



# MASTER VALUE LEDs pot LV

## MASTER LED 4-20W 3000K 12V 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	45,000 hour(s)
Switching Cycle	50,000
Lighting Technology	LED
EU RoHS compliant	Yes

Light Technical	
Color Code	830 [CCT of 3000K]
Beam Angle (Nom)	24 degree(s)
Luminous Flux	220 lm
Luminous Intensity (Nom)	1,100 cd
Color Designation	White (WH)

Correlated Color Temperature (Nom)	3000 K
Luminous Efficacy (rated) (Nom)	55.00 lm/W
Color Consistency	<6
Color rendering index (CRI)	80
LLMF At End Of Nominal Lifetime (Nom)	70 %
Luminous Flux in 90° Cone (Rated)	220 lm

Operating and Electrical	
Line Frequency	50 to 60 Hz
Input Frequency	50 to 60 Hz
Power Consumption	4 W
Lamp Current (Nom)	520 mA
Starting Time (Nom)	0.5 s

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Warm-up time to 60% light	instant full light s
Power Factor (Fraction)	0.7
Voltage (Nom)	12 V
Controls and Dimming	
Dimmable	No
Mechanical and Housing	
Bulb Shape	MR16 [2inch/50mm]
Approval and Application	
Suitable For Accent Lighting	Yes
Energy Consumption kWh/1000 h	5 kWh

Product Data	
Order product name	MASTER LED 4-20W 3000K 12V MR16 24D
Full product name	MASTER LED 4-20W 3000K 12V MR16 24D
Full product code	871829119138400
Order code	929000217708
Material Nr. (12NC)	929000217708
Numerator - Quantity Per Pack	1
EAN/UPC - Product/Case	8718291191384
Numerator - Packs per outer box	10
EAN/UPC - Case	8718291191391

Dimensional drawing

Product	D	C
MASTER LED 4-20W 3000K 12V MR16 24D	50 mm	47.8 mm

Photometric data

Light Distribution Diagram - MASTER LED 4-20W 3000K 12V MR16 24D

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