



# MASTER LEDspot LV

## MAS LEDspotLV D 8.0-50W 830 MR16 36D

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	3000 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 %
Light Technical		Luminous flux in 90° cone (rated)	621 lm
Colour Code	830 [CCT of 3000K]	Line Frequency	50 to 60 Hz
Beam angle (nom.)	36 degree(s)	Input frequency	50 to 60 Hz
Luminous Flux	660 lm	Power Consumption	8 W
Luminous intensity (nom.)	1,700 cd	Lamp current (nom.)	900 mA
Colour designation	White (WH)	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

Temperature

T-Case maximum (nom.)	105 °C
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Controls and Dimming

Dimmable	Yes
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Mechanical and Housing

Bulb shape	MR16 [2 inch/50 mm]
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Approval and Application

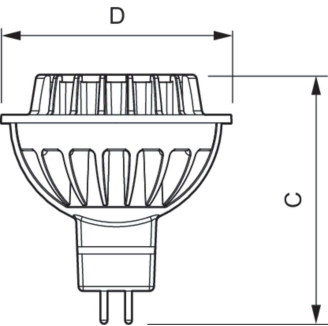
Suitable for accent lighting	Yes
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Energy consumption kWh/1,000 hours	9 kWh
EyeComfort	Yes

Product Data

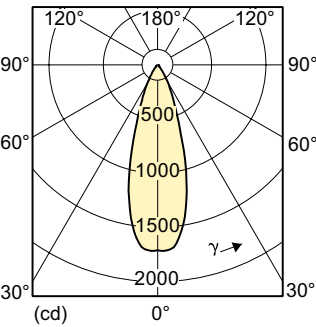
Order product name	MAS LEDspotLV D 8.0-50W 830 MR16 36D
Full product name	MAS LEDspotLV D 8.0-50W 830 MR16 36D
Full EOC	871869651538900
Order code	51538900
Material no. (12 NC)	929001150202
SAP numerator – quantity per pack	1
EAN/UPC – Product/Case	8718696515389
Numerator – packs per outer box	10
EAN/UPC – Case	8718696515396

Dimensional drawing



Product	D	C
MAS LEDspotLV D 8.0-50W 830 MR16 36D	51 mm	55 mm

Photometric data



Light Distribution Diagram - MAS LEDspotLV D 8.0-50W 830 MR16 36D



Spectral Power Distribution Colour - MAS LEDspotLV D 8.0-50W 830 MR16 36D

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