



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
Mechanical and Housing	
Bulb Finish	Clear
Bulb Material	Aluminum
Bulb Shape	MR16
UL Wet/ damp/ dry location	Damp location
Net Weight (Piece)	0.060 kg
Approval and Application	
Suitable For Accent Lighting	Yes

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EU RoHS compliant	Yes
T20 compliant	No

Application Conditions

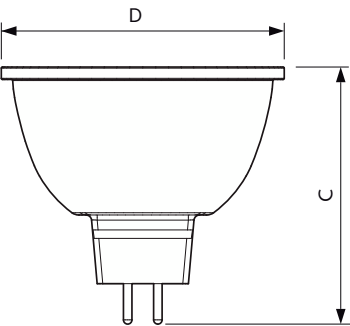
can it be used in closed luminaires	Yes
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Product Data

Order product name	8MR16/LED/827/F25/DIM 12V 10/1FB
Full product name	8MR16/LED/827/F25/DIM 12V 10/1FB

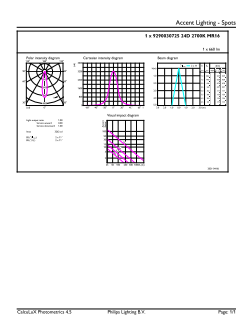
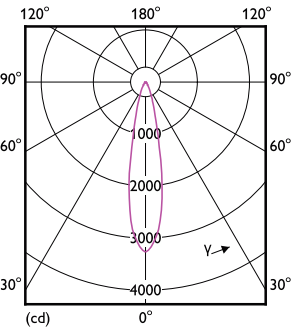
Order code	929003072504
Material Nr. (12NC)	929003072504
Numerator - Quantity Per Pack	1
EAN/UPC - Product/Case	046677573904
Numerator - Packs per outer box	10
EAN/UPC - Case	50046677573909

Dimensional drawing



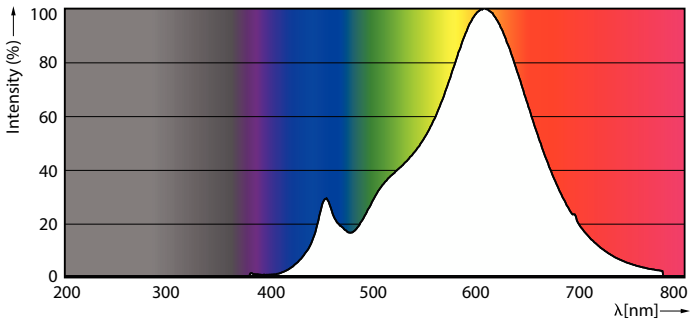
Product	D	C
8MR16/LED/827/F25/DIM 12V 10/1FB	50 mm	46.5 mm

Photometric data



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

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



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

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Lifetime



Life Expectancy Diagram



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

