



LED MR16

8.5MR16/LED/840/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	
Cap-Base	GU5.3 [GU5.3]
Nominal lifetime	25,000 hour(s)
Switching Cycle	50,000
Lighting Technology	LED
EU RoHS compliant	Yes
Light Technical	
Color Code	840 [CCT of 4000K]
Beam Angle (Nom)	25 degree(s)
Luminous Flux	660 lm
Luminous Intensity (Nom)	3,350 cd
Color Designation	Cool White (CW)
Correlated Color Temperature (Nom)	4000 K
Luminous Efficacy (rated) (Nom)	77.00 lm/W
Color Consistency	<4
Color rendering index (CRI)	80
LLMF At End Of Nominal Lifetime (Nom)	70 %
Operating and Electrical	
Line Frequency	- Hz
Input Frequency	- Hz

Power Consumption	8.5 W	
Lamp Current (Nom)	960 mA	
Wattage Equivalent	50 W	
Starting Time (Nom)	0.5 s	
Warm-up time to 60% light	0.5 s	
Power Factor (Fraction)	0.7	
Voltage (Nom)	ac electronic 12 V	
Temperature		
T-Case Maximum (Nom)	100 °C	
Controls and Dimming		
Dimmable	Yes	
Mechanical and Housing		
Bulb Finish	Clear	
Bulb Material	Aluminum	
Bulb Shape	MR16 [2inch/50mm]	
Approval and Application		
Suitable For Accent Lighting	Yes	

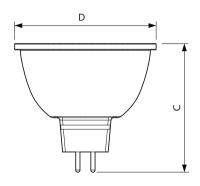
Datasheet, 2023, May 15 data subject to change

LED MR16

Energy Consumption kWh/1000 h	- kWh
Product Data	
Order product name	8.5MR16/LED/840/F25/DIM 12V 10/1FB
Full product name	8.5MR16/LED/840/F25/DIM 12V 10/1FB
Order code	533521
Material Nr. (12NC)	929001881504

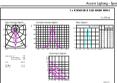
Numerator - Quantity Per Pack	1
EAN/UPC - Product/Case	046677533526
Numerator - Packs per outer box	10
EAN/UPC - Case	50046677533521

Dimensional drawing



Product	D	С
8.5MR16/LED/840/F25/DIM 12V 10/1FB	50.5 mm	46.5 mm

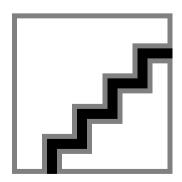
Photometric data



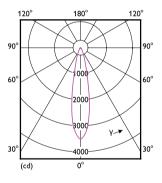


COLLEX PROGRESSION 4.5 PROJECT LIGHTING BLY. Page: 111

Accent Lighting Spots - 8.5MR16/LED/840/F25/DIM 12V 10/1FB



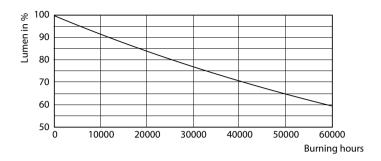
Spectral Power Distribution Colour - 8.5MR16/LED/840/F25/DIM 12V 10/1FB

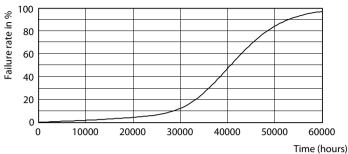


Light Distribution Diagram - 8.5MR16/LED/840/F25/DIM 12V 10/1FB

LED MR16

Lifetime





Lumen Maintenance Diagram - 8.5MR16/LED/840/F25/DIM 12V 10/1FB

Life Expectancy Diagram - 8.5MR16/LED/840/F25/DIM 12V 10/1FB



© 2023 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.