



# MASTER LEDspot LV

## MAS LEDspotLV D 8.0-50W 827 MR16 24D

Delivering an intense accent beam, the MASTER LEDspot LV is an ideal retrofit solution for spot-lighting. The MASTER LEDspot LV is designed to replace halogen or incandescent spots. It achieves natural colours, enables cosy and comfortable ambience for residential and hospitality usage, and emphasises the beauty of merchandise in retail. A new smaller housing provides perfect fitting with the majority of luminaires on the market with a MR16 GU 5.3 holder. It not only employs Philips's patented solution to guarantee the broadest possible compatibility with standard 12 V halogen electronic transformers, it also delivers high beam intensity which is equivalent to halogen MR16 spots. The dimming function enables users to create the desired atmosphere and it works with broad selection of dimmers. Its high SDCM ensures stricter colour consistency, that is maintained over product life. The MASTER LEDspot LV delivers huge energy savings and minimises maintenance costs without any compromise on light quality and lifetime, enabling residential and business owners to achieve a return on their investment within a short time period.

### Product data

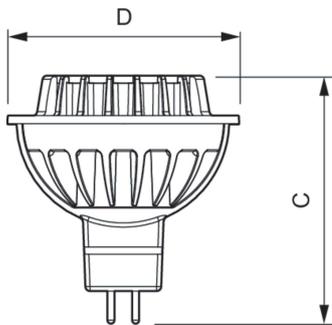
General Information		Operating and Electrical	
Cap base	GU5.3 [GU5.3]	Correlated Colour Temperature	2700 K
Nominal lifetime	40,000 h	Luminous efficacy (rated) (nom.)	78 lm/W
Switching Cycle	50,000	Colour consistency	<6
Lighting Technology	LED	Colour rendering index (CRI)	80
EU RoHS compliant	Yes	LLMF at end of nominal lifetime (nom.)	70 %
		Luminous flux in 90° cone (rated)	621 lm
Light Technical			
Colour Code	827 [CCT of 2700K]	Line Frequency	50 to 60 Hz
Beam angle (nom.)	24 degree(s)	Input frequency	50 to 60 Hz
Luminous Flux	635 lm	Power Consumption	8 W
Luminous intensity (nom.)	3,100 cd	Lamp current (nom.)	900 mA
Colour designation	Warm White (WW)	Wattage equivalent	50 W

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Starting time (nom.)	0.5 s
Warm-up time to 60% light	Instant full light s
Power Factor (Fraction)	0.7
Voltage (nom.)	12 V
<b>Temperature</b>	
T-Case maximum (nom.)	105 °C
<b>Controls and Dimming</b>	
Dimmable	Yes
<b>Mechanical and Housing</b>	
Bulb shape	MR16 [2 inch/50 mm]
<b>Approval and Application</b>	
Suitable for accent lighting	Yes

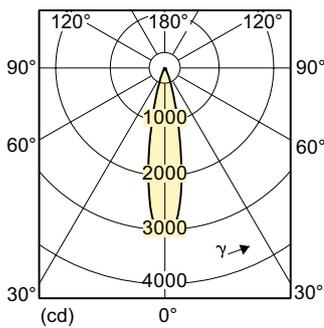
Energy consumption kWh/1,000 hours	9 kWh
<b>Product Data</b>	
Order product name	MAS LEDspotLV D 8.0-50W 827 MR16 24D
Full product name	MAS LEDspotLV D 8.0-50W 827 MR16 24D
Full EOC	871869648999400
Order code	48999400
Material no. (12 NC)	929001149802
SAP numerator – quantity per pack	1
EAN/UPC – Product/Case	8718696489994
Numerator – packs per outer box	10
EAN/UPC - Case	8718696490006

## Dimensional drawing



Product	D	C
MAS LEDspotLV D 8.0-50W 827 MR16 24D	51 mm	55 mm

## Photometric data



Light Distribution Diagram - MAS LEDspotLV D 8.0-50W 827 MR16 24D



Spectral Power Distribution Colour - MAS LEDspotLV D 8.0-50W 827 MR16 24D

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