



# MASTER VALUE LEDs pot LV



## MASTER LEDspotLV 3.5-20W 827 MR11 24D

Philips MASTER VALUE MR16 is the series of Low Voltage (12 VAC) Halogen MR16 replacements. Not only does it employ Philips' patented solution to guarantee the broadest possible compatibility with standard 12 V Halogen electronic transformers, it also delivers beam intensity which is equivalent to the 50 W 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 fit 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	GU4
Nominal lifetime	40,000 h
Switching Cycle	50,000
Lighting Technology	LED
Flux measurement reference	Narrow Cone

Light Technical	
Colour Code	827 [CCT of 2700K]
Beam angle (nom.)	24 degree(s)
Luminous Flux	200 lm
Luminous intensity (nom.)	1,000 cd
Luminous efficacy (rated) (nom.)	57.00 lm/W

Colour designation	Warm White (WW)
Correlated Colour Temperature	2700 K
Colour consistency	<6
Colour rendering index (CRI)	80
LLMF at end of nominal lifetime (nom.)	70 %
Luminous flux in 90° cone (rated)	200 lm
Photobiological safety according to EN 62471	RG1

Operating and Electrical	
Line Frequency	- Hz
Input frequency	- Hz
Power Consumption	3.5 W
Lamp current (nom.)	400 mA

# MASTER VALUE LEDspot LV

Wattage equivalent	20 W
Starting time (nom.)	0.5 s
Warm-up time to 60% light	0.5 s
Power Factor (Fraction)	0.7
Voltage (nom.)	ac electronic 12 V

## Temperature

T-Case maximum (nom.)	85 °C
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## Controls and Dimming

Dimmable	No
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## Mechanical and Housing

Bulb shape	MR11
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## Approval and Application

Energy Efficiency Class	G
Suitable for accent lighting	Yes
Energy consumption kWh/1,000 hours	4 kWh
EPREL registration number	680249
CE mark	Yes

EU RoHS compliant	Yes
EyeComfort	Yes

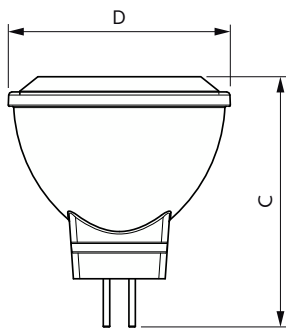
## Application Conditions

Can it be used in closed luminaires	No
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## Product Data

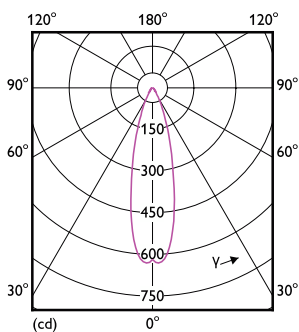
Order product name	MAS LEDspotLV 3.5-20W 827 MR11 24D
Full product name	MASTER LEDspotLV 3.5-20W 827 MR11 24D
Full EOC	871951435990100
Order code	35990100
Material no. (12 NC)	929003087002
Numerator – quantity per pack	1
Net Weight (Piece)	0.018 kg
EAN/UPC – Product/Case	8719514359901
Numerator – packs per outer box	12
EAN/UPC - Case	8719514359918

## Dimensional drawing

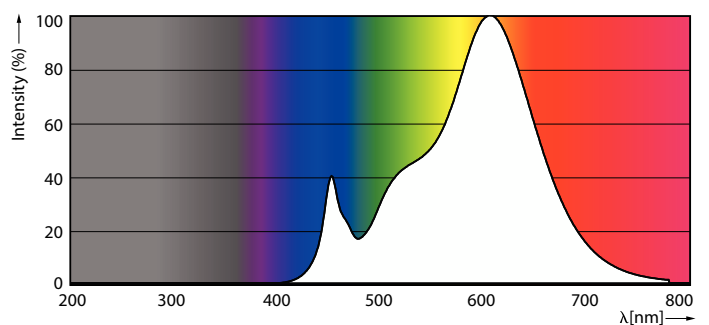


Product	D	C
MAS LEDspotLV 3.5-20W 827 MR11 24D	35.1 mm	39.5 mm

## Photometric data



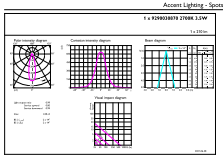
Light Distribution Diagram - MAS LEDspotLV 3.5-20W 827 MR11 24D



Spectral Power Distribution Colour - MAS LEDspotLV 3.5-20W 827 MR11 24D

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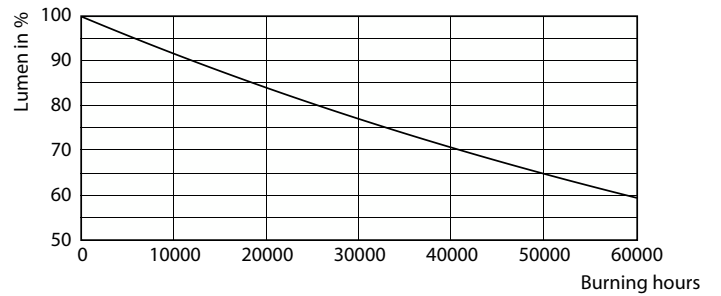
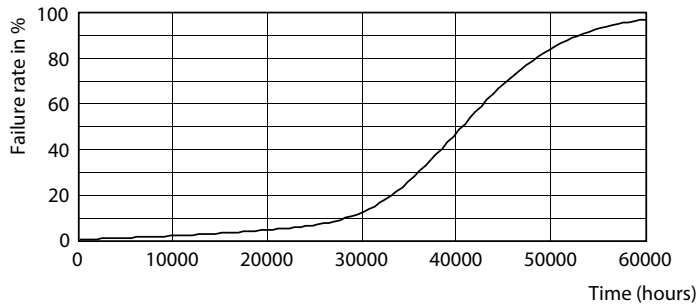
## Photometric data



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Accent Lighting Spots - MAS LEDspotLV 3.5-20W 827 MR11 24D

## Lifetime



Life Expectancy Diagram

Lumen Maintenance Diagram - MAS LEDspotLV 3.5-20W 827 MR11 24D

