



# **LED MR16**

## 7MR16/LED/830/F35/DIM 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	830 [CCT of 3000K]
Beam Angle (Nom)	35 degree(s)
Luminous Flux	515 lumen
Luminous Intensity (Nom)	1,350 cd
Color Designation	White (WH)
Correlated Color Temperature (Nom)	3000 K
Luminous Efficacy (rated) (Nom)	73.00 lm/W
Color Consistency	<4
Color rendering index (CRI)	80
LLMF At End Of Nominal Lifetime (Nom)	70 %
Operating and Electrical	
Line Frequency	- Hz
Input Frequency	- Hz

Power Consumption	7 W	
Lamp Current (Nom)	650 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)	90 °C	
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	

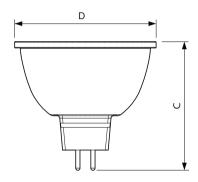
Datasheet, 2023, November 6 data subject to change

## **LED MR16**

Energy Certifications	Energy Star	
T20 compliant	No	
Application Conditions		
can it be used in closed luminaires	Yes	
Product Data		
Order product name	7MR16/LED/830/F35/DIM 12V 10/1FB	
Order code	929003076504	

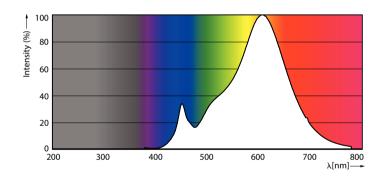
Numerator - Quantity Per Pack	1
Numerator - Packs per outer box	10
Material Nr. (12NC)	929003076504
Full product name	7MR16/LED/830/F35/DIM 12V 10/1FB
EAN/UPC - Case	50046677573893
EAN/UPC - Product/Case	046677573898

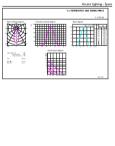
## Dimensional drawing



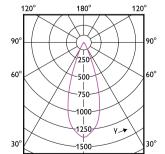
Product	D	С
7MR16/LED/830/F35/DIM 12V 10/1FB	50 mm	46.5 mm

#### Photometric data





Spectral Power Distribution Colour - 7MR16/LED/830/F35/DIM 12V 10/1FB

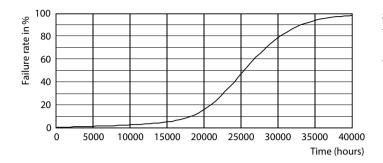


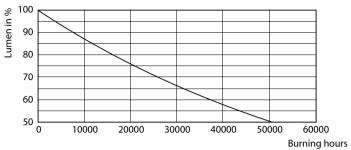
Light Distribution Diagram - 7MR16/LED/830/F35/DIM 12V 10/1FB

Accent Lighting Spots - 7MR16/LED/830/F35/DIM 12V 10/1FB

### **LED MR16**

#### Lifetime





Life Expectancy Diagram - 7MR16/LED/830/F35/DIM 12V 10/1FB

Lumen Maintenance Diagram - 7MR16/LED/830/F35/DIM 12V 10/1FB



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