



# **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 [GU5.3]
Nominal lifetime	25,000 hour(s)
Switching Cycle	50,000
Lighting Technology	LED
EU RoHS compliant	Yes
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 [2inch/50mm]
UL Wet/ damp/ dry location	Damp location
Approval and Application	
Suitable For Accent Lighting	Yes

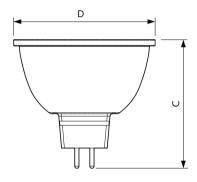
Datasheet, 2023, November 6 data subject to change

## **LED MR16**

Energy Certifications	Energy Star	
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	

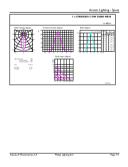
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Material Nr. (12NC)	929003081404
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Numerator - Packs per outer box	10
EAN/UPC - Case	50046677573640

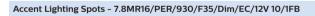
## Dimensional drawing

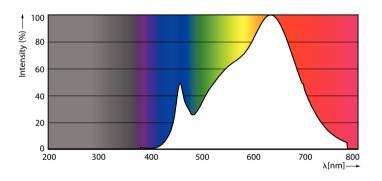


Product	D	С
7.8MR16/PER/930/F35/Dim/EC/12V 10/1FB	50.5 mm	46 mm

#### Photometric data



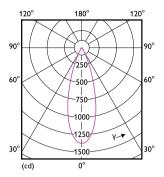




Spectral Power Distribution Colour - 7.8MR16/PER/930/F35/Dim/EC/12V 10/1FB

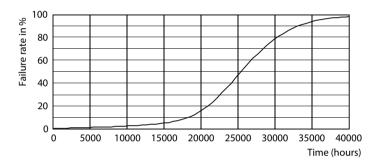
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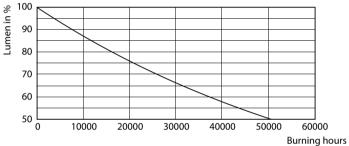
#### Photometric data



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

#### Lifetime





Life Expectancy Diagram - 7.8MR16/PER/930/F35/Dim/EC/12V 10/1FB

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



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