



# **LED MR16**

## 8MR16/LED/830/F25/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			
Base	GU5.3 [ GU5.3]		
EU RoHS compliant	Yes		
Nominal Lifetime (Nom)	25000 h		
Switching Cycle	50000X		
Light technical			
Color Code	830 [ CCT of 3000K]		
Beam Angle (Nom)	25 °		
Initial lumen (Nom)	620 lm		
Luminous Intensity (Nom)	3250 cd		
Color Designation	White (WH)		
Correlated Color Temperature (Nom)	3000 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 %		
Operating and electrical			
Input Frequency	- Hz		
Power (Rated) (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	
Dimmable	Only with specific dimmers	
Dimmable  Mechanical and housing	Only with specific dimmers	
	Only with specific dimmers  Clear	
Mechanical and housing		
Mechanical and housing Bulb Finish	Clear	
Mechanical and housing Bulb Finish Bulb Material	Clear Aluminum	
Mechanical and housing Bulb Finish Bulb Material	Clear Aluminum	
Mechanical and housing Bulb Finish Bulb Material Bulb Shape	Clear Aluminum	
Mechanical and housing Bulb Finish Bulb Material Bulb Shape  Approval and application	Clear Aluminum MR16 [ 2inch/50mm]	

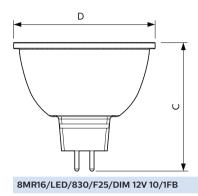
Datasheet, 2022, June 10 data subject to change

## **LED MR16**

Product data	
Order product name	8MR16/LED/830/F25/DIM 12V 10/1FB
EAN/UPC - Product	046677573911
Order code	573915
Numerator - Quantity Per Pack	1

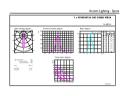
Numerator - Packs per outer box	10	
Material Nr. (12NC)	929003072604	
Net Weight (Piece)	0.060 kg	

## Dimensional drawing



Product	D	С
8MR16/LED/830/F25/DIM 12V 10/1FB	50 mm	46.5 mm

## Photometric data





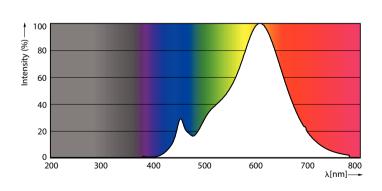
# 90° 90° 60° 60° 3000 7.•• 30° (cd) 0°

180°

120°

120°

## LEDspots DIM IC 8W MR16 GU5,3 830 25D-ADL

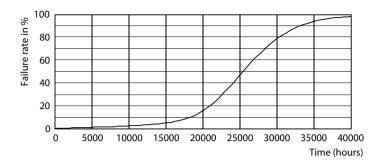


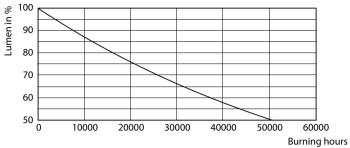
## LEDspots DIM IC 8W MR16 GU5,3 830 25D-POC

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

## **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.