



MASTER VALUE LEDs pot LV

MASTER LEDspotLV VLE D 8-50W 830 MR16 24D

Philips MASTER VALUE MR16 is the series of Low Voltage (12 VAC) Halogen MR16 replacements. Not only does it employ Philips' patented solution to guarantee the broadest possible compatibility with standard 12 V Halogen electronic transformers, it also delivers beam intensity which is equivalent to the 50 W 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 fit 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 h
Switching Cycle	50,000
Lighting Technology	LED
EU RoHS compliant	Yes

Light Technical	
Colour Code	830 [CCT of 3000K]
Beam angle (nom.)	24 degree(s)
Luminous Flux	621 lm
Luminous intensity (nom.)	2,900 cd
Colour designation	White (WH)

Correlated Colour Temperature	3000 K
Luminous efficacy (rated) (nom.)	77.63 lm/W
Colour consistency	<6
Colour rendering index (CRI)	80
LLMF at end of nominal lifetime (nom.)	70 %
Luminous flux in 90° cone (rated)	621 lm

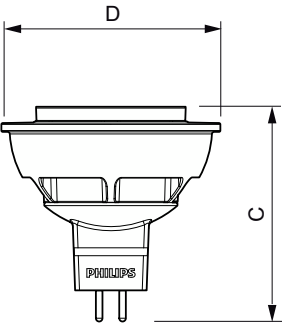
Operating and Electrical	
Power Consumption	8 W
Lamp current (nom.)	1,000 mA
Starting time (nom.)	0.5 s
Warm-up time to 60% light	1 s
Power Factor (Fraction)	0.7

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Voltage (nom.)	12 V
Temperature	
T-Case maximum (nom.)	75 °C
Controls and Dimming	
Dimmable	Yes
Mechanical and Housing	
Bulb shape	MR16 [2 inch/50 mm]
Approval and Application	
Energy-saving product	Yes
Suitable for accent lighting	Yes
Energy consumption kWh/1,000 hours	9 kWh

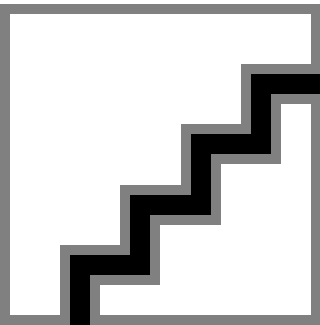
Product Data	
Order product name	MAS LEDspotLV VLE D 8-50W 830 MR16 24D
Full product name	MASTER LEDspotLV VLE D 8-50W 830 MR16 24D
Full EOC	871869657205400
Order code	57205400
Material no. (12 NC)	929001241302
SAP numerator – quantity per pack	1
EAN/UPC – Product/Case	8718696572054
Numerator – packs per outer box	10
EAN/UPC – Case	8718696572061

Dimensional drawing

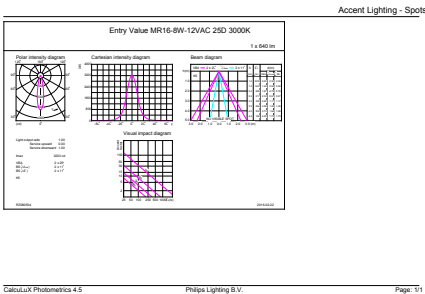


Product	D	C
MAS LEDspotLV VLE D 8-50W 830 MR16 24D	50 mm	50 mm

Photometric data



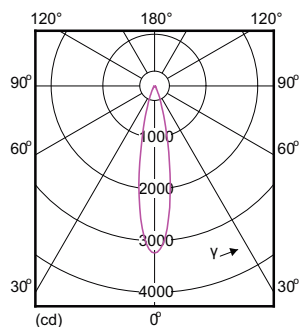
Spectral Power Distribution Colour - MAS LEDspotLV VLE D 8-50W 830 MR16 24D



General uniform lighting - MAS LEDspotLV VLE D 8-50W 830 MR16 24D

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Photometric data



Light Distribution Diagram - MAS LEDspotLV VLE D 8-50W 830 MR16 24D

