# **PHILIPS** Lighting



# **MASTER LEDspot LV**

## MAS LEDspotLV D 8.0-50W 830 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	
Cap base	GU5.3 [GU5.3]
Nominal lifetime	40,000 h
Switching Cycle	50,000
Lighting Technology	LED
EU RoHS compliant	Yes
Light Technical	
Colour Code	830 [CCT of 3000K]
Beam angle (nom.)	24 degree(s)
Luminous Flux	660 lm
Luminous intensity (nom.)	3,250 cd
Colour designation	White (WH)

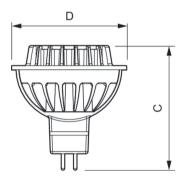
Correlated Colour Temperature	3000 K
Luminous efficacy (rated) (nom.)	78 lm/W
Colour consistency	<6
Colour rendering index (CRI)	80
LLMF at end of nominal lifetime (nom.)	70 %
Luminous flux in 90° cone (rated)	621 lm
Operating and Electrical	
Line Frequency	50 to 60 Hz
Input frequency	50 to 60 Hz
Power Consumption	8 W
Lamp current (nom.)	900 mA
Wattage equivalent	50 W

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Starting time (nom.)	0.5 s	Energy consumption kWh/1,000 hours	9 kWh
Warm-up time to 60% light	Instant full light s	EyeComfort	Yes
Power Factor (Fraction)	0.7		
Voltage (nom.)	12 V	Product Data	
		Order product name	MAS LED
Temperature		Full product name	MAS LED
T-Case maximum (nom.)	105 °C	Full EOC	87186964
		Order code	4900130
Controls and Dimming		Material no. (12 NC)	92900114
Dimmable	Yes	Local order code	MLED8W
		SAP numerator - quantity per pack	1
Mechanical and Housing		EAN/UPC — Product/Case	87186964
Bulb shape	MR16 [2 inch/50 mm]	Numerator – packs per outer box	10
		EAN/UPC - Case	87186964
Approval and Application			
Suitable for accent lighting	Yes		

EyeComfort	Yes	
Product Data		
Order product name	MAS LEDspotLV D 8.0-50W 830 MR16 24D	
Full product name	MAS LEDspotLV D 8.0-50W 830 MR16 24D	
Full EOC	871869649001300	
Order code	49001300	
Material no. (12 NC)	929001149902	
Local order code	MLED8WGU533024D	
SAP numerator – quantity per pack	1	
EAN/UPC — Product/Case	8718696490013	
Numerator – packs per outer box	10	
EAN/UPC - Case	8718696490020	

#### Dimensional drawing



Product	D	С
MAS LEDspotLV D 8.0-50W 830 MR16 24D	51 mm	55 mm

#### Photometric data

120° × 180° × 120°



Light Distribution Diagram - MAS LEDspotLV D 8.0-50W 830 MR16 24D

Spectral Power Distribution Colour - MAS LEDspotLV D 8.0-50W 830 MR16 24D

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