



# **LED MR16**

# 7.8MR16/PER/940/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 [GU5.3]	
Nominal lifetime	25,000 hour(s)	
Switching Cycle	50,000	
Lighting Technology	LED	
EU RoHS compliant	Yes	
Light Technical		
Color Code	940 [CCT of 4000K]	
Beam Angle (Nom)	25 degree(s)	
Luminous Flux	540 lm	
Luminous Intensity (Nom)	2,600 cd	
Color Designation	Cool White (CW)	
Correlated Color Temperature (Nom)	4000 K	
Luminous Efficacy (rated) (Nom)	69.00 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

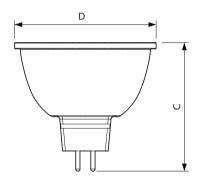
Datasheet, 2023, November 12 data subject to change

## **LED MR16**

Energy Consumption kWh/1000 h	- kWh	
Product Data		
Order product name	7.8MR16/PER/940/F25/Dim/EC/12V 10/1FB	
Full product name	7.8MR16/PER/940/F25/Dim/EC/12V 10/1FB	
Order code	470187	
Material Nr. (12NC)	929001873004	

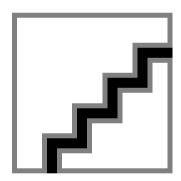
Numerator - Quantity Per Pack	1
EAN/UPC - Product/Case	046677470180
Numerator - Packs per outer box	10
EAN/UPC - Case	50046677470185

## Dimensional drawing

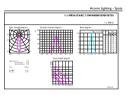


Product	D	С
7.8MR16/PER/940/F25/Dim/EC/12V 10/1FB	2-1/16 inch	1-13/16 inch

#### Photometric data

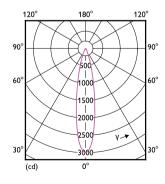






OutuA Photometrics 45 Philips Lighting B.V. Fage: UT

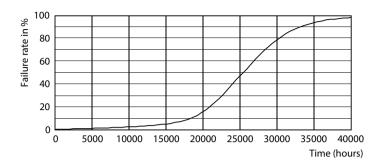
#### Accent Lighting Spots - 7.8MR16/PER/940/F25/Dim/EC/12V 10/1FB

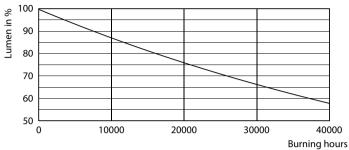


Light Distribution Diagram - 7.8MR16/PER/940/F25/Dim/EC/12V 10/1FB

#### **LED MR16**

#### Lifetime





Life Expectancy Diagram - 7.8MR16/PER/940/F25/Dim/EC/12V 10/1FB

Lumen Maintenance Diagram - 7.8MR16/PER/940/F25/Dim/EC/12V 10/1FB



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