

MASTER VALUE LEDs pot LV

MASTER LED 7-50W 827 MR16 24D Dim

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	40,000 hour(s)
Switching Cycle	50,000
Lighting Technology	LED
EU RoHS compliant	Yes

Light Technical	
Color Code	827 [CCT of 2700K]
Beam Angle (Nom)	24 degree(s)
Luminous Flux	420 lm
Luminous Intensity (Nom)	2,100 cd
Color Designation	Warm White (WW)

Correlated Color Temperature (Nom)	2700 K
Luminous Efficacy (rated) (Nom)	57.14 lm/W
Color Consistency	<6
Color rendering index (CRI)	80
LLMF At End Of Nominal Lifetime (Nom)	70 %
Luminous Flux in 90° Cone (Rated)	400 lm

Operating and Electrical	
Power Consumption	7 W
Lamp Current (Nom)	720 mA
Wattage Equivalent	50 W
Starting Time (Nom)	0.5 s
Warm-up time to 60% light	1 s

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Power Factor (Fraction)	0.7
Voltage (Nom)	12 V

Temperature	
T-Case Maximum (Nom)	92 °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

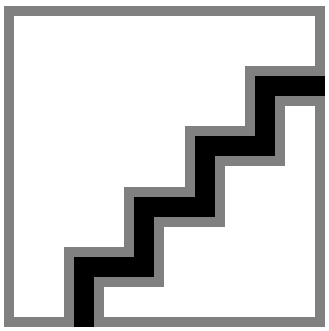
Energy Consumption kWh/1000 h	8 kWh

Product Data	
Order product name	MASTER LED 7-50W 827 MR16 24D Dim
Full product name	MASTER LED 7-50W 827 MR16 24D Dim
Full product code	871869648957400
Order code	929001152808
Material Nr. (12NC)	929001152808
Numerator - Quantity Per Pack	1
EAN/UPC - Product/Case	8718696489574
Numerator - Packs per outer box	10
EAN/UPC - Case	8718696489581

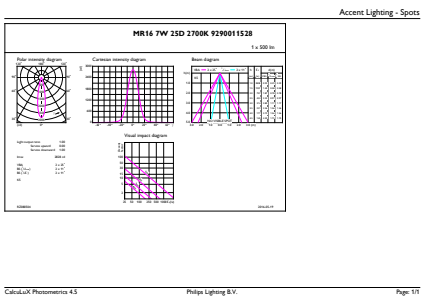
Dimensional drawing

Product	D	C
MASTER LED 7-50W 827 MR16 24D Dim	51 mm	51 mm

Photometric data



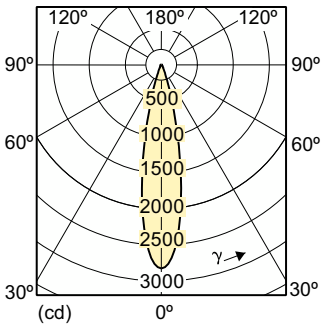
Spectral Power Distribution Colour - MASTER LED 7-50W 827 MR16 24D Dim



General uniform lighting - MASTER LED 7-50W 827 MR16 24D Dim

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Photometric data



Light Distribution Diagram - MASTER LED 7-50W 827 MR16 24D Dim

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