



LED MR16

8MR16/LED/827/F35/DIM 12V 10/1FB

Philips LED MR-16 lamps with single optic technology provide the look and color quality of traditional halogens while using a fraction of the energy. A perfect fit for spot lighting, they are compatible with most existing fixtures with MR16 GU5.3 holders and are designed as a retrofit replacement for halogen or incandescent spots.

Product data

General information			
Cap-Base	GU5.3 [GU5.3]		
EU RoHS compliant	Yes		
Nominal Lifetime (Nom)	25000 h		
Switching Cycle	50000X		
Light technical			
Color Code	827 [CCT of 2700K]		
Beam Angle (Nom)	35 °		
Luminous Flux (Nom)	600 lm		
Luminous Intensity (Nom)	1700 cd		
Color Designation	Warm White (WW)		
Correlated Color Temperature (Nom)	2700 K		
Luminous Efficacy (rated) (Nom)	75.00 lm/W		
Color Consistency	<4		
Color Rendering Index (Nom)	80		
LLMF At End Of Nominal Lifetime (Nom)	70 %		
Operating and electrical			
Input Frequency	- Hz		
Power (Nom)	8 W		
Lamp Current (Nom)	720 mA		

Wattage Equivalent	75 W		
Starting Time (Nom)	0.5 s		
Warm Up Time to 60% Light (Nom)	0.5 s		
Power Factor (Nom)	0.7		
Voltage (Nom)	ac electronic 12 V		
Temperature			
T-Case Maximum (Nom)	93 ℃		
Controls and dimming			
Dimmable	Only with specific dimmers		
Mechanical and housing			
Bulb Finish	Clear		
Bulb Material	Aluminum		
Bulb Shape	MR16 [2inch/50mm]		
Approval and application			
Suitable For Accent Lighting	Yes		
Energy Certifications	Energy Star		

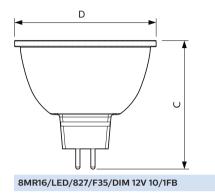
Datasheet, 2022, June 10 data subject to change

LED MR16

Product data	
Order product name	8MR16/LED/827/F35/DIM 12V 10/1FB
EAN/UPC - Product	046677573935
Order code	929003072704
Numerator - Quantity Per Pack	1

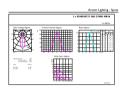
Numerator - Packs per outer box	10	
Material Nr. (12NC)	929003072704	
Net Weight (Piece)	0.060 kg	

Dimensional drawing



Product	D	С
8MR16/LED/827/F35/DIM 12V 10/1FB	50 mm	46.5 mm

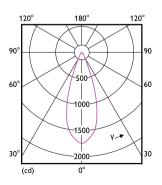
Photometric data





100 (8) 80 40 20 200 300 400 500 600 700 800 \(\lambda[\text{nm}]\) \(\text{\text{\text{\lambda}}}\)

LEDspots DIM IC 8W MR16 GU5,3 827 35D-ADL

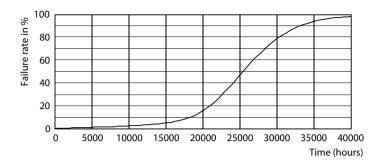


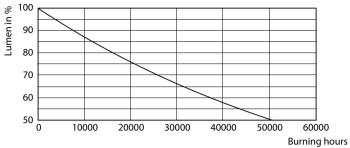
LEDspots DIM IC 8W MR16 GU5,3 827 35D-LDD

LEDspots DIM IC 8W MR16 GU5,3 827 25D-POC

LED MR16

Lifetime





Life Expectancy Diagram

Lumen Maintenance Diagram



© 2022 Signify Holding All rights reserved. Signify does not give any representation or warranty as to the accuracy or completeness of the information included herein and shall not be liable for any action in reliance thereon. The information presented in this document is not intended as any commercial offer and does not form part of any quotation or contract, unless otherwise agreed by Signify. Philips and the Philips Shield Emblem are registered trademarks of Koninklijke Philips N.V.