



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 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	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)	105 °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

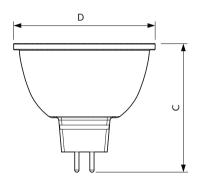
Datasheet, 2023, May 15 data subject to change

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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

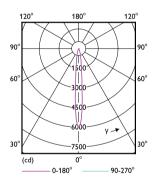
Numerator - Quantity Per Pack	1
EAN/UPC - Product/Case	046677470135
Numerator - Packs per outer box	10
EAN/UPC - Case	50046677470130

Dimensional drawing

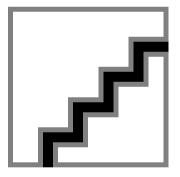


Product	D	С
7.8MR16/PER/927/S10/Dim/EC/12V 10/1FB	51 mm	46 mm

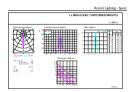
Photometric data



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

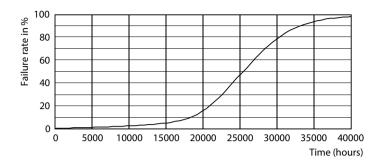


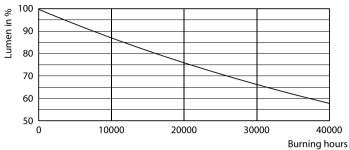
ACOULAN PROGRAMMENT TO PROPOSE AGENCY AND LIGHTING C.F. PAGE 111

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

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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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