



LED MR16

8.5MR16/LED/840/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 | | Power Consumption | |
| Cap-Base | GU5.3 [GU5.3] | Lamp Current (Nom) | 960 mA |
| Nominal lifetime | 25,000 hour(s) | Wattage Equivalent | 50 W |
| Switching Cycle | 50,000 | Starting Time (Nom) | 0.5 s |
| Lighting Technology | LED | Warm-up time to 60% light | 0.5 s |
| EU RoHS compliant | Yes | Power Factor (Fraction) | 0.7 |
| Light Technical | | Voltage (Nom) | ac electronic 12 V |
| Color Code | 840 [CCT of 4000K] | Temperature | |
| Beam Angle (Nom) | 25 degree(s) | T-Case Maximum (Nom) | 100 °C |
| Luminous Flux | 660 lm | Controls and Dimming | |
| Luminous Intensity (Nom) | 3,350 cd | Dimmable | Yes |
| Color Designation | Cool White (CW) | Mechanical and Housing | |
| Correlated Color Temperature (Nom) | 4000 K | Bulb Finish | Clear |
| Luminous Efficacy (rated) (Nom) | 77.00 lm/W | Bulb Material | Aluminum |
| Color Consistency | <4 | Bulb Shape | MR16 [2inch/50mm] |
| Color rendering index (CRI) | 80 | Approval and Application | |
| LLMF At End Of Nominal Lifetime (Nom) | 70 % | Suitable For Accent Lighting | Yes |
| Operating and Electrical | | | |
| Line Frequency | - Hz | | |
| Input Frequency | - Hz | | |

LED MR16

| | |
|-------------------------------|------------------------------------|
| Energy Consumption kWh/1000 h | - kWh |
| Product Data | |
| Order product name | 8.5MR16/LED/840/F25/DIM 12V 10/1FB |
| Full product name | 8.5MR16/LED/840/F25/DIM 12V 10/1FB |
| Order code | 533521 |
| Material Nr. (12NC) | 929001881504 |

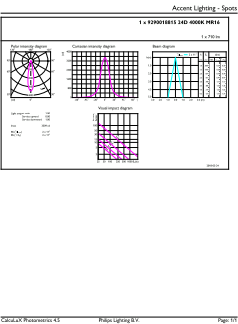
| | |
|---------------------------------|----------------|
| Numerator - Quantity Per Pack | 1 |
| EAN/UPC - Product/Case | 046677533526 |
| Numerator - Packs per outer box | 10 |
| EAN/UPC - Case | 50046677533521 |

Dimensional drawing

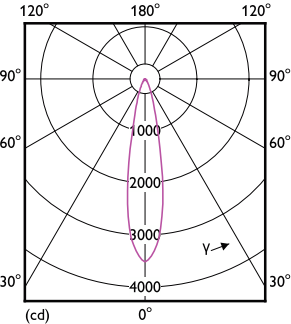


| Product | D | C |
|------------------------------------|---------|---------|
| 8.5MR16/LED/840/F25/DIM 12V 10/1FB | 50.5 mm | 46.5 mm |

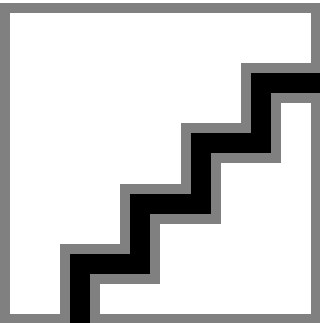
Photometric data



Accent Lighting Spots - 8.5MR16/LED/840/F25/DIM 12V 10/1FB



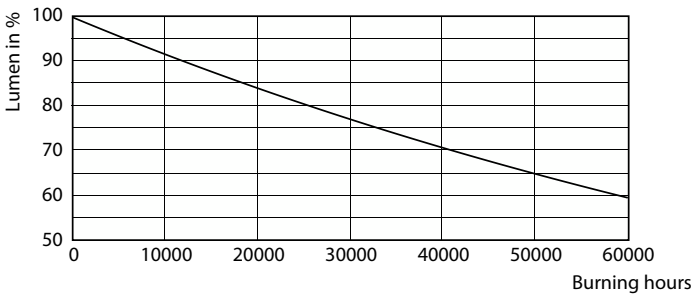
Light Distribution Diagram - 8.5MR16/LED/840/F25/DIM 12V 10/1FB



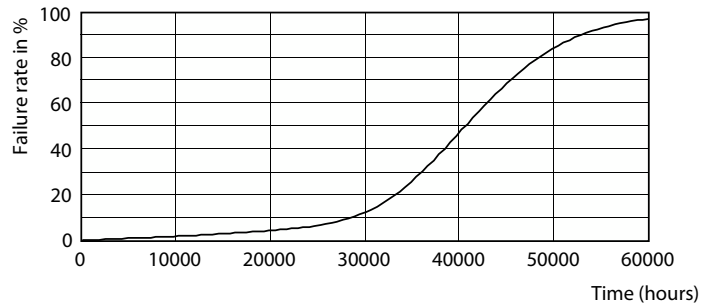
Spectral Power Distribution Colour - 8.5MR16/LED/840/F25/DIM 12V 10/1FB

LED MR16

Lifetime



Lumen Maintenance Diagram - 8.5MR16/LED/840/F25/DIM 12V 10/1FB



Life Expectancy Diagram - 8.5MR16/LED/840/F25/DIM 12V 10/1FB

