PHILIPS Lighting



LED MR16

8MR16/LED/827/F25/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 | 827 [CCT of 2700K] |
| Beam Angle (Nom) | 25 degree(s) |
| Luminous Flux | 600 lm |
| Luminous Intensity (Nom) | 3,100 cd |
| Color Designation | Warm White (WW) |
| Correlated Color Temperature (Nom) | 2700 K |
| Luminous Efficacy (rated) (Nom) | 75.00 lm/W |
| 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 |
| | |

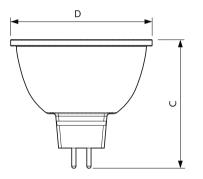
| Lamp Current (Nom) | 720 mA |
|---|--|
| Wattage Equivalent | 75 W |
| Starting Time (Nom) | 0.5 s |
| Warm-up time to 60% light | 0.5 s |
| Power Factor (Fraction) | 0.7 |
| Voltage (Nom) | ac electronic 12 V |
| | |
| Temperature | |
| T-Case Maximum (Nom) | 93 °C |
| | |
| Controls and Dimming | |
| - | |
| Dimmable | Only with specific dimmers |
| Dimmable | Only with specific dimmers |
| Dimmable Mechanical and Housing | Only with specific dimmers |
| | Only with specific dimmers |
| Mechanical and Housing | |
| Mechanical and Housing Bulb Finish | Clear |
| Mechanical and Housing Bulb Finish Bulb Material | Clear Aluminum |
| Mechanical and Housing Bulb Finish Bulb Material Bulb Shape | Clear Aluminum MR16 |
| Mechanical and Housing Bulb Finish Bulb Material Bulb Shape UL Wet/ damp/ dry location | Clear Aluminum MR16 Damp location |
| Mechanical and Housing Bulb Finish Bulb Material Bulb Shape UL Wet/ damp/ dry location | Clear Aluminum MR16 Damp location |
| Mechanical and Housing Bulb Finish Bulb Material Bulb Shape UL Wet/ damp/ dry location Net Weight (Piece) | Clear Aluminum MR16 Damp location |

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/827/F25/DIM 12V 10/1FB |
| Full product name | 8MR16/LED/827/F25/DIM 12V 10/1FB |
| | |

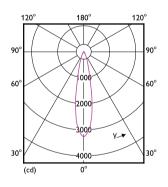
| Order code | 929003072504 |
|---------------------------------|----------------|
| Material Nr. (12NC) | 929003072504 |
| Numerator - Quantity Per Pack | 1 |
| EAN/UPC - Product/Case | 046677573904 |
| Numerator - Packs per outer box | 10 |
| EAN/UPC - Case | 50046677573909 |
| | |

Dimensional drawing

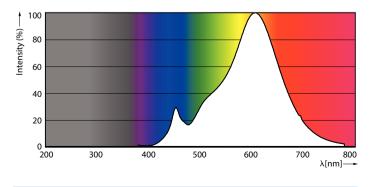


| Product | D | с |
|----------------------------------|-------|---------|
| 8MR16/LED/827/F25/DIM 12V 10/1FB | 50 mm | 46.5 mm |

Photometric data



Light Distribution Diagram - 8MR16/LED/827/F25/DIM 12V 10/1FB



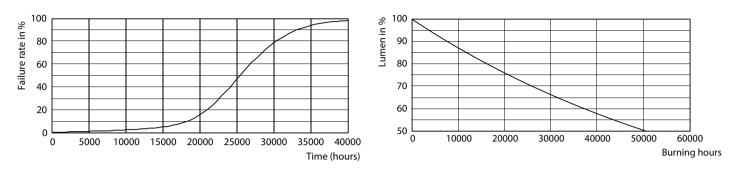
Spectral Power Distribution Colour - 8MR16/LED/827/F25/DIM 12V 10/1FB

| | 1 | x 9210836725 34D 2700K HB3 |
|--|---|----------------------------|
| | | 1 < 607 |
| | | |
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Accent Lighting Spots - 8MR16/LED/827/F25/DIM 12V 10/1FB

LED MR16

Lifetime



Life Expectancy Diagram

Lumen Maintenance Diagram - 8MR16/LED/827/F25/DIM 12V 10/1FB



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