



# MASTER LEDspot LV

## MAS LEDspotLV D 8-50W 840 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

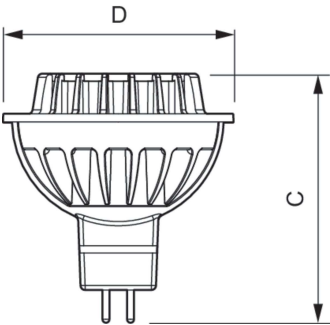
General Information			
Cap base	GU5.3 [GU5.3]	Correlated Colour Temperature	4000 K
Nominal lifetime	40,000 h	Luminous efficacy (rated) (nom.)	84 lm/W
Switching Cycle	50,000	Colour consistency	<6
Lighting Technology	LED	Colour rendering index (CRI)	80
EU RoHS compliant	Yes	LLMF at end of nominal lifetime (nom.)	70 %
		Luminous flux in 90° cone (rated)	670 lm
Light Technical		Operating and Electrical	
Colour Code	840 [CCT of 4000K]	Power Consumption	8 W
Beam angle (nom.)	36 degree(s)	Lamp current (nom.)	900 mA
Luminous Flux	710 lm	Starting time (nom.)	0.5 s
Luminous intensity (nom.)	1,750 cd	Warm-up time to 60% light	0.7 s
Colour designation	White (WH)	Power Factor (Fraction)	0.7

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Voltage (nom.)	12 V
Temperature	
T-Case maximum (nom.)	105 °C
Controls and Dimming	
Dimmable	Yes
Mechanical and Housing	
Bulb shape	MR16 [2 inch/50 mm]
Approval and Application	
Energy-saving product	Yes
Suitable for accent lighting	Yes

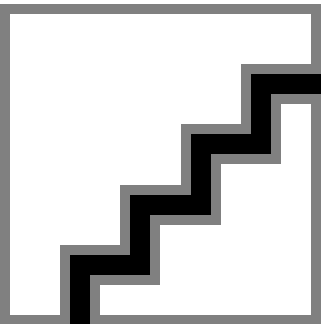
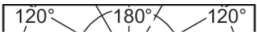
Energy consumption kWh/1,000 hours	9 kWh
Product Data	
Order product name	MAS LEDspotLV D 8-50W 840 MR16 36D
Full product name	MAS LEDspotLV D 8-50W 840 MR16 36D
Full EOC	871869657635900
Order code	57635900
Material no. (12 NC)	929001150302
SAP numerator – quantity per pack	1
EAN/UPC – Product/Case	8718696576359
Numerator – packs per outer box	10
EAN/UPC - Case	8718696576366

Dimensional drawing



Product	D	C
MAS LEDspotLV D 8-50W 840 MR16 36D	51 mm	55 mm

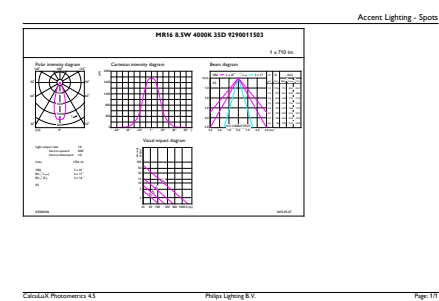
Photometric data



Light Distribution Diagram - MAS LEDspotLV D 8-50W 840 MR16 36D

Spectral Power Distribution Colour - MAS LEDspotLV D 8-50W 840 MR16 36D

Photometric data



General uniform lighting - MAS LEDspotLV D 8-50W 840 MR16 36D

