LED MR16

7.8MR16/PER/930/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.
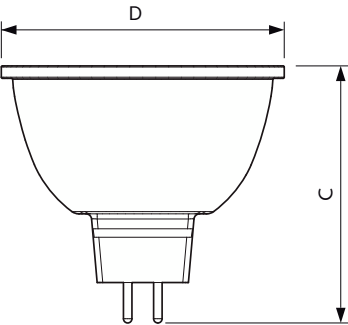
Product data

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	930 [CCT of 3000K]
Beam Angle (Nom)	25 degree(s)
Luminous Flux	480 lm
Luminous Intensity (Nom)	2,330 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)	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)	105 °C

Controls and Dimming

Dimmable	Yes

Mechanical and Housing

Bulb Finish	Clear
Bulb Material	Aluminum
Bulb Shape	MR16 [2inch/50mm]

Approval and Application

Suitable For Accent Lighting	Yes

LED MR16

Energy Consumption kWh/1000 h	– kWh		**Numerator – Quantity Per Pack**	1
			EAN/UPC – Product/Case	046677470173
Product Data			**Numerator – Packs per outer box**	10
Order product name	7.8MR16/PER/930/F25/Dim/EC/12V 10/1FB		**EAN/UPC – Case**	50046677470178
Full product name	7.8MR16/PER/930/F25/Dim/EC/12V 10/1FB			
Order code	929001872904			
Material Nr. (12NC)	929001872904			

Dimensional drawing

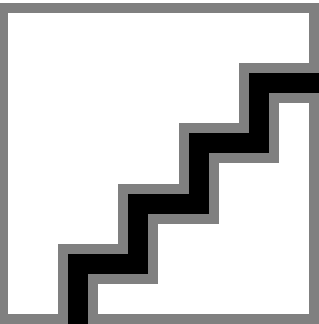

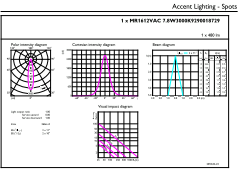| Product	D	C
7.8MR16/PER/930/F25/Dim/EC/12V 10/1FB	51 mm	46 mm

Photometric data
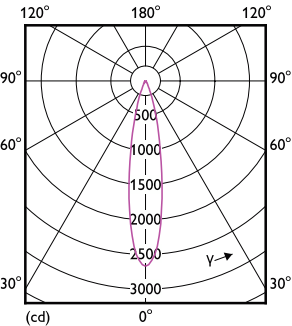
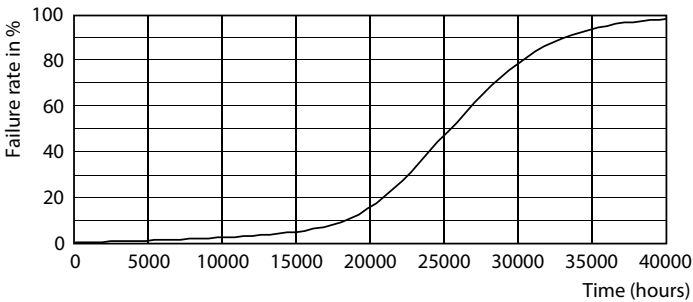Light Distribution Diagram – 7.8MR16/PER/930/F25/Dim/EC/12V 10/1FB

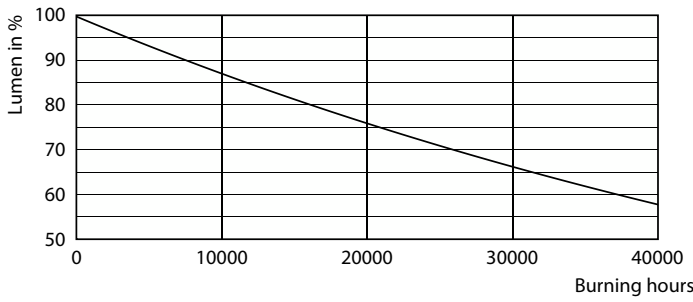Spectral Power Distribution Colour – 7.8MR16/PER/930/F25/Dim/EC/12V 10/1FB

Accent Lighting Spots – 7.8MR16/PER/930/F25/Dim/EC/12V 10/1FB

LED MR16

Lifetime

Life Expectancy Diagram – 7.8MR16/PER/930/F25/Dim/EC/12V 10/1FB

Lumen Maintenance Diagram – 7.8MR16/PER/930/F25/Dim/EC/12V 10/1FB

www.lighting.philips.com

2023, November 12 – data subject to change