PHILIPS Lighting



LED MR16

8MR16/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
Light Technical	
Color Code	827 [CCT of 2700K]
Beam Angle (Nom)	25 degree(s)
Luminous Flux	600 lm
Luminous Intensity (Nom)	3,100 cd
Color Designation	Warm White (WW)
Correlated Color Temperature (Nom)	2700 K
Luminous Efficacy (rated) (Nom)	75.00 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	8 W

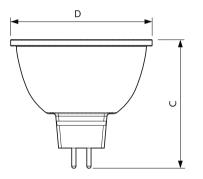
Lamp Current (Nom)	720 mA
Wattage Equivalent	75 W
Starting Time (Nom)	0.5 s
Warm-up time to 60% light	0.5 s
Power Factor (Fraction)	0.7
Voltage (Nom)	ac electronic 12 V
Temperature	
T-Case Maximum (Nom)	93 °C
Controls and Dimming	
-	
Dimmable	Only with specific dimmers
Dimmable	Only with specific dimmers
Dimmable Mechanical and Housing	Only with specific dimmers
	Only with specific dimmers
Mechanical and Housing	
Mechanical and Housing Bulb Finish	Clear
Mechanical and Housing Bulb Finish Bulb Material	Clear Aluminum
Mechanical and Housing Bulb Finish Bulb Material Bulb Shape	Clear Aluminum MR16
Mechanical and Housing Bulb Finish Bulb Material Bulb Shape UL Wet/ damp/ dry location	Clear Aluminum MR16 Damp location
Mechanical and Housing Bulb Finish Bulb Material Bulb Shape UL Wet/ damp/ dry location	Clear Aluminum MR16 Damp location
Mechanical and Housing Bulb Finish Bulb Material Bulb Shape UL Wet/ damp/ dry location Net Weight (Piece)	Clear Aluminum MR16 Damp location

LED MR16

EU RoHS compliant	Yes
T20 compliant	No
Application Conditions	
can it be used in closed luminaires	Yes
Product Data	
Order product name	8MR16/LED/827/F25/DIM 12V 10/1FB
Full product name	8MR16/LED/827/F25/DIM 12V 10/1FB

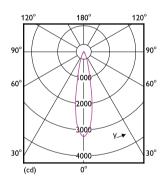
Order code	929003072504
Material Nr. (12NC)	929003072504
Numerator - Quantity Per Pack	1
EAN/UPC - Product/Case	046677573904
Numerator - Packs per outer box	10
EAN/UPC - Case	50046677573909

Dimensional drawing

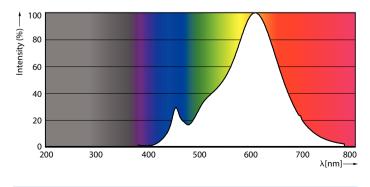


Product	D	с
8MR16/LED/827/F25/DIM 12V 10/1FB	50 mm	46.5 mm

Photometric data



Light Distribution Diagram - 8MR16/LED/827/F25/DIM 12V 10/1FB



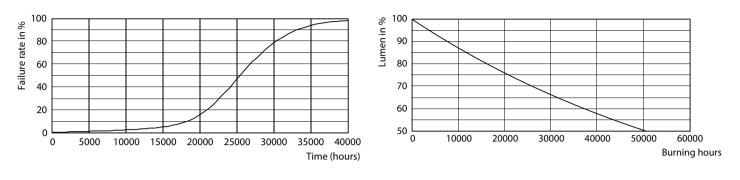
Spectral Power Distribution Colour - 8MR16/LED/827/F25/DIM 12V 10/1FB

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Accent Lighting Spots - 8MR16/LED/827/F25/DIM 12V 10/1FB

LED MR16

Lifetime



Life Expectancy Diagram

Lumen Maintenance Diagram - 8MR16/LED/827/F25/DIM 12V 10/1FB



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