



The Perfect LED Spot solution

LED MR16

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.

Benefits

- Up to 80% energy saving compared with halogen lamps and lower maintenance costs
- Easy to replace/retro-fit. Broad compatibility with transformers
- “Perfect fit” in most current Halogen fixtures

Features

- Ranging between 15,000 to 40,000 hour LED Lifetime
- Easy to replace/retro-fit- “Perfect fit” in most current Halogen fixtures. Title 20 & Title 24 JA8 compliant versions options are available
- Optimized look and feel of product
- Compatible with most commonly available halogen transformers
- Ranging between 3-year to 5-year limited component warranty depending upon operating hours

Application

- Hotels, restaurants, bars, cafés, museums, shops
- Lobbies, corridors, stairwells, washrooms, reception areas , exhibitions, display cabinets

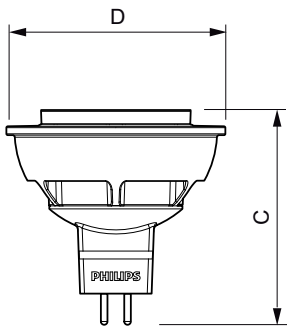
LED MR16

Versions



GU5.3 MR16

Dimensional drawing



Product	D	C
6.4MR16/F35/3000 DIM 12V	51 mm	51 mm
6.4MR16/F25/3000 DIM 12V	51 mm	51 mm

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Approval and Application

Energy Consumption kWh/1000 h - kWh

Controls and Dimming

Dimmable Yes

Operating and Electrical

Input Frequency - Hz

Voltage (Nom) 12 V

Wattage Equivalent 35 W

Power (Rated) (Nom) 6.4 W

General Information

Cap-Base GU5.3

Nominal Lifetime (Nom) 25000 h

Switching Cycle 50000X

Light Technical

Color Code 830

Correlated Color Temperature (Nom) 3000 K

Color Rendering Index (Nom) 80

Llmf At End Of Nominal Lifetime (Nom) 70 %

Luminous Flux (Nom) 450 lm

Mechanical and Housing

Bulb Shape MR16

Temperature

T-Case Maximum (Nom) 100 °C

Operating and Electrical

Order Code	Full Product Name	Starting Time (Nom)
470336	6.4MR16/F25/3000 DIM 12V 10/1	0.5 s
470344	6.4MR16/F35/3000 DIM 12V 10/1	0.6 s

Light Technical

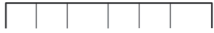
Order Code	Full Product Name	Beam Angle (Nom)	Luminous Intensity (Nom)
470336	6.4MR16/F25/3000 DIM 12V 10/1	25 °	1800 cd
470344	6.4MR16/F35/3000 DIM 12V 10/1	35 °	1000 cd

120
/

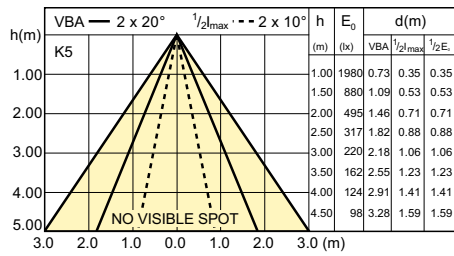
120
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LED MR16

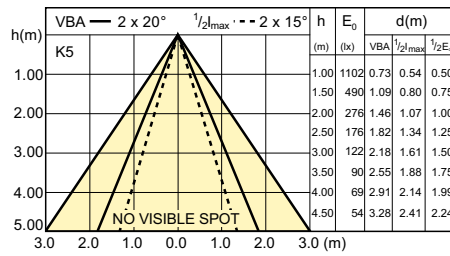
Accent Diagrams



Beam Diagrams



SDBE_LEDspotL_0127-Beam diagram



SDBE_LEDspotL_0130-Beam diagram

