PHILIPS Lighting



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 [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 |
| | |

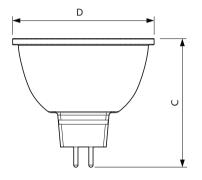
| Power Consumption | 7.8 W |
|------------------------------|--------------------|
| Lamp Current (Nom) | 880 mA |
| Wattage Equivalent | 50 W |
| Starting Time (Nom) | 0.5 s |
| Warm-up time to 60% light | 0.5 s |
| Power Factor (Fraction) | 0.7 |
| Voltage (Nom) | ac electronic 12 V |
| | |
| Temperature | |
| T-Case Maximum (Nom) | 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 |
| | |

LED MR16

| Energy Consumption kWh/1000 h | - kWh |
|-------------------------------|---------------------------------------|
| | |
| 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 | 929001873204 |
| Material Nr. (12NC) | 929001873204 |

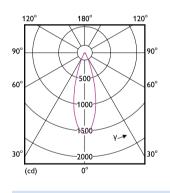
| Numerator - Quantity Per Pack | 1 |
|---------------------------------|----------------|
| EAN/UPC - Product/Case | 046677470203 |
| Numerator - Packs per outer box | 10 |
| EAN/UPC - Case | 50046677470208 |

Dimensional drawing



| Product | D | с |
|---------------------------------------|-------|-------|
| 7.8MR16/PER/930/F35/Dim/EC/12V 10/1FB | 51 mm | 46 mm |

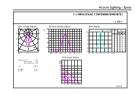
Photometric data



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

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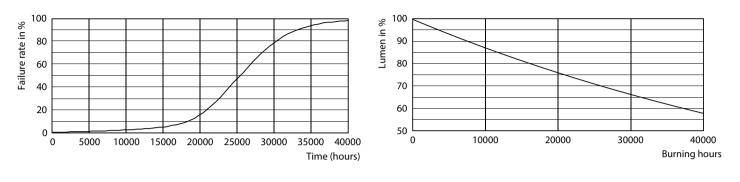
Spectral Power Distribution Colour - 7.8MR16/PER/930/F35/Dim/EC/12V 10/1FB



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

LED MR16

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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