



# LED MR16

## 8.5MR16/LED/827/F35/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

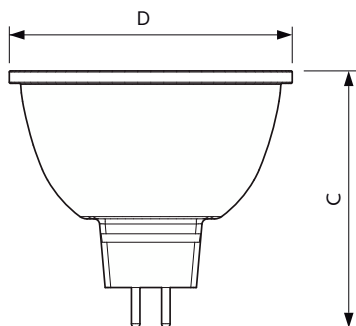
<b>General Information</b>		<b>Power Consumption</b>	
Cap-Base	GU5.3 [GU5.3]		8.5 W
Nominal lifetime	25,000 hour(s)	Lamp Current (Nom)	960 mA
Switching Cycle	50,000	Wattage Equivalent	50 W
Lighting Technology	LED	Starting Time (Nom)	0.5 s
EU RoHS compliant	Yes	Warm-up time to 60% light	0.5 s
<b>Light Technical</b>		Power Factor (Fraction)	0.7
Color Code	827 [CCT of 2700K]	Voltage (Nom)	ac electronic 12 V
Beam Angle (Nom)	35 degree(s)	<b>Temperature</b>	
Luminous Flux	600 lm	T-Case Maximum (Nom)	100 °C
Luminous Intensity (Nom)	1,700 cd	<b>Controls and Dimming</b>	
Color Designation	Warm White (WW)	Dimmable	Yes
Correlated Color Temperature (Nom)	2700 K	<b>Mechanical and Housing</b>	
Luminous Efficacy (rated) (Nom)	70.00 lm/W	Bulb Finish	Clear
Color Consistency	<4	Bulb Material	Aluminum
Color rendering index (CRI)	80	Bulb Shape	MR16 [2inch/50mm]
LLMF At End Of Nominal Lifetime (Nom)	70 %	<b>Approval and Application</b>	
<b>Operating and Electrical</b>		Suitable For Accent Lighting	Yes
Line Frequency	- Hz		
Input Frequency	- Hz		

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Energy Consumption kWh/1000 h	- kWh
<b>Product Data</b>	
Order product name	8.5MR16/LED/827/F35/DIM 12V 10/1FB
Full product name	8.5MR16/LED/827/F35/DIM 12V 10/1FB
Order code	533182
Material Nr. (12NC)	929001881604

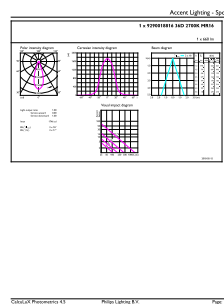
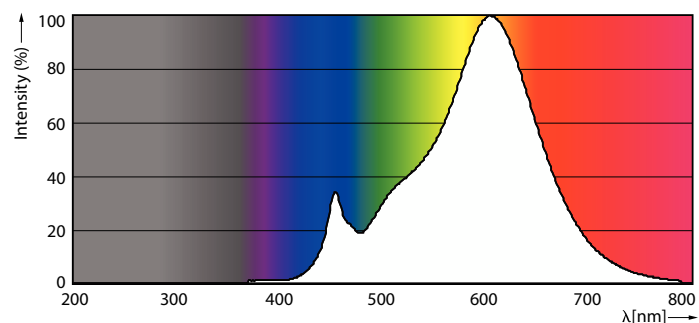
Numerator - Quantity Per Pack	1
EAN/UPC - Product/Case	046677533182
Numerator - Packs per outer box	10
EAN/UPC - Case	50046677533187

## Dimensional drawing



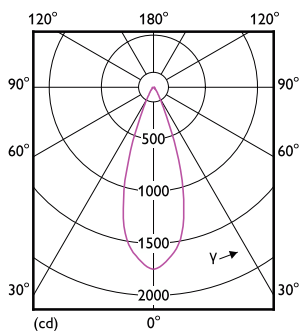
Product	D	C
8.5MR16/LED/827/F35/DIM 12V 10/1FB	50.5 mm	46.5 mm

## Photometric data



**Spectral Power Distribution Colour - 8.5MR16/LED/827/F35/DIM 12V 10/1FB**

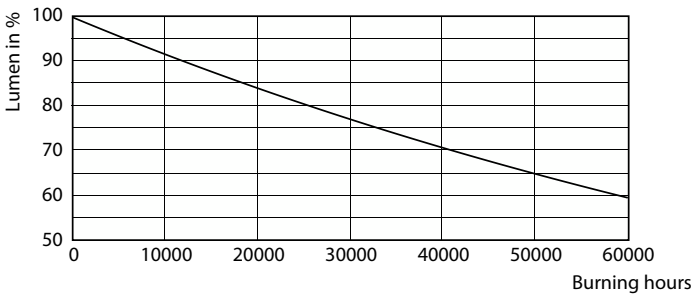
Accent Lighting Spots - 8.5MR16/LED/827/F35/DIM 12V 10/1FB



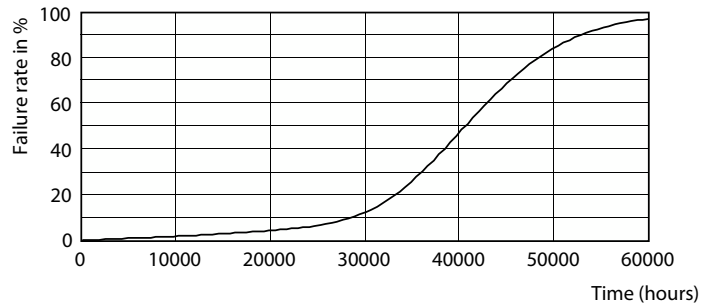
**Light Distribution Diagram - 8.5MR16/LED/827/F35/DIM 12V 10/1FB**

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Lifetime



Lumen Maintenance Diagram - 8.5MR16/LED/827/F35/DIM 12V 10/1FB



Life Expectancy Diagram - 8.5MR16/LED/827/F35/DIM 12V 10/1FB

