



LED MR16

7.8MR16/PER/927/F25/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
Nominal lifetime	25,000 hour(s)
Switching Cycle	50,000
Lighting Technology	LED
Light Technical	
Color Code	927 [CCT of 2700K]
Beam Angle (Nom)	25 degree(s)
Luminous Flux	480 lm
Luminous Intensity (Nom)	2,330 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

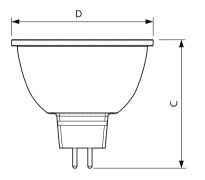
Lamp Current (Nom)	720 mA
Wattage Equivalent	50 W
Starting Time (Nom)	0.5 s
Warm-up time to 60% light	0.5 s
Power Factor (Fraction)	0.7
Voltage (Nom)	ac electronic 12 V
Temperature	
T-Case Maximum (Nom)	93 ℃
Controls and Dimming	
Dimmable	Only with specific dimmers
Dimmable	Only with specific dimmers
Dimmable Mechanical and Housing	Only with specific dimmers
	Only with specific dimmers
Mechanical and Housing	
Mechanical and Housing Bulb Finish	Clear
Mechanical and Housing Bulb Finish Bulb Material	Clear Aluminum
Mechanical and Housing Bulb Finish Bulb Material Bulb Shape	Clear Aluminum MR16
Mechanical and Housing Bulb Finish Bulb Material Bulb Shape UL Wet/ damp/ dry location	Clear Aluminum MR16 Damp location
Mechanical and Housing Bulb Finish Bulb Material Bulb Shape UL Wet/ damp/ dry location	Clear Aluminum MR16 Damp location
Mechanical and Housing Bulb Finish Bulb Material Bulb Shape UL Wet/ damp/ dry location Net Weight (Piece)	Clear Aluminum MR16 Damp location

LED MR16

EU RoHS compliant	Yes	
T20 compliant	No	
Application Conditions		
can it be used in closed luminaires	Yes	
Product Data		
Order product name	7.8MR16/PER/927/F25/Dim/EC/12V 10/1FB	
Full product name	7.8MR16/PER/927/F25/Dim/EC/12V 10/1FB	

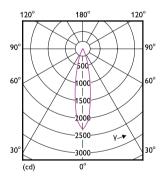
Order code	929003081004
Material Nr. (12NC)	929003081004
Numerator - Quantity Per Pack	1
EAN/UPC - Product/Case	046677573607
Numerator - Packs per outer box	10
EAN/UPC - Case	50046677573602

Dimensional drawing

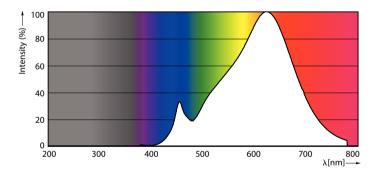


Product	D	С
7.8MR16/PER/927/F25/Dim/EC/12V 10/1FB	50.5 mm	46 mm

Photometric data



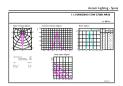
Light Distribution Diagram - 7.8MR16/PER/927/F25/Dim/EC/12V 10/1FB



Spectral Power Distribution Colour - 7.8MR16/PER/927/F25/Dim/EC/12V 10/1FB

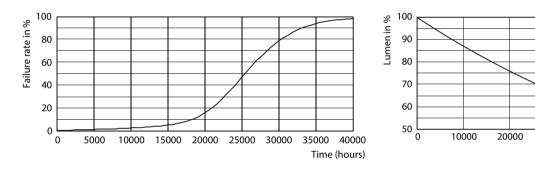
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Photometric data



Accent Lighting Spots - 7.8MR16/PER/927/F25/Dim/EC/12V 10/1FB

Lifetime



Life Expectancy Diagram

Lumen Maintenance Diagram - 7.8MR16/PER/927/F25/Dim/EC/12V 10/1FB

30000

40000

50000

60000

Burning hours



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