



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		Luminous Intensity (Nom)	
Cap-Base	GU4		1,000 cd
Nominal lifetime	40,000 hour(s)	Color Designation	Warm White (WW)
Switching Cycle	50,000	Correlated Color Temperature (Nom)	2700 K
Lighting Technology	LED	Luminous Efficacy (rated) (Nom)	57.00 lm/W
Flux measurement reference	Narrow Cone	Color Consistency	<6
CE mark	Yes	Color rendering index (CRI)	80
EU RoHS compliant	Yes	LLMF At End Of Nominal Lifetime (Nom)	70 %
		Luminous Flux in 90° Cone (Rated)	200 lm
		Photobiological safety according to EN 62471	RG1
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 lm		

MASTER VALUE LEDspot LV

Power Consumption	3.5 W
Lamp Current (Nom)	400 mA
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/1000 h	4 kWh
EPREL Registration Number	680249
EyeComfort	Yes

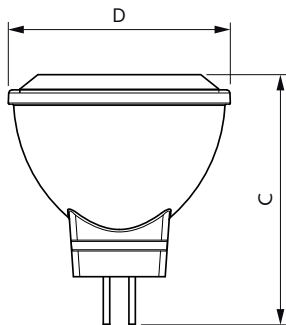
Application Conditions

can it be used in closed luminaires	No
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Product Data

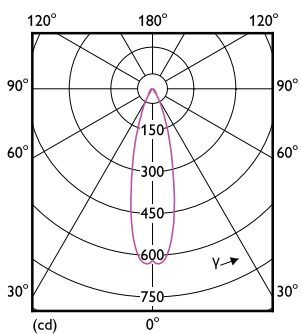
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Full product name	MAS LEDspotLV 3.5-20W 827 MR11 24D
Full product code	871951435990100
Order code	929003087002
Material Nr. (12NC)	929003087002
Numerator - Quantity Per Pack	1
EAN/UPC - Product/Case	8719514359901
Numerator - Packs per outer box	12
EAN/UPC - Case	8719514359918

Dimensional drawing

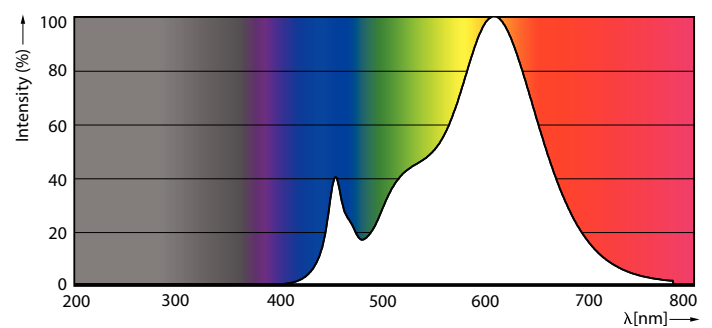


Product	D	C
MAS LEDspotLV 3.5-20W 827 MR11 24D	35.1 mm	39.5 mm

Photometric data



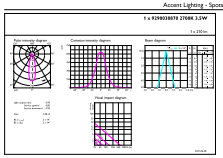
Light Distribution Diagram - MAS LEDspotLV 3.5-20W 827 MR11 24D



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

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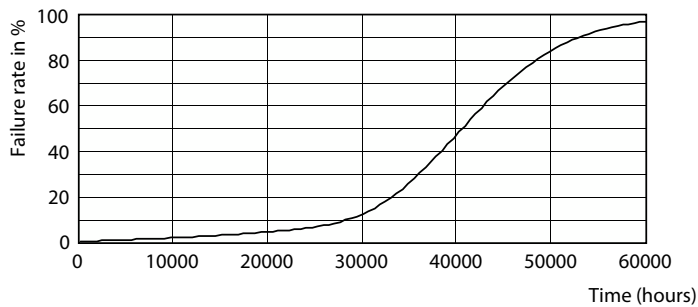
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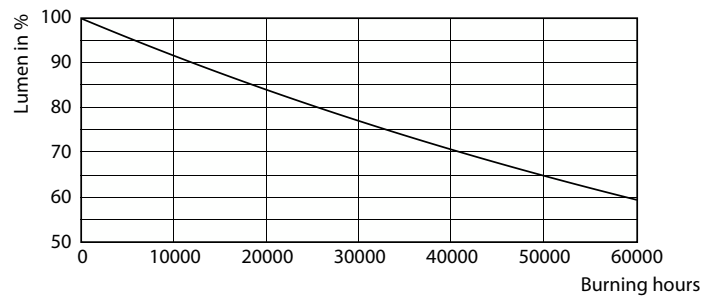
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Accent Lighting Spots - MAS LEDspotLV 3.5-20W 827 MR11 24D

Lifetime



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



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

