



# LED MR16

## 7.8MR16/PER/927/S10/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

<b>General Information</b>		<b>Power Consumption</b>	
Cap-Base	GU5.3 [GU5.3]	Lamp Current (Nom)	720 mA
Nominal lifetime	25,000 hour(s)	Wattage Equivalent	35 W
Switching Cycle	50,000	Starting Time (Nom)	0.5 s
Lighting Technology	LED	Warm-up time to 60% light	0.5 s
EU RoHS compliant	Yes	Power Factor (Fraction)	0.7
<b>Light Technical</b>		Voltage (Nom)	ac electronic 12 V
Color Code	927 [CCT of 2700K]	<b>Temperature</b>	
Beam Angle (Nom)	10 degree(s)	T-Case Maximum (Nom)	93 °C
Luminous Flux	480 lm	<b>Controls and Dimming</b>	
Luminous Intensity (Nom)	5,300 cd	Dimmable	Only with specific dimmers
Color Designation	Warm White (WW)	<b>Mechanical and Housing</b>	
Correlated Color Temperature (Nom)	2700 K	Bulb Finish	Clear
Luminous Efficacy (rated) (Nom)	61.00 lm/W	Bulb Material	Aluminum
Color Consistency	<3	Bulb Shape	MR16 [2inch/50mm]
Color rendering index (CRI)	95	UL Wet/ damp/ dry location	Damp location
LLMF At End Of Nominal Lifetime (Nom)	70 %	<b>Approval and Application</b>	
<b>Operating and Electrical</b>		Suitable For Accent Lighting	Yes
Line Frequency	- Hz		
Input Frequency	- Hz		

LED MR16

Energy Certifications	Energy Star
T20 compliant	No

Application Conditions

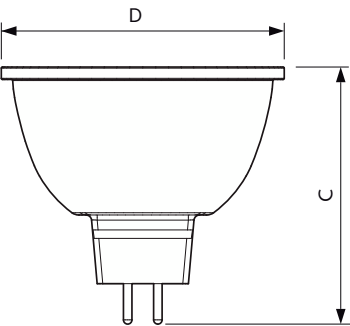
can it be used in closed luminaires	Yes
-------------------------------------	-----

Product Data

Order product name	7.8MR16/PER/927/S10/Dim/EC/12V 10/1FB
Full product name	7.8MR16/PER/927/S10/Dim/EC/12V 10/1FB

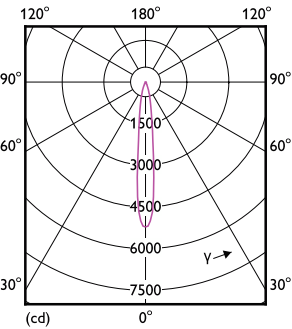
Order code	929003080704
Material Nr. (12NC)	929003080704
Numerator - Quantity Per Pack	1
EAN/UPC - Product/Case	046677573577
Numerator - Packs per outer box	10
EAN/UPC - Case	50046677573572

Dimensional drawing

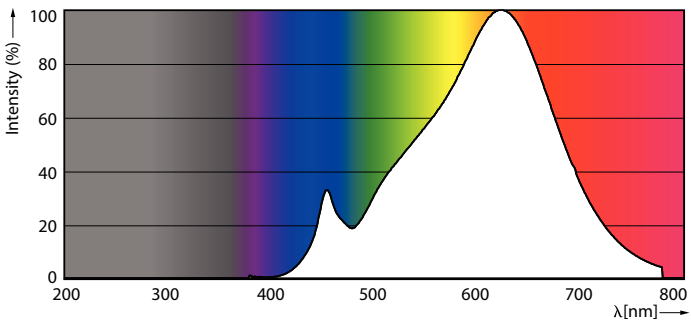


Product	D	C
7.8MR16/PER/927/S10/Dim/EC/12V 10/1FB	50.5 mm	46 mm

Photometric data



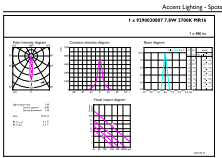
Light Distribution Diagram - 7.8MR16/PER/927/S10/Dim/EC/12V 10/1FB



Spectral Power Distribution Colour - 7.8MR16/PER/927/S10/Dim/EC/12V 10/1FB

LED MR16

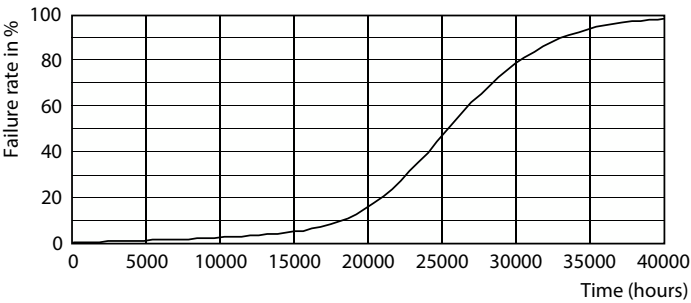
Photometric data



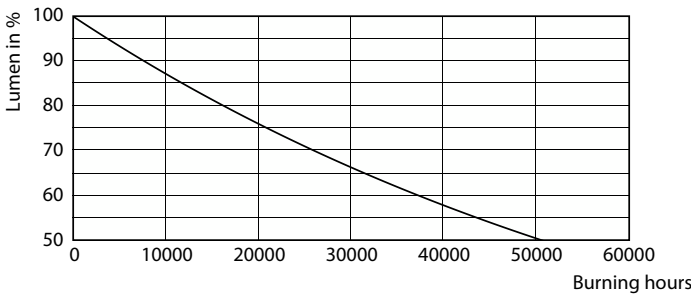
Technical Information 1.1 Philips Lighting B.V. Page 10

Accent Lighting Spots - 7.8MR16/PER/927/S10/Dim/EC/12V 10/1FB

Lifetime



Life Expectancy Diagram - 7.8MR16/PER/927/S10/Dim/EC/12V 10/1FB



Lumen Maintenance Diagram - 7.8MR16/PER/927/S10/Dim/EC/12V 10/1FB

