



LED MR16

7.8MR16/PER/927/F35/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)	35 degree(s)
Luminous Flux	480 lm
Luminous Intensity (Nom)	1,320 cd
Color Designation	Warm White (WW)
Correlated Color Temperature (Nom)	2700 K
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	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)	221 °F	
Controls and Dimming		
Dimmable	Yes	
Mechanical and Housing		
Bulb Finish	Clear	
Bulb Material	Plastic	
Bulb Shape	MR16 [2inch/50mm]	
Approval and Application		
Suitable For Accent Lighting	Yes	

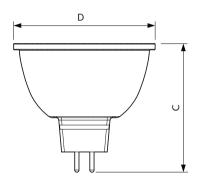
Datasheet, 2023, November 12 data subject to change

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Energy Consumption kWh/1000 h	- kWh	
Product Data		
Order product name	7.8MR16/PER/927/F35/Dim/EC/12V 10/1FB	
Full product name	7.8MR16/PER/927/F35/Dim/EC/12V 10/1FB	
Order code	470195	
Material Nr. (12NC)	929001873104	

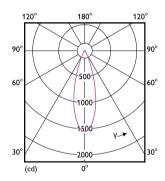
Numerator - Quantity Per Pack	1
EAN/UPC - Product/Case	046677470197
Numerator - Packs per outer box	10
EAN/UPC - Case	50046677470192

Dimensional drawing

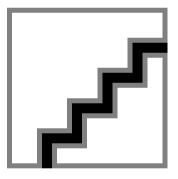


Product	D	С
7.8MR16/PER/927/F35/Dim/EC/12V 10/1FB	2-1/16 inch	1-13/16 inch

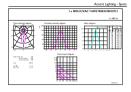
Photometric data







Spectral Power Distribution Colour - 7.8MR16/PER/927/F35/Dim/EC/12V 10/1FB

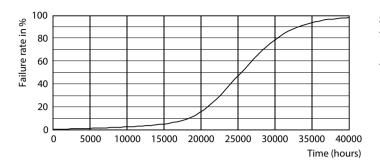


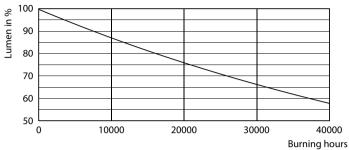
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Accent Lighting Spots - 7.8MR16/PER/927/F35/Dim/EC/12V 10/1FB

LED MR16

Lifetime





Life Expectancy Diagram - 7.8MR16/PER/927/F35/Dim/EC/12V 10/1FB

Lumen Maintenance Diagram - 7.8MR16/PER/927/F35/Dim/EC/12V 10/1FB



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