PHILIPS Lighting



Essential LEDspot MR16

ESS LED MR16 4.5-50W 36D 865 SO 100-240V

Essential LEDspots MR16 are compatible with most existing fixtures with a GU5.3 socket and are designed as a retrofit replacement for halogen spots. Essential LEDspots MR16 deliver significant energy savings and minimize initial investment.

Product data

General Information		
Cap-Base	GU5.3	
Nominal lifetime	15,000 hour(s)	
Switching Cycle	50,000	
Lighting Technology	LED	
EU RoHS compliant	Yes	
Light Technical		
Color Code	865 [CCT of 6500K]	
Beam Angle (Nom)	36 degree(s)	
Luminous Flux	400 lm	
Luminous Intensity (Nom)	700 cd	
Color Designation	Cool Daylight	
Correlated Color Temperature (Nom)	6500 K	
Luminous Efficacy (rated) (Nom)	88.00 lm/W	
Color Consistency	<6	
Color rendering index (CRI)	80	
LLMF At End Of Nominal Lifetime (Non	n) 70 %	
Operating and Electrical		
Line Frequency	50 to 60 Hz	

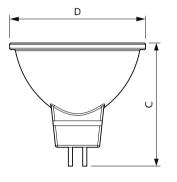
Input Frequency	50 to 60 Hz
Power Consumption	4.5 W
Wattage Equivalent	50 W
Starting Time (Nom)	0.5 s
Warm-up time to 60% light	0.5 s
Power Factor (Fraction)	0.4
Voltage (Nom)	100-240 V
Temperature	
T-Case Maximum (Nom)	65 °C
Controls and Dimming	
Dimmable	No
Mechanical and Housing	
Bulb Shape	MR16
Approval and Application	
Suitable For Accent Lighting	Yes
Energy Consumption kWh/1000 h	4.5 kWh

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Product Data		
Order product name	ESS LED MR16 4.5-50W 36D 865 SO	
	100-240V	
Full product name	ESS LED MR16 4.5-50W 36D 865 SO	
	100-240V	
Full product code	871869680921100	
Order code	929001874108	

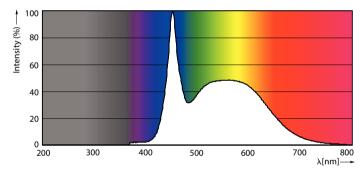
Material Nr. (12NC)	929001874108
Numerator - Quantity Per Pack	1
EAN/UPC - Product/Case	8718696809211
Numerator - Packs per outer box	10
EAN/UPC - Case	8718696809228

Dimensional drawing

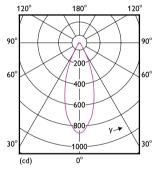


Product	D	с
ESS LED MR16 4.5-50W 36D 865 SO 100-240V	50.5 mm	46.5 mm

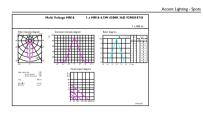
Photometric data



Spectral Power Distribution Colour - ESS LED MR16 4.5-50W 36D 865 SO 100-240V



Light Distribution Diagram - ESS LED MR16 4.5-50W 36D 865 SO 100-240V

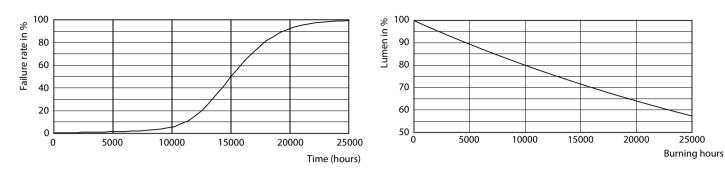


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Accent Lighting Spots - ESS LED MR16 4.5-50W 36D 865 SO 100-240V

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Lifetime



Life Expectancy Diagram - ESS LED MR16 4.5-50W 36D 865 SO 100-240V

Lumen Maintenance Diagram - ESS LED MR16 4.5-50W 36D 865 SO 100-240V



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