# **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	

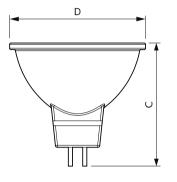
Input Frequency	50 to 60 Hz
Power Consumption	4.5 W
Wattage Equivalent	50 W
Starting Time (Nom)	0.5 s
Warm-up time to 60% light	0.5 s
Power Factor (Fraction)	0.4
Voltage (Nom)	100-240 V
Temperature	
T-Case Maximum (Nom)	65 ℃
Controls and Dimming	
Dimmable	No
Mechanical and Housing	
Bulb Shape	MR16
Approval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

# Essential LEDspot MR16

ESS LED MR16 4.5-50W 36D 865 SO	
100-240V	
ESS LED MR16 4.5-50W 36D 865 SO	
100-240V	
871869680921100	
80921100	

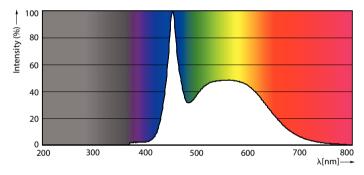
Material Nr. (12NC)	929001874108
Numerator - Quantity Per Pack	1
EAN/UPC - Product/Case	8718696809211
Numerator - Packs per outer box	10
EAN/UPC - Case	8718696809228

### **Dimensional drawing**

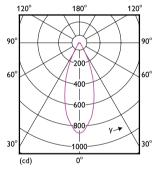


Product	D	с
ESS LED MR16 4.5-50W 36D 865 SO 100-240V	50.5 mm	46.5 mm

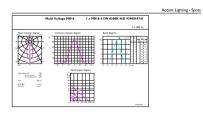
#### Photometric data



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

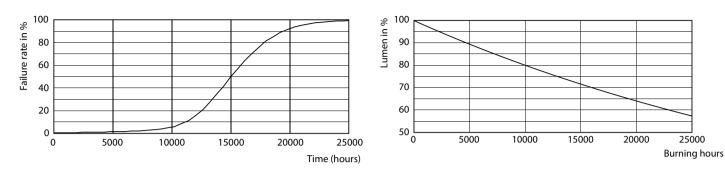


CalculuX Photometrics 4.5 Philips Lighting B.V. Page: 17

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

## **Essential LEDspot MR16**

#### 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



© 2023 Signify Holding All rights reserved. Signify does not give any representation or warranty as to the accuracy or completeness of the information included herein and shall not be liable for any action in reliance thereon. The information presented in this document is not intended as any commercial offer and does not form part of any quotation or contract, unless otherwise agreed by Signify. Philips and the Philips Shield Emblem are registered trademarks of Koninklijke Philips N.V.