



# LED MR16

### 7MR16/LED/827/F25/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
Nominal lifetime	25,000 hour(s)
Switching Cycle	50,000
Lighting Technology	LED
EU RoHS compliant	Yes
Light Technical	
Color Code	827 [CCT of 2700K]
Beam Angle (Nom)	25 degree(s)
Luminous Flux	515 lm
Luminous Intensity (Nom)	2,400 cd
Color Designation	Warm White (WW)
Correlated Color Temperature (Nom)	2700 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 ℃	
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	
Approval and Application		
Suitable For Accent Lighting	Yes	

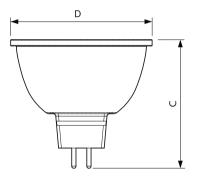
#### LED MR16

Energy Certifications	Energy Star	
T20 compliant	No	
Application Conditions		
can it be used in closed luminaires	Yes	
Product Data		
Order product name	7MR16/LED/827/F25/DIM 12V 10/1FB	
Full product name	7MR16/LED/827/F25/DIM 12V 10/1FB	

Order code	929003076204	
Material Nr. (12NC)	929003076204	
Numerator - Quantity Per Pack	1	
EAN/UPC - Product/Case	046677573867	
Numerator - Packs per outer box	10	
EAN/UPC - Case	50046677573862	

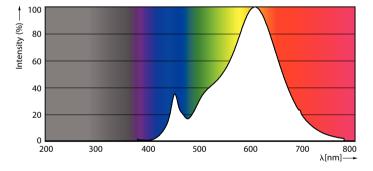
#### Dimensional drawing

Photometric data



Product	D	с
7MR16/LED/827/F25/DIM 12V 10/1FB	50 mm	46.5 mm

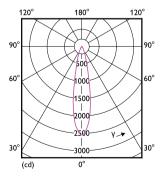
## 



Spectral Power Distribution Colour - 7MR16/LED/827/F25/DIM 12V 10/1FB

Global/ Phonemetria 4.5 Philips Lighting B.V. Page: UT

#### Accent Lighting Spots - 7MR16/LED/827/F25/DIM 12V 10/1FB



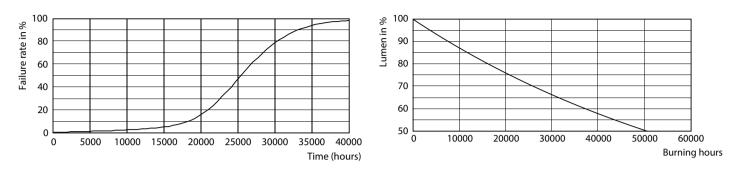
Light Distribution Diagram - 7MR16/LED/827/F25/DIM 12V 10/1FB

Datasheet, 2024, January 5

2

#### LED MR16

#### Lifetime



Life Expectancy Diagram - 7MR16/LED/827/F25/DIM 12V 10/1FB

Lumen Maintenance Diagram - 7MR16/LED/827/F25/DIM 12V 10/1FB



© 2024 Signify Holding All rights reserved. Signify does not give any representation or warranty as to the accuracy or completeness of the information included herein and shall not be liable for any action in reliance thereon. The information presented in this document is not intended as any commercial offer and does not form part of any quotation or contract, unless otherwise agreed by Signify. Philips and the Philips Shield Emblem are registered trademarks of Koninklijke Philips N.V.