



LED MR16

8.5MR16/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

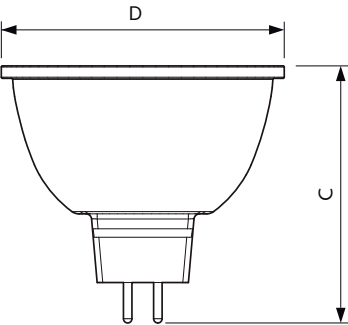
General Information		Power Consumption	
Cap-Base	GU5.3 [GU5.3]		8.5 W
Nominal lifetime	25,000 hour(s)	Lamp Current (Nom)	960 mA
Switching Cycle	50,000	Wattage Equivalent	50 W
Lighting Technology	LED	Starting Time (Nom)	0.5 s
EU RoHS compliant	Yes	Warm-up time to 60% light	0.5 s
Light Technical		Power Factor (Fraction)	0.7
Color Code	827 [CCT of 2700K]	Voltage (Nom)	ac electronic 12 V
Beam Angle (Nom)	25 degree(s)	Temperature	
Luminous Flux	600 lm	T-Case Maximum (Nom)	100 °C
Luminous Intensity (Nom)	3,100 cd	Controls and Dimming	
Color Designation	Warm White (WW)	Dimmable	Yes
Correlated Color Temperature (Nom)	2700 K	Mechanical and Housing	
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 %	Approval and Application	
Operating and Electrical		Suitable For Accent Lighting	Yes
Line Frequency	- Hz		
Input Frequency	- Hz		

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Energy Consumption kWh/1000 h	- kWh
Product Data	
Order product name	8.5MR16/LED/827/F25/DIM 12V 10/1FB
Full product name	8.5MR16/LED/827/F25/DIM 12V 10/1FB
Order code	533513
Material Nr. (12NC)	929001881304

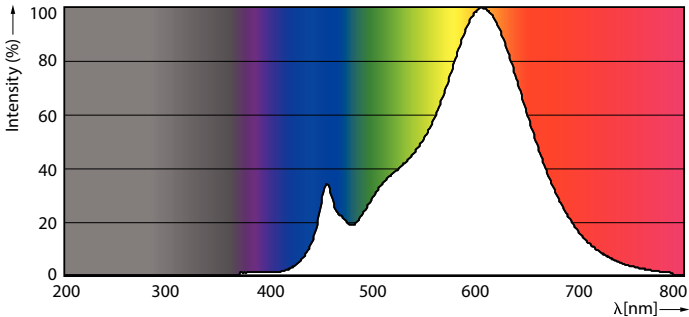
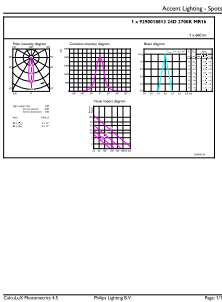
Numerator - Quantity Per Pack	1
EAN/UPC - Product/Case	046677533519
Numerator - Packs per outer box	10
EAN/UPC - Case	50046677533514

Dimensional drawing



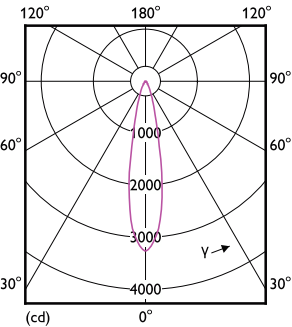
Product	D	C
8.5MR16/LED/827/F25/DIM 12V 10/1FB	50.5 mm	46.5 mm

Photometric data



Accent Lighting Spots - 8.5MR16/LED/827/F25/DIM 12V 10/1FB

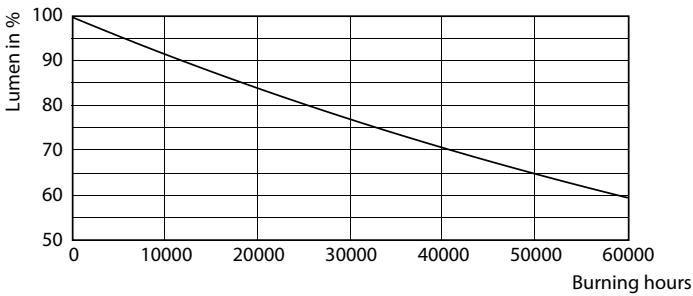
Spectral Power Distribution Colour - 8.5MR16/LED/827/F25/DIM 12V 10/1FB



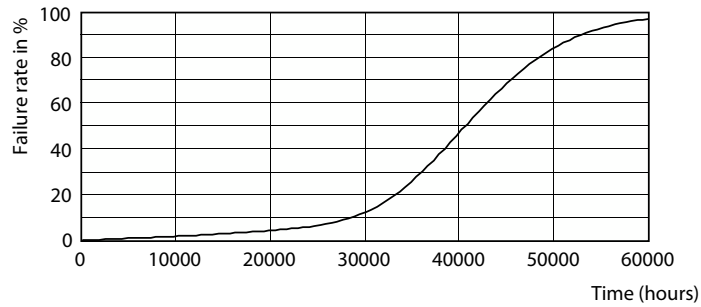
Light Distribution Diagram - 8.5MR16/LED/827/F25/DIM 12V 10/1FB

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Lifetime



Lumen Maintenance Diagram - 8.5MR16/LED/827/F25/DIM 12V 10/1FB



Life Expectancy Diagram - 8.5MR16/LED/827/F25/DIM 12V 10/1FB

