



LED MR16

6.5MR16/F25/2700-2200 DIM 12V

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
EU RoHS compliant	Yes
Light Technical	
Color Code	822-827 [tunable warm white]
Beam Angle (Nom)	25 degree(s)
Luminous Flux	455 lm
Luminous Intensity (Nom)	1,601 cd
Color Designation	Warm Glow(WG)
Correlated Color Temperature (Nom)	2200 2700 K
Luminous Efficacy (rated) (Nom)	70.00 lm/W
Color Consistency	<6
Color rendering index (CRI)	80
LLMF At End Of Nominal Lifetime (Nom)	70 %
Operating and Electrical	
Line Frequency	- Hz
Input Frequency	- Hz

Power Consumption	6.5 W		
Lamp Current (Nom)	690 mA		
Wattage Equivalent	35 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)	80 °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		
Approval and Application			
Suitable For Accent Lighting	Yes		

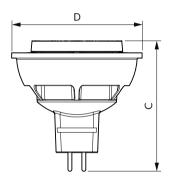
Datasheet, 2024, January 5 data subject to change

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Energy Certifications	Energy Star	
T20 compliant	No	
Application Conditions		
can it be used in closed luminaires	Yes	
Product Data		
Order product name	6.5MR16/F25/2700-2200 DIM 12V	
Full product name	6.5MR16/F25/2700-2200 DIM 12V	

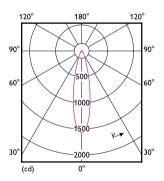
Order code	929003087104	
Material Nr. (12NC)	929003087104	
Numerator - Quantity Per Pack	1	
EAN/UPC - Product/Case	046677574406	
Numerator - Packs per outer box	10	
EAN/UPC - Case	50046677574401	

Dimensional drawing

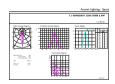


Product	D	С
6.5MR16/F25/2700-2200 DIM 12V	51 mm	50.5 mm

Photometric data







Intensity (%) 60 40 20 800 λ[nm]— 300 400 500 600

Spectral Power Distribution Colour - 6.5MR16/F25/2700-2200 DIM 12V

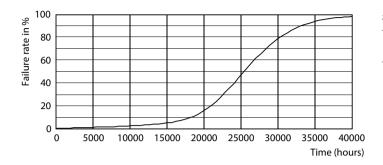
Accent Lighting Spots - 6.5MR16/F25/2700-2200 DIM 12V

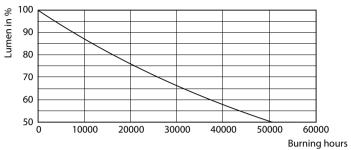
100

80

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Lifetime





Life Expectancy Diagram - 6.5MR16/F25/2700-2200 DIM 12V

Lumen Maintenance Diagram - 6.5MR16/F25/2700-2200 DIM 12V



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