



# MASTER VALUE LEDs pot LV

## MAS LEDspotLV 3.5-20W 827 MR11 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		Correlated Color Temperature (Nom)	
Cap-Base	GU4 [GU4]	Correlated Color Temperature (Nom)	2700 K
Nominal lifetime	40,000 hour(s)	Luminous Efficacy (rated) (Nom)	57.00 lm/W
Switching Cycle	50,000	Color Consistency	<6
Lighting Technology	LED	Color rendering index (CRI)	80
Flux measurement reference	Narrow Cone	LLMF At End Of Nominal Lifetime (Nom)	70 %
		Luminous Flux in 90° Cone (Rated)	200 lumen
Light Technical		Operating and Electrical	
Color Code	827 [CCT of 2700K]	Line Frequency	- Hz
Beam Angle (Nom)	24 degree(s)	Input Frequency	- Hz
Luminous Flux	200 lumen	Power Consumption	3.5 W
Luminous Intensity (Nom)	1,000 cd	Lamp Current (Nom)	400 mA
Color Designation	Warm White (WW)	Wattage Equivalent	20 W

# MASTER VALUE LEDspot LV

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 [1.375inch/35mm]
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## Approval and Application

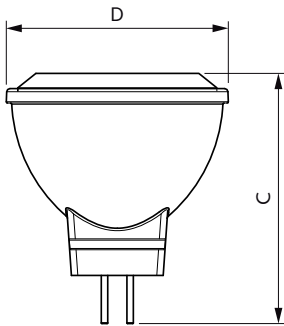
Suitable For Accent Lighting	Yes
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Energy Consumption kWh/1000 h	4 kWh
EPREL Registration Number	680,249
CE mark	Yes
EU RoHS compliant	Yes

## Product Data

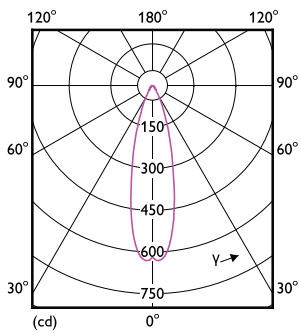
Full product code	871951435990100
Order product name	MAS LEDspotLV 3.5-20W 827 MR11 24D
Order code	929003087002
Numerator - Quantity Per Pack	1
Numerator - Packs per outer box	12
Material number (12NC)	929003087002
Full product name	MAS LEDspotLV 3.5-20W 827 MR11 24D
EAN/UPC - Case	8719514359918

## Dimensional drawing

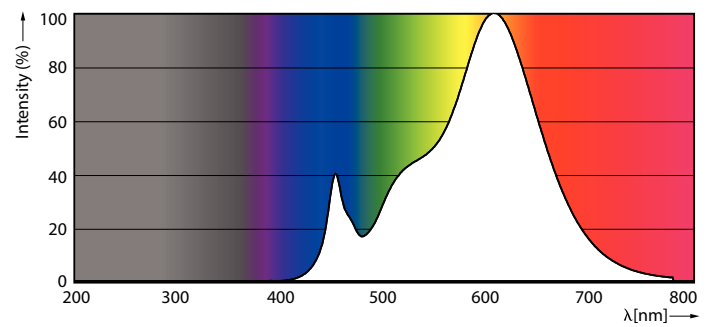


Product	D	C
MAS LEDspotLV 3.5-20W 827 MR11 24D	35.1 mm	39.5 mm

## Photometric data



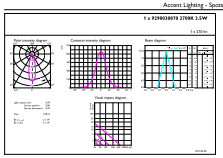
Light Distribution Diagram - MAS LEDspotLV 3.5-20W 827 MR11 24D



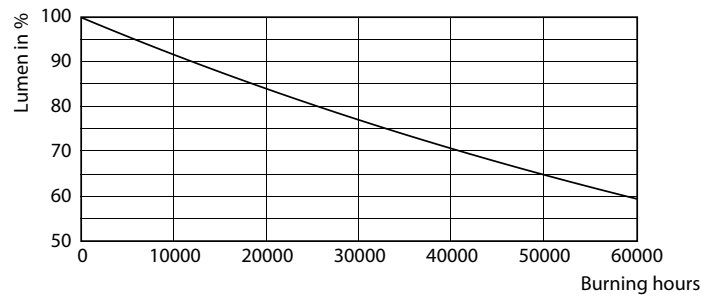
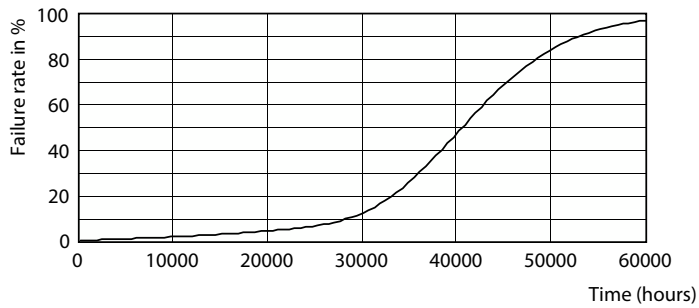
Spectral Power Distribution Colour - MAS LEDspotLV 3.5-20W 827 MR11 24D

# MASTER VALUE LEDspot LV

## Photometric data



## Lifetime



Life Expectancy Diagram - MAS LEDspotLV 3.5-20W 827 MR11 24D

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

