



LED MR16

8MR16/LED/830/F35/DIM 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 | |
| | | |
| Light Technical | | |
| Color Code | 830 [CCT of 3000K] | |
| Beam Angle (Nom) | 35 degree(s) | |
| Luminous Flux | 620 lm | |
| Luminous Intensity (Nom) | 1,700 cd | |
| Luminous Efficacy (rated) (Nom) | 77.00 lm/W | |
| Color Designation | White (WH) | |
| Correlated Color Temperature (Nom) | 3000 K | |
| Color Consistency | <4 | |
| Color rendering index (CRI) | 80 | |
| LLMF At End Of Nominal Lifetime (Nom) | 70 % | |
| | | |
| Operating and Electrical | | |
| Line Frequency | - Hz | |
| Input Frequency | - Hz | |
| Power Consumption | 8 W | |

| Lamp Current (Nom) | 720 mA | |
|------------------------------|----------------------------|--|
| Wattage Equivalent | 75 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 °C | |
| | | |
| 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 | |
| Energy Certifications | Energy Star | |
| | | |

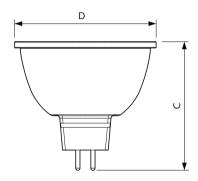
Datasheet, 2023, April 15 data subject to change

LED MR16

| EU RoHS compliant | Yes | |
|-------------------------------------|----------------------------------|--|
| T20 compliant | No | |
| | | |
| Application Conditions | | |
| can it be used in closed luminaires | Yes | |
| | | |
| Product Data | | |
| Order product name | 8MR16/LED/830/F35/DIM 12V 10/1FB | |
| Full product name | 8MR16/LED/830/F35/DIM 12V 10/1FB | |

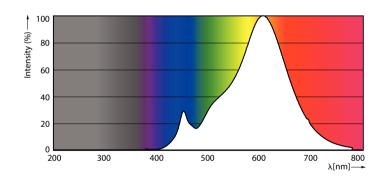
| Order code | 573949 | |
|---------------------------------|----------------|--|
| Material Nr. (12NC) | 929003072804 | |
| Numerator - Quantity Per Pack | 1 | |
| Net Weight (Piece) | 0.060 kg | |
| EAN/UPC - Product/Case | 046677573942 | |
| Numerator - Packs per outer box | 10 | |
| EAN/UPC - Case | 50046677573947 | |
| | | |

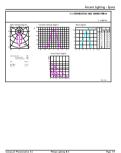
Dimensional drawing



| Product | D | С |
|----------------------------------|-------|---------|
| 8MR16/LED/830/F35/DIM 12V 10/1FB | 50 mm | 46.5 mm |

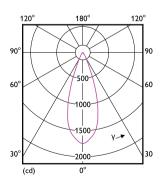
Photometric data





Spectral Power Distribution Colour - 8MR16/LED/830/F35/DIM 12V 10/1FB

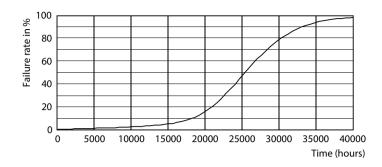


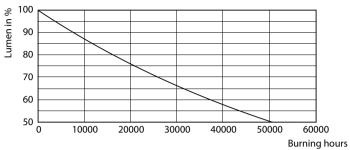


Light Distribution Diagram - 8MR16/LED/830/F35/DIM 12V 10/1FB

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Lifetime





Life Expectancy Diagram

Lumen Maintenance Diagram - 8MR16/LED/830/F35/DIM 12V 10/1FB



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