



# **LED MR16**

# 8.5MR16/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]
Nominal lifetime	25,000 hour(s)
Switching Cycle	50,000
Lighting Technology	LED
EU RoHS compliant	Yes
Light Technical	
Color Code	827 [CCT of 2700K]
Beam Angle (Nom)	35 degree(s)
Luminous Flux	600 lm
Luminous Intensity (Nom)	1,700 cd
Color Designation	Warm White (WW)
Correlated Color Temperature (Nom)	2700 K
Luminous Efficacy (rated) (Nom)	70.00 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)	212 °F	
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	

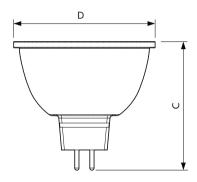
Datasheet, 2023, November 12 data subject to change

## **LED MR16**

Energy Consumption kWh/1000 h	- kWh
Product Data	
Order product name	8.5MR16/LED/827/F35/DIM 12V 10/1FB
Full product name	8.5MR16/LED/827/F35/DIM 12V 10/1FB
Order code	533182
Material Nr. (12NC)	929001881604

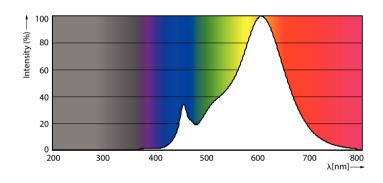
Numerator - Quantity Per Pack	1
EAN/UPC - Product/Case	046677533182
Numerator - Packs per outer box	10
EAN/UPC - Case	50046677533187

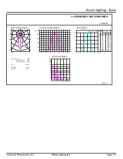
### Dimensional drawing



Product	D	С
8.5MR16/LED/827/F35/DIM 12V 10/1FB	2 inch	1-7/8 inch

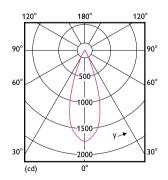
### Photometric data





Spectral Power Distribution Colour - 8.5MR16/LED/827/F35/DIM 12V 10/1FB

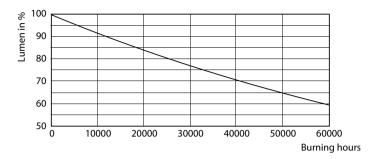
Accent Lighting Spots - 8.5MR16/LED/827/F35/DIM 12V 10/1FB

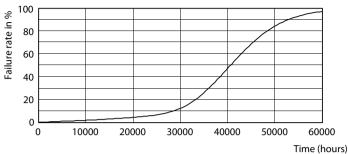


Light Distribution Diagram - 8.5MR16/LED/827/F35/DIM 12V 10/1FB

### **LED MR16**

#### Lifetime





Lumen Maintenance Diagram - 8.5MR16/LED/827/F35/DIM 12V 10/1FB

Life Expectancy Diagram - 8.5MR16/LED/827/F35/DIM 12V 10/1FB



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