



# MASTER VALUE LEDs pot LV

## MASTER LED 6.5-50W 2700K 12V MR16 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 827 [CCT of 2700K]  Beam Angle (Nom) 36 degree(s)  Luminous Flux 380 lm  Luminous Intensity (Nom) 1,200 cd  Color Designation Warm White (WW)		
Nominal lifetime 25,000 hour(s)  Switching Cycle 50,000  Lighting Technology LED  EU ROHS compliant Yes  Light Technical  Color Code 827 [CCT of 2700K]  Beam Angle (Nom) 36 degree(s)  Luminous Flux 380 lm  Luminous Intensity (Nom) 1,200 cd	General Information	
Switching Cycle 50,000  Lighting Technology LED  EU RoHS compliant Yes  Light Technical  Color Code 827 [CCT of 2700K]  Beam Angle (Nom) 36 degree(s)  Luminous Flux 380 lm  Luminous Intensity (Nom) 1,200 cd	Cap-Base	GU5.3 [GU5.3]
Lighting Technology  EU RoHS compliant  Yes  Light Technical  Color Code  827 [CCT of 2700K]  Beam Angle (Nom)  36 degree(s)  Luminous Flux  380 lm  Luminous Intensity (Nom)  1,200 cd	Nominal lifetime	25,000 hour(s)
EU RoHS compliant  Yes  Light Technical  Color Code  827 [CCT of 2700K]  Beam Angle (Nom)  36 degree(s)  Luminous Flux  380 lm  Luminous Intensity (Nom)  1,200 cd	Switching Cycle	50,000
Light Technical           Color Code         827 [CCT of 2700K]           Beam Angle (Nom)         36 degree(s)           Luminous Flux         380 lm           Luminous Intensity (Nom)         1,200 cd	Lighting Technology	LED
Color Code         827 [CCT of 2700K]           Beam Angle (Nom)         36 degree(s)           Luminous Flux         380 lm           Luminous Intensity (Nom)         1,200 cd	EU RoHS compliant	Yes
Color Code         827 [CCT of 2700K]           Beam Angle (Nom)         36 degree(s)           Luminous Flux         380 lm           Luminous Intensity (Nom)         1,200 cd		
Beam Angle (Nom)   36 degree(s)	Light Technical	
Luminous Flux         380 lm           Luminous Intensity (Nom)         1,200 cd	Color Code	827 [CCT of 2700K]
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	Luminous Flux	380 lm
Color Designation Warm White (WW)	Luminous Intensity (Nom)	1,200 cd
	Color Designation	Warm White (WW)

Correlated Color Temperature (Nom)	2700 K
Luminous Efficacy (rated) (Nom)	58.46 lm/W
Color Consistency	<6
Color rendering index (CRI)	80
LLMF At End Of Nominal Lifetime (Nom)	70 %

Operating and Electrical	
Line Frequency	50 to 60 Hz
Input Frequency	50 to 60 Hz
Power Consumption	6.5 W
Lamp Current (Nom)	671 mA
Starting Time (Nom)	0.5 s
Warm-up time to 60% light	instant full light s

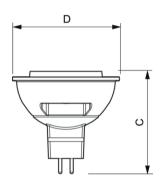
Datasheet, 2023, December 6 data subject to change

# **MASTER VALUE LEDspot LV**

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	7 kWh

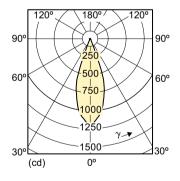
MASTER LED 6.5-50W 2700K 12V MR16 36D
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871829119148300
929000211808
929000211808
1
8718291191483
10
8718291191490

## Dimensional drawing



Product	D	С
MASTER LED 6.5-50W 2700K 12V MR16 36D	49.9 mm	47.8 mm

## Photometric data



Light Distribution Diagram - MASTER LED 6.5-50W 2700K 12V MR16 36D

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