



MASTER VALUE LEDs

pot LV

MAS LEDspotLV VLE D 8-50W 840 MR16 24D

Philips MASTER VALUE MR16 is the series of Low Voltage (12VAC) Halogen MR16 replacements. Not only does it employ Philips' patented solution to guarantee the broadest possible compatibility with standard 12V Halogen electronic transformers. It also delivers beam intensity which is equivalent to the 50W Philips Halogen MR16 lamps. The form-factor of Philips MASTER Value LED MR16 guarantees a 100% form on the back-side of the lamp (exact form with Halogen lamps.)

Warnings and Safety

- Operating temperature range is between -20° C and 45° C ambient
- Only to apply in dry or damp locations and most of open fixtures with lamp-holders that offer sufficient space (10 mm free air space)
- Not intended for use with emergency light fixtures or exit lights

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	840 [CCT of 4000K]
Beam Angle (Nom)	24 degree(s)
Luminous Flux	630 lm
Luminous Intensity (Nom)	2,900 cd
Color Designation	Cool White (CW)

Correlated Color Temperature (Nom)	4000 K
Luminous Efficacy (rated) (Nom)	78.75 lm/W
Color Consistency	<6
Color rendering index (CRI)	80
LLMF At End Of Nominal Lifetime (Nom)	70 %
Luminous Flux in 90° Cone (Rated)	630 lm

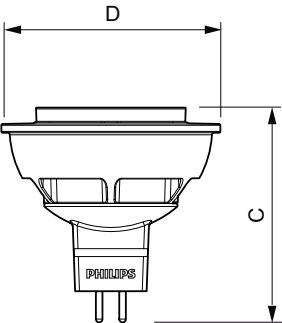
Operating and Electrical	
Power Consumption	8 W
Lamp Current (Nom)	1,000 mA
Starting Time (Nom)	0.5 s
Warm-up time to 60% light	1 s
Power Factor (Fraction)	0.7

MASTER VALUE LEDspot LV

Voltage (Nom)	12 V
Temperature	
T-Case Maximum (Nom)	75 °C
Controls and Dimming	
Dimmable	Yes
Mechanical and Housing	
Bulb Shape	MR16 [2inch/50mm]
Approval and Application	
Energy Saving Product	Yes
Suitable For Accent Lighting	Yes

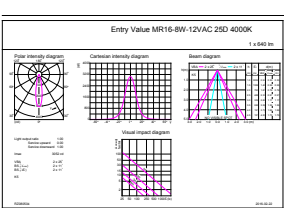
Energy Consumption kWh/1000 h	9 kWh
Product Data	
Order product name	MAS LEDspotLV VLE D 8-50W 840 MR16 24D
Full product name	MAS LEDspotLV VLE D 8-50W 840 MR16 24D
Full product code	871869657209200
Order code	929001241602
Material Nr. (12NC)	929001241602
Numerator - Quantity Per Pack	1
EAN/UPC - Product/Case	8718696572092
Numerator - Packs per outer box	10
EAN/UPC - Case	8718696572108

Dimensional drawing



Product	D	C
MAS LEDspotLV VLE D 8-50W 840 MR16 24D	50 mm	50 mm

Photometric data



Philips Lighting B.V. Page 1/1

General uniform lighting - MAS LEDspotLV VLE D 8-50W 840 MR16 24D

Light Distribution Diagram - MAS LEDspotLV VLE D 8-50W 840 MR16 24D

MASTER VALUE LEDspot LV

Photometric data



Spectral Power Distribution Colour - MAS LEDspotLV VLE D 8-50W 840
MR16 24D

