



# LED MR16

## 7.8MR16/PER/940/F35/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	940 [CCT of 4000K]
Beam Angle (Nom)	35 degree(s)
Luminous Flux	540 lm
Luminous Intensity (Nom)	1,450 cd
Color Designation	Cool White (CW)
Correlated Color Temperature (Nom)	4000 K
Luminous Efficacy (rated) (Nom)	69.00 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

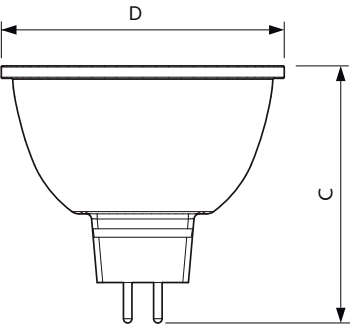
Power Consumption	7.8 W
Lamp Current (Nom)	880 mA
Wattage Equivalent	50 W
Starting Time (Nom)	0.5 s
Warm-up time to 60% light	0.5 s
Power Factor (Fraction)	0.7
Voltage (Nom)	ac electronic 12 V
Temperature	
T-Case Maximum (Nom)	221 °F
Controls and Dimming	
Dimmable	Yes
Mechanical and Housing	
Bulb Finish	Clear
Bulb Material	Aluminum
Bulb Shape	MR16 [2inch/50mm]
Approval and Application	
Suitable For Accent Lighting	Yes

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Energy Consumption kWh/1000 h	- kWh
Product Data	
Order product name	7.8MR16/PER/940/F35/Dim/EC/12V 10/1FB
Full product name	7.8MR16/PER/940/F35/Dim/EC/12V 10/1FB
Order code	470211
Material Nr. (12NC)	929001873304

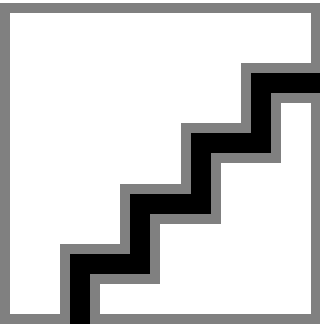
Numerator - Quantity Per Pack	1
EAN/UPC - Product/Case	046677470210
Numerator - Packs per outer box	10
EAN/UPC - Case	50046677470215

Dimensional drawing

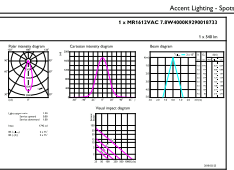


Product	D	C
7.8MR16/PER/940/F35/Dim/EC/12V 10/1FB	2-1/16 inch	1-13/16 inch

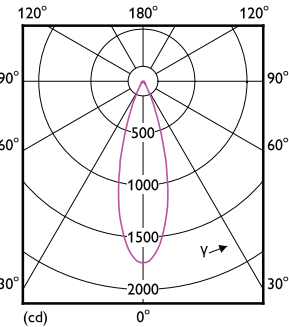
Photometric data



Spectral Power Distribution Colour - 7.8MR16/PER/940/F35/Dim/EC/12V 10/1FB



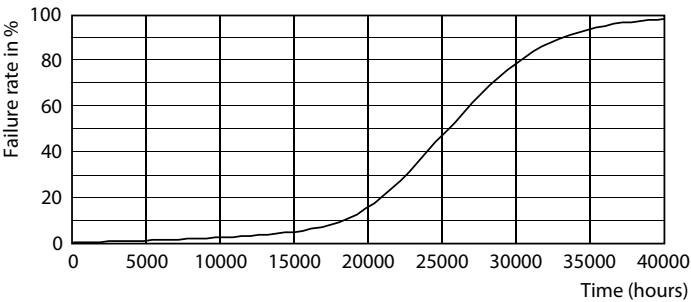
Accent Lighting Spots - 7.8MR16/PER/940/F35/Dim/EC/12V 10/1FB



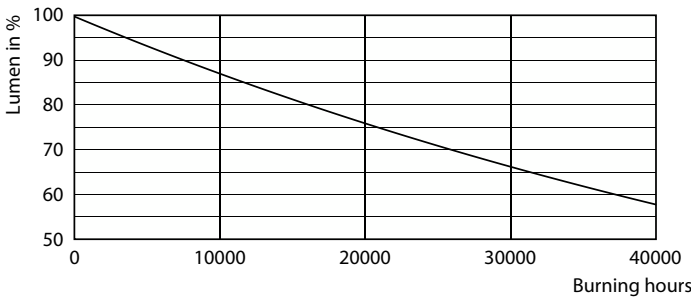
Light Distribution Diagram - 7.8MR16/PER/940/F35/Dim/EC/12V 10/1FB

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Lifetime



Life Expectancy Diagram - 7.8MR16/PER/940/F35/Dim/EC/12V 10/1FB



Lumen Maintenance Diagram - 7.8MR16/PER/940/F35/Dim/EC/12V 10/1FB

