



LED MR16

8.5MR16/LED/840/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 [GU5.3]
Nominal lifetime	25,000 hour(s)
Switching Cycle	50,000
Lighting Technology	LED
EU RoHS compliant	Yes
Light Technical	
Color Code	840 [CCT of 4000K]
Beam Angle (Nom)	25 degree(s)
Luminous Flux	660 lm
Luminous Intensity (Nom)	3,350 cd
Color Designation	Cool White (CW)
Correlated Color Temperature (Nom)	4000 K
Luminous Efficacy (rated) (Nom)	77.00 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	8.5 W
Lamp Current (Nom)	960 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)	212 °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

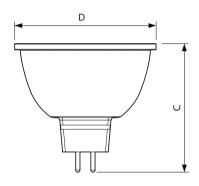
Datasheet, 2023, November 12 data subject to change

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Energy Consumption kWh/1000 h	- kWh
Product Data	
Order product name	8.5MR16/LED/840/F25/DIM 12V 10/1FB
Full product name	8.5MR16/LED/840/F25/DIM 12V 10/1FB
Order code	533521
Material Nr. (12NC)	929001881504

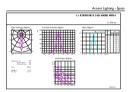
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Numerator - Packs per outer box	10
EAN/UPC - Case	50046677533521

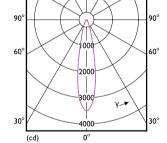
Dimensional drawing



Product	D	С
8.5MR16/LED/840/F25/DIM 12V 10/1FB	2 inch	1-7/8 inch

Photometric data





180°

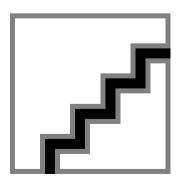
120°

120°

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Accent Lighting Spots - 8.5MR16/LED/840/F25/DIM 12V 10/1FB

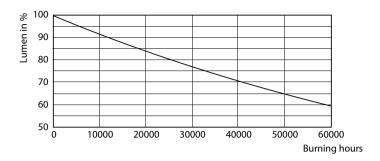
Light Distribution Diagram - 8.5MR16/LED/840/F25/DIM 12V 10/1FB

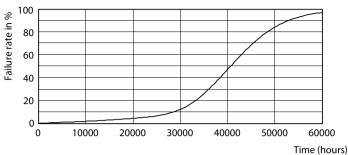


Spectral Power Distribution Colour - 8.5MR16/LED/840/F25/DIM 12V 10/1FB

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Lifetime





Lumen Maintenance Diagram - 8.5MR16/LED/840/F25/DIM 12V 10/1FB

Life Expectancy Diagram - 8.5MR16/LED/840/F25/DIM 12V 10/1FB



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