



LED MR16

7.8MR16/PER/930/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
Nominal lifetime	25,000 hour(s)
Switching Cycle	50,000
Lighting Technology	LED
Light Technical	
Color Code	930 [CCT of 3000K]
Beam Angle (Nom)	35 degree(s)
Luminous Flux	480 lm
Luminous Intensity (Nom)	1,320 cd
Color Designation	White (WH)
Correlated Color Temperature (Nom)	3000 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
Mechanical and Housing	
Bulb Finish	Clear
Bulb Material	Aluminum
Bulb Shape	MR16
UL Wet/ damp/ dry location	Damp location
Net Weight (Piece)	0.052 kg
Approval and Application	
Suitable For Accent Lighting	Yes

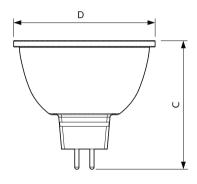
Datasheet, 2025, March 10 data subject to change

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/930/F35/Dim/EC/12V 10/1FB	
Full product name	7.8MR16/PER/930/F35/Dim/EC/12V 10/1FB	

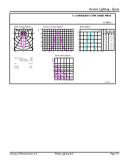
Order code	929003081404
Material Nr. (12NC)	929003081404
Numerator - Quantity Per Pack	1
EAN/UPC - Product/Case	046677573645
Numerator - Packs per outer box	10
EAN/UPC - Case	50046677573640

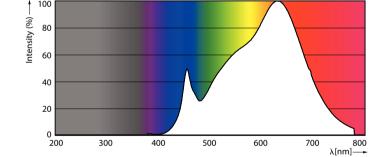
Dimensional drawing



Product	D	С
7.8MR16/PER/930/F35/Dim/EC/12V 10/1FB	50.5 mm	46 mm

Photometric data





Accent Lighting Spots - 7.8MR16/PER/930/F35/Dim/EC/12V 10/1FB

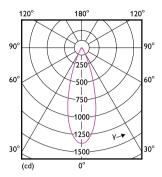
Spectral Power Distribution Colour - 7.8MR16/PER/930/F35/Dim/EC/12V 10/1FB

100

80

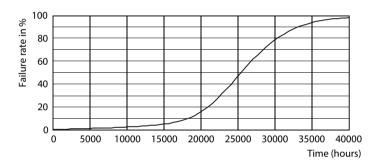
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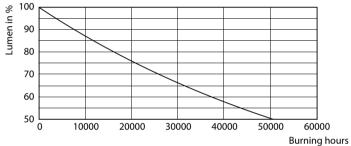
Photometric data



Light Distribution Diagram - 7.8MR16/PER/930/F35/Dim/EC/12V 10/1FB

Lifetime





Life Expectancy Diagram

Lumen Maintenance Diagram - 7.8MR16/PER/930/F35/Dim/EC/12V 10/1FB



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