# **PHILIPS** Lighting



# LED MR16

# 7.8MR16/PER/927/S10/Dim/EC/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	927	
Beam Angle (Nom)	10 degree(s)	
Luminous Flux	480 lm	
Luminous Intensity (Nom)	5,300 cd	
Color Designation	Warm White (WW)	
Correlated Color Temperature (Nom)	2700 К	
Luminous Efficacy (rated) (Nom)	61.00 lm/W	
Color Consistency	<3	
Color rendering index (CRI)	95	
LLMF At End Of Nominal Lifetime (Nom)	70 %	
Operating and Electrical		
Line Frequency	- Hz	
Input Frequency	- Hz	

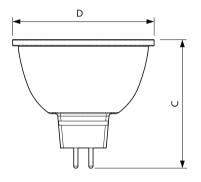
Power Consumption	7.8 W
Lamp Current (Nom)	880 mA
Wattage Equivalent	35 W
Starting Time (Nom)	0.5 s
Warm-up time to 60% light	0.5 s
Power Factor (Fraction)	0.7
Voltage (Nom)	ac electronic 12 V
Temperature	
T-Case Maximum (Nom)	221 °F
Controls and Dimming	
Dimmable	Yes
Mechanical and Housing	
Bulb Finish	Clear
Bulb Material	Aluminum
Bulb Shape	MR16 [2inch/50mm]
Approval and Application	
Suitable For Accent Lighting	Yes

# LED MR16

Energy Consumption kWh/1000 h	- kWh
Product Data	
Order product name	7.8MR16/PER/927/S10/Dim/EC/12V 10/1FB
Full product name	7.8MR16/PER/927/S10/Dim/EC/12V 10/1FB
Order code	470138
Material Nr. (12NC)	929001872504

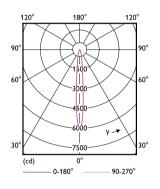
Numerator - Quantity Per Pack	1
EAN/UPC - Product/Case	046677470135
Numerator - Packs per outer box	10
EAN/UPC - Case	50046677470130

## **Dimensional drawing**

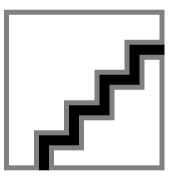


Product	D	с
7.8MR16/PER/927/S10/Dim/EC/12V 10/1FB	2-1/16 inch	1-13/16 inch

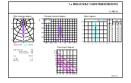
# Photometric data



Light Distribution Diagram - 7.8MR16/PER/927/S10/Dim/EC/12V 10/1FB



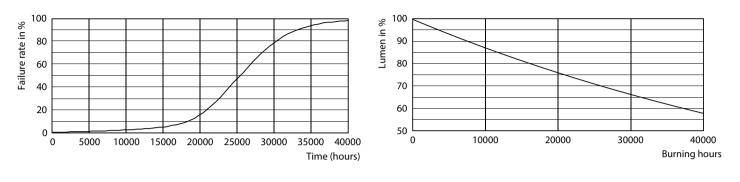
Spectral Power Distribution Colour - 7.8MR16/PER/927/S10/Dim/EC/12V 10/1FB



Accent Lighting Spots - 7.8MR16/PER/927/S10/Dim/EC/12V 10/1FB

# LED MR16

#### Lifetime



Life Expectancy Diagram - 7.8MR16/PER/927/S10/Dim/EC/12V 10/1FB

Lumen Maintenance Diagram - 7.8MR16/PER/927/S10/Dim/EC/12V 10/1FB



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