



LED MR16

7.8MR16/PER/940/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

General Information	
Cap-Base	GU5.3
Nominal lifetime	25,000 hour(s)
Switching Cycle	50,000
Lighting Technology	LED
Light Technical	
Color Code	940 [CCT of 4000K]
Beam Angle (Nom)	10 degree(s)
Luminous Flux	540 lm
Luminous Intensity (Nom)	5,900 cd
Luminous Efficacy (rated) (Nom)	69.00 lm/W
Color Designation	Cool White (CW)
Correlated Color Temperature (Nom)	4000 K
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

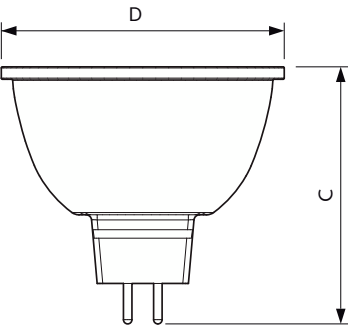
Lamp Current (Nom)	720 mA
Wattage Equivalent	35 W
Starting Time (Nom)	0.5 s
Warm-up time to 60% light	0.5 s
Power Factor (Fraction)	0.7
Voltage (Nom)	ac electronic 12 V
Temperature	
T-Case Maximum (Nom)	93 °C
Controls and Dimming	
Dimmable	Only with specific dimmers
Mechanical and Housing	
Bulb Finish	Clear
Bulb Material	Aluminum
Bulb Shape	MR16
Approval and Application	
Suitable For Accent Lighting	Yes
EU RoHS compliant	Yes

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Product Data	
Order product name	7.8MR16/PER/940/S10/Dim/EC/12V 10/1FB
Full product name	7.8MR16/PER/940/S10/Dim/EC/12V 10/1FB
Order code	929003080904
Material Nr. (12NC)	929003080904
Numerator - Quantity Per Pack	1

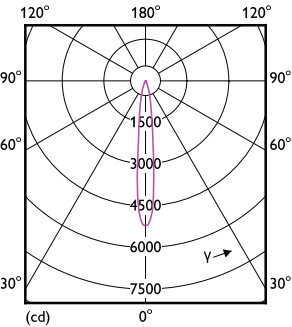
Net Weight (Piece)	0.052 kg
EAN/UPC - Product/Case	046677573591
Numerator - Packs per outer box	10
EAN/UPC - Case	50046677573596

Dimensional drawing

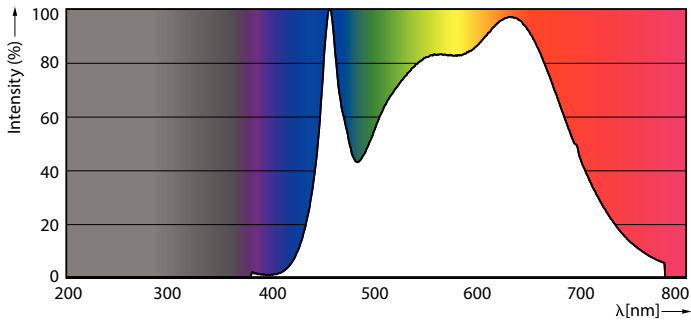


Product	D	C
7.8MR16/PER/940/S10/Dim/EC/12V 10/1FB	50.5 mm	46 mm

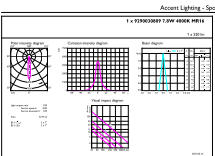
Photometric data



Light Distribution Diagram - 7.8MR16/PER/940/S10/Dim/EC/12V 10/1FB



Spectral Power Distribution Colour - 7.8MR16/PER/940/S10/Dim/EC/12V 10/1FB

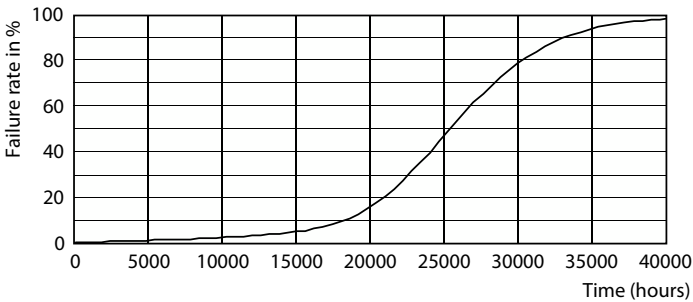


Vertical Resolution 1.1 Horizontal Resolution 1.1 Page 11

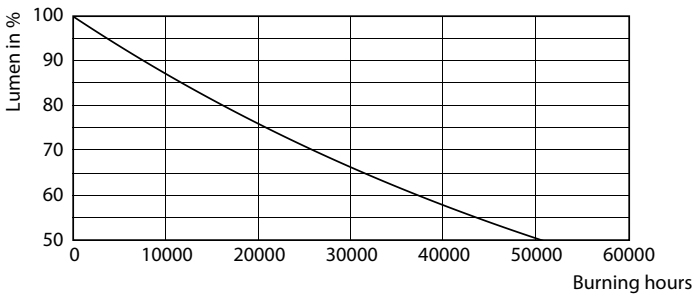
Accent Lighting Spots - 7.8MR16/PER/940/S10/Dim/EC/12V 10/1FB

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Lifetime



Life Expectancy Diagram



Lumen Maintenance Diagram - 7.8MR16/PER/940/S10/Dim/EC/12V 10/1FB

