   |                     |
|---------------------------------------|---------------------|
| Base                                  | GU5.3 [ GU5.3]      |
| EU RoHS compliant                     | Yes                 |
| Nominal Lifetime (Nom)                | 25000 h             |
| Switching Cycle                       | 50000               |
|                                       |                     |
| Light technical                       |                     |
| Color Code                            | 927 [ CCT of 2700K] |
| Beam Angle (Nom)                      | 25 °                |
| Initial lumen (Nom)                   | 480 lm              |
| Luminous Intensity (Nom)              | 2330 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 (Nom)           | 95                  |
| LLMF At End Of Nominal Lifetime (Nom) | 70 %                |
|                                       |                     |
| Operating and electrical              |                     |
| Input Frequency                       | - Hz                |
| Power (Rated) (Nom)                   | 7.8 W               |
| Lamp Current (Nom)                    | 720 mA              |

| Wattage Equivalent              | 50 W                       |
|---------------------------------|----------------------------|
| Starting Time (Nom)             | 0.5 s                      |
| Warm Up Time to 60% Light (Nom) | 0.5 s                      |
| Power Factor (Nom)              | 0.7                        |
| Voltage (Nom)                   | ac electronic 12 V         |
|                                 |                            |
| Temperature                     |                            |
| T-Case Maximum (Nom)            | 199.4 °F                   |
|                                 |                            |
| Controls and dimming            |                            |
| Dimmable                        | Only with specific dimmers |
|                                 |                            |
| Mechanical and housing          |                            |
| Bulb Finish                     | Clear                      |
| Bulb Material                   | Aluminum                   |
| Bulb Shape                      | MR16 [ 2inch/50mm]         |
|                                 |                            |
| Approval and application        |                            |
| Suitable For Accent Lighting    | Yes                        |
| Energy Certifications           | Energy Star                |
|                                 |                            |
|                                 |                            |

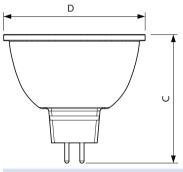
Datasheet, 2022, August 23 data subject to change

## **LED MR16**

| Product data                  |                                       |
|-------------------------------|---------------------------------------|
| Order product name            | 7.8MR16/PER/927/F25/Dim/EC/12V 10/1FB |
| EAN/UPC - Product             | 046677573607                          |
| Order code                    | 573600                                |
| Numerator - Quantity Per Pack | 1                                     |

| Numerator - Packs per outer box | 10           |
|---------------------------------|--------------|
| Material Nr. (12NC)             | 929003081004 |
| Net Weight (Piece)              | 0.115 lb     |

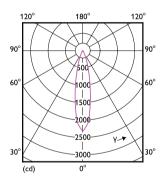
#### Dimensional drawing



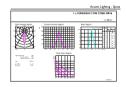
7.8MR16/PER/927/F25/Dim/EC/12V 10/1FB

# Product D C 7.8MR16/PER/927/F25/Dim/EC/12V 10/1FB 2 in 1-13/16 in

### Photometric data

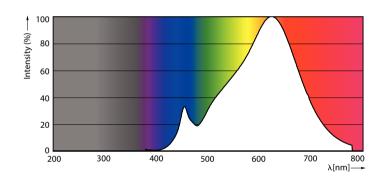


LEDspots DIM IC 7,8W MR16 GU5,3 927 25D-LDD



Calculus Phonometrics 4.5 Philips Lighting 6.V. Page: UT

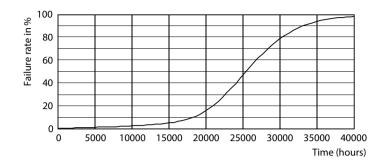
LEDspots DIM IC 7,8W MR16 GU5,3 927 25D-ADL

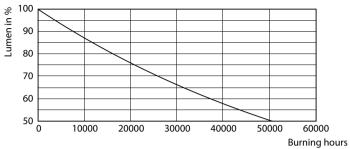


LEDspots DIM IC 7,8W MR16 GU5,3 927 10D-POC

### **LED MR16**

#### Lifetime





Life Expectancy Diagram

Lumen Maintenance Diagram



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