



MASTER VALUE LEDs pot LV

MAS LED SPOT VLE D 7-50W MR16 830 36D

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		Correlated Color Temperature (Nom)	
Cap-Base	GU5.3 [GU5.3]	3000 K	
Nominal lifetime	25,000 hour(s)	Luminous Efficacy (rated) (Nom)	
Switching Cycle	50,000	90.00 lm/W	
Lighting Technology	LED	Color Consistency	
EU RoHS compliant	Yes	<6	
Light Technical		Color rendering index (CRI)	
Color Code	830 [CCT of 3000K]	80	
Beam Angle (Nom)	36 degree(s)	LLMF At End Of Nominal Lifetime (Nom)	
Luminous Flux	630 lm	70 %	
Luminous Intensity (Nom)	1,500 cd	Luminous Flux in 90° Cone (Rated)	
Color Designation	White (WH)	630 lm	
Operating and Electrical		Line Frequency	
		- Hz	
		Input Frequency	
		- Hz	
		Power Consumption	
		7 W	
		Lamp Current (Nom)	
		770 mA	
		Wattage Equivalent	
		50 W	

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Starting Time (Nom)	0.5 s
Warm-up time to 60% light	0.5 s
Power Factor (Fraction)	0.8
Voltage (Nom)	12 V

Temperature

T-Case Maximum (Nom)	85 °C
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Controls and Dimming

Dimmable	Yes
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Mechanical and Housing

Bulb Shape	MR16 [2inch/50mm]
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Approval and Application

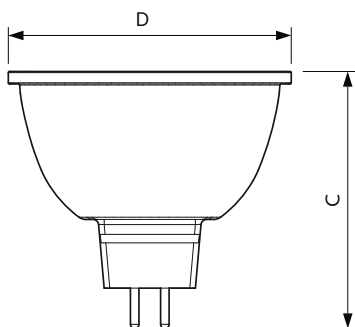
Suitable For Accent Lighting	Yes
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Energy Consumption kWh/1000 h	8 kWh
EyeComfort	Yes

Product Data

Order product name	MAS LED SPOT VLE D 7-50W MR16 830 36D
Full product name	MAS LED SPOT VLE D 7-50W MR16 830 36D
Full product code	871869681556400
Order code	929001903502
Material Nr. (12NC)	929001903502
Numerator - Quantity Per Pack	1
EAN/UPC - Product/Case	8718696815564
Numerator - Packs per outer box	10
EAN/UPC - Case	8718696815571

Dimensional drawing



Product	D	C
MAS LED SPOT VLE D 7-50W MR16 830 36D	50.5 mm	45 mm

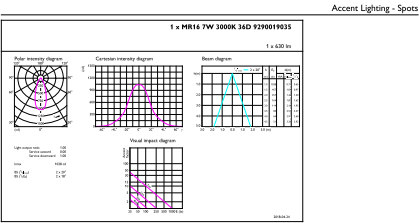
Photometric data

Light Distribution Diagram - MAS LED SPOT VLE D 7-50W MR16 830 36D

Spectral Power Distribution Colour - MAS LED SPOT VLE D 7-50W MR16 830 36D

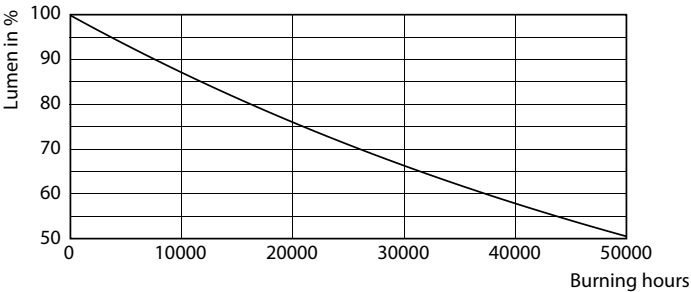
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Photometric data



Accent Lighting Spots - MAS LED SPOT VLE D 7-50W MR16 830 36D

Lifetime



Lumen Maintenance Diagram - MAS LED SPOT VLE D 7-50W MR16 830 36D

Life Expectancy Diagram - MAS LED SPOT VLE D 7-50W MR16 830 36D

