



# 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 employs 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	830 [CCT of 3000K]
Beam Angle (Nom)	36 degree(s)
Luminous Flux	630 lm
Luminous Intensity (Nom)	1,500 cd
Color Designation	White (WH)

Correlated Color Temperature (Nom)	3000 K
Luminous Efficacy (rated) (Nom)	90.00 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	
Line Frequency	- Hz
Input Frequency	- Hz
Power Consumption	7 W
Lamp Current (Nom)	770 mA
Wattage Equivalent	50 W

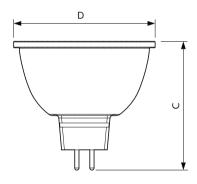
Datasheet, 2023, November 15 data subject to change

# **MASTER VALUE LEDspot LV**

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	
Controls and Dimming		
Dimmable	Yes	
Mechanical and Housing		
Bulb Shape	MR16 [2inch/50mm]	
Approval and Application		
Suitable For Accent Lighting	Yes	

Energy Consumption kWh/1000 h	8 kWh	
EyeComfort	Yes	
Product Data		
Order product name	MAS LED SPOT VLE D 7-50W MR16 830 36	
Full product name	MAS LED SPOT VLE D 7-50W MR16 830 36I	
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	С
MAS LED SPOT VLE D 7-50W MR16 830 36D	50.5 mm	45 mm

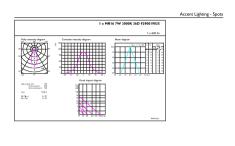
# Photometric data

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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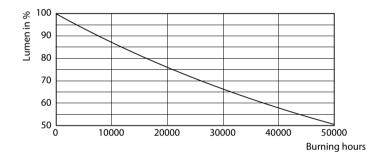
### Photometric data



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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



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