PHILIPS Lighting



MASTER LEDspot LV

MAS LEDspotLV D 8-50W 827 MR16 36D

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		
Cap-Base	GU5.3 [GU5.3]	
J RoHS compliant Yes		
Nominal Lifetime (Nom)	40000 h	
Switching Cycle	50000X	
Technical Type	8-50W	
Light Technical		
Color Code	827 [CCT of 2700K]	
Beam Angle (Nom)	36 °	
Luminous Flux (Nom)	621 lm	
Luminous Intensity (Nom)	1700 cd	
Color Designation	Warm White (WW)	

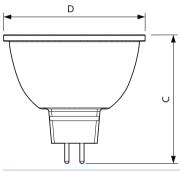
Correlated Color Temperature (Nom)	2700 K
Luminous Efficacy (rated) (Nom)	77.00 lm/W
Color Consistency	<4
Color Rendering Index (Nom)	80
LLMF At End Of Nominal Lifetime (Nom)	70 %
Luminous Flux in 90° Cone (Rated)	621 lm
Operating and Electrical	
Input Frequency	- Hz
Power (Nom)	8 W
Lamp Current (Nom)	960 mA
Wattage Equivalent	50 W
Starting Time (Nom)	0.5 s

MASTER LEDspot LV

Warm Up Time to 60% Light (Nom)	0.5 s	
Power Factor (Nom)	0.7	
Voltage (Nom)	12 V	
Temperature		
T-Case Maximum (Nom)	100 °C	
Controls and Dimming		
Dimmable	Yes	
Mechanical and Housing		
Bulb Shape	MR16 [2inch/50mm]	
Approval and Application		
Suitable For Accent Lighting	Yes	

Energy Consumption kWh/1000 h	9 kWh
Product Data	
Full product code	871869681267900
Order product name	MAS LEDspotLV D 8-50W 827 MR16 36D
EAN/UPC - Product	8718696812679
Order code	929001881602
Numerator - Quantity Per Pack	1
Numerator - Packs per outer box	10
Material Nr. (12NC)	929001881602
Net Weight (Piece)	0.052 kg

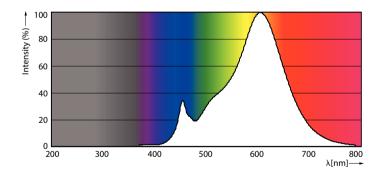
Dimensional drawing



Product	D	с
MAS LEDspotLV D 8-50W 827 MR16 36D	50.5 mm	46.5 mm

MR16 12V 8-50W 621lm 36D 2700K GU5.3 D

Photometric data



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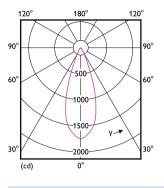
Calculat Processors 45 Prints Lighting B.V. Pripe 13

8-50W GU5-3 MR16

8-50W GU5-3 MR16 36D 827 2700K

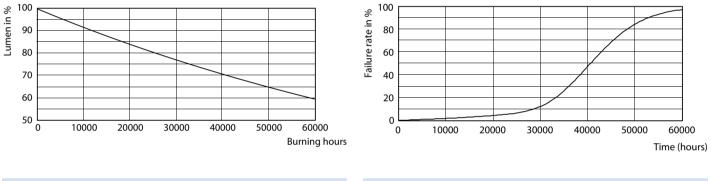
MASTER LEDspot LV

Photometric data



8-50W GU5-3 MR16 36D 827 2700K

Lifetime



7-50W GU5-3 MR16

7-50W GU5-3 MR16



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www.lighting.philips.com 2021, August 15 - data subject to change