



LED MR16

8.5MR16/LED/840/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

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)	35 degree(s)	
Luminous Flux	660 lm	
Luminous Intensity (Nom)	1,800 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)	100 °C	
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	

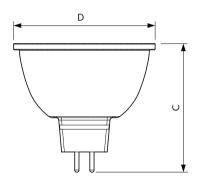
Datasheet, 2023, May 15 data subject to change

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Energy Consumption kWh/1000 h	- kWh	
Product Data		
Order product name	8.5MR16/LED/840/F35/DIM 12V 10/1FB	
Full product name	8.5MR16/LED/840/F35/DIM 12V 10/1FB	
Order code	533331	
Material Nr. (12NC)	929001881804	

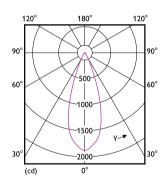
Numerator - Quantity Per Pack	1
EAN/UPC - Product/Case	046677533335
Numerator - Packs per outer box	10
EAN/UPC - Case	50046677533330

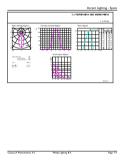
Dimensional drawing



Product	D	С
8.5MR16/LED/840/F35/DIM 12V 10/1FB	50.5 mm	46.5 mm

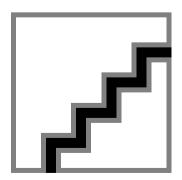
Photometric data





Light Distribution Diagram - 8.5MR16/LED/840/F35/DIM 12V 10/1FB

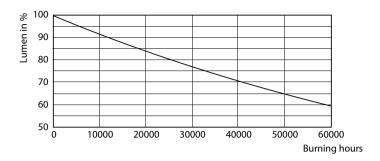
Accent Lighting Spots - 8.5MR16/LED/840/F35/DIM 12V 10/1FB

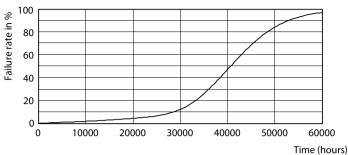


Spectral Power Distribution Colour - 8.5MR16/LED/840/F35/DIM 12V 10/1FB

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Lifetime





Lumen Maintenance Diagram - 8.5MR16/LED/840/F35/DIM 12V 10/1FB

Life Expectancy Diagram - 8.5MR16/LED/840/F35/DIM 12V 10/1FB



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