



Essential LEDspot MR16

ESS LED MR16 4.5-50W 36D 830 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	830 [CCT of 3000K]	
Beam Angle (Nom)	36 degree(s)	
Luminous Flux	400 lm	
Luminous Intensity (Nom)	700 cd	
Color Designation	White (WH)	
Correlated Color Temperature (Nom)	3000 K	
Luminous Efficacy (rated) (Nom)	88.00 lm/W	
Color Consistency	<6	
Color rendering index (CRI)	80	
LLMF At End Of Nominal Lifetime (Nom) 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

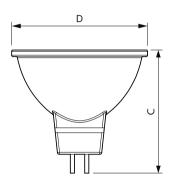
Datasheet, 2023, August 28 data subject to change

Essential LEDspot MR16

Product Data	
Order product name	ESS LED MR16 4.5-50W 36D 830 SO
	100-240V
Full product name	ESS LED MR16 4.5-50W 36D 830 SO
	100-240V
Full product code	871869680919800
Order code	929001874008

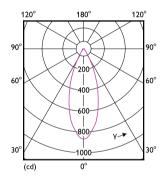
Material Nr. (12NC)	929001874008
Numerator - Quantity Per Pack	1
EAN/UPC - Product/Case	8718696809198
Numerator - Packs per outer box	10
EAN/UPC - Case	8718696809204

Dimensional drawing

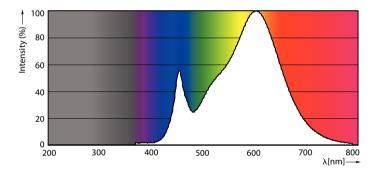


Product	D	С
ESS LED MR16 4.5-50W 36D 830 SO 100-240V	50.5 mm	46.5 mm

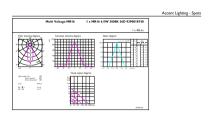
Photometric data



Light Distribution Diagram - ESS LED MR16 4.5-50W 36D 830 SO 100-240V



Spectral Power Distribution Colour - ESS LED MR16 4.5-50W 36D 830 SO 100-240V

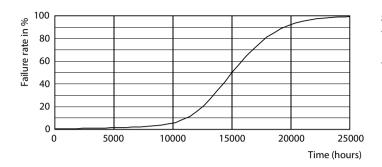


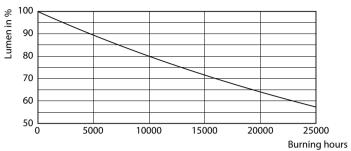
CalculuX Photometrics 4.5 Philips Lighting 8.V. Page: 1/I

Accent Lighting Spots - ESS LED MR16 4.5-50W 36D 830 SO 100-240V

Essential LEDspot MR16

Lifetime





Life Expectancy Diagram - ESS LED MR16 4.5-50W 36D 830 SO 100-240V

Lumen Maintenance Diagram - ESS LED MR16 4.5-50W 36D 830 SO 100-240V

