# **PHILIPS** Lighting



# LED MR16

# 7.8MR16/PER/940/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**

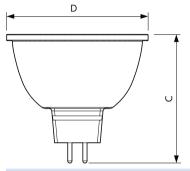
| General Information                   |                     |  |
|---------------------------------------|---------------------|--|
| Base                                  | GU5.3 [ GU5.3]      |  |
| EU RoHS compliant                     | Yes                 |  |
| Nominal Lifetime (Nom)                | 25000 h             |  |
| Switching Cycle                       | 50000X              |  |
| Technical Type                        | 7.8-35W             |  |
|                                       |                     |  |
| Light Technical                       |                     |  |
| Color Code                            | 940 [ CCT of 4000K] |  |
| Beam Angle (Nom)                      | 10 °                |  |
| Initial lumen (Nom)                   | 540 lm              |  |
| Luminous Intensity (Nom)              | 5900 cd             |  |
| Color Designation                     | Cool White (CW)     |  |
| Correlated Color Temperature (Nom)    | 4000 K              |  |
| Luminous Efficacy (rated) (Nom)       | 69.00 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)              | 880 mA                                |  |
|---------------------------------|---------------------------------------|--|
| Wattage Equivalent              | 35 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)            | 105 °C                                |  |
|                                 |                                       |  |
| Controls and Dimming            |                                       |  |
| Dimmable                        | Yes                                   |  |
|                                 |                                       |  |
| Approval and Application        |                                       |  |
| Energy Efficiency Label (EEL)   | Not applicable                        |  |
| Suitable For Accent Lighting    | Yes                                   |  |
| Energy Consumption kWh/1000 h   | - kWh                                 |  |
|                                 | - KWVII                               |  |
|                                 | - KWII                                |  |
| Product Data                    | - KVII                                |  |
| Product Data Order product name | 7.8MR16/PER/940/S10/Dim/EC/12V 10/1FB |  |
|                                 |                                       |  |
| Order product name              | 7.8MR16/PER/940/S10/Dim/EC/12V 10/1FB |  |

# LED MR16

| Numerator - Quantity Per Pack   | 1            | Net Weight (Piece) | 0.056 kg |
|---------------------------------|--------------|--------------------|----------|
| Numerator - Packs per outer box | 10           |                    |          |
| Material Nr. (12NC)             | 929001872704 |                    |          |

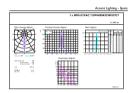
### **Dimensional drawing**

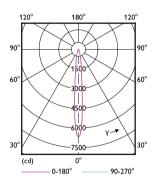


| Product                               | D C     |      |
|---------------------------------------|---------|------|
| 7.8MR16/PER/940/S10/Dim/EC/12V 10/1FB | 51 mm 4 | 6 mm |

MR16 12V 7.5-35W 490lm 10D 4000K GU5.3 D

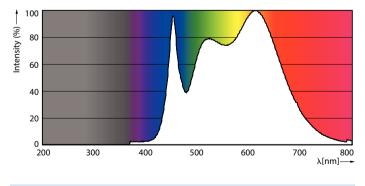
#### Photometric data





New Labrice B V

LEDspot 7.8W GU5.3 MR16 940 10D DIM

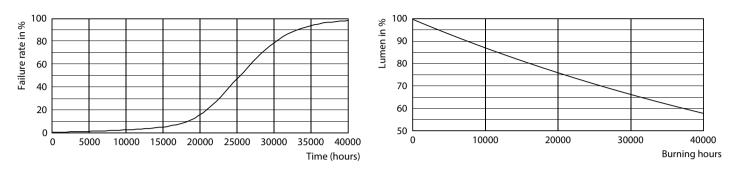


LEDspot 7.8W GU5.3 MR16 940 10D DIM

LEDspot 7.8W GU5.3 MR16 940 10D DIM

## LED MR16

#### Lifetime



LEDspot 7.8W GU5.3 MR16 927 10D DIM

LEDspot 7.8W GU5.3 MR16 927 10D DIM



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