



MASTER LEDspot LV

MAS LEDspotLV D 8-50W 827 MR16 24D

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

Product data

General Information		Operating and Electrical	
Cap-Base	GU5.3 [GU5.3]	Line Frequency	- Hz
Nominal lifetime	40,000 hour(s)	Input Frequency	- Hz
Switching Cycle	50,000	Power Consumption	8 W
Lighting Technology	LED	Lamp Current (Nom)	960 mA
EU RoHS compliant	Yes	Wattage Equivalent	50 W
Light Technical		Correlated Color Temperature (Nom)	2700 K
Color Code	827 [CCT of 2700K]	Luminous Efficacy (rated) (Nom)	77.00 lm/W
Beam Angle (Nom)	24 degree(s)	Color Consistency	<4
Luminous Flux	621 lm	Color rendering index (CRI)	80
Luminous Intensity (Nom)	3,100 cd	LLMF At End Of Nominal Lifetime (Nom)	70 %
Color Designation	Warm White (WW)	Luminous Flux in 90° Cone (Rated)	621 lm

MASTER LEDspot LV

Starting Time (Nom)	0.5 s
Warm-up time to 60% light	0.5 s
Power Factor (Fraction)	0.7
Voltage (Nom)	12 V

Temperature

T-Case Maximum (Nom)	100 °C
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Controls and Dimming

Dimmable	Yes
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Mechanical and Housing

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

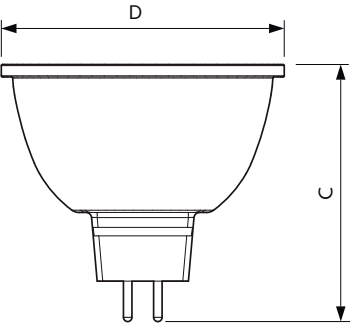
Suitable For Accent Lighting	Yes
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Energy Consumption kWh/1000 h	9 kWh
EyeComfort	Yes

Product Data

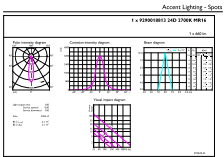
Order product name	MAS LEDspotLV D 8-50W 827 MR16 24D
Full product name	MAS LEDspotLV D 8-50W 827 MR16 24D
Full product code	871869681253200
Order code	929001881302
Material Nr. (12NC)	929001881302
Numerator - Quantity Per Pack	1
EAN/UPC - Product/Case	8718696812532
Numerator - Packs per outer box	10
EAN/UPC - Case	8718696812549

Dimensional drawing

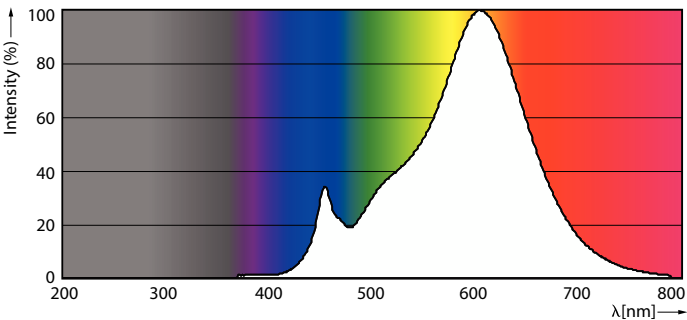


Product	D	C
MAS LEDspotLV D 8-50W 827 MR16 24D	50.5 mm	46.5 mm

Photometric data



Technical Information 12 Page 10 of 12



Accent Lighting Spots - MAS LEDspotLV D 8-50W 827 MR16 24D

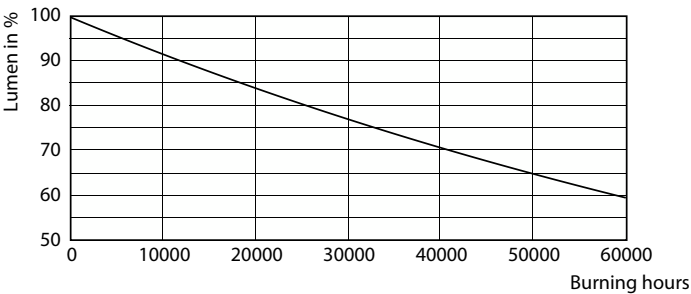
Spectral Power Distribution Colour - MAS LEDspotLV D 8-50W 827 MR16 24D

MASTER LEDspot LV

Photometric data

Light Distribution Diagram - MAS LEDspotLV D 8-50W 827 MR16 24D

Lifetime



Lumen Maintenance Diagram - MAS LEDspotLV D 8-50W 827 MR16 24D

Life Expectancy Diagram - MAS LEDspotLV D 8-50W 827 MR16 24D

