PHILIPS

Lighting



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

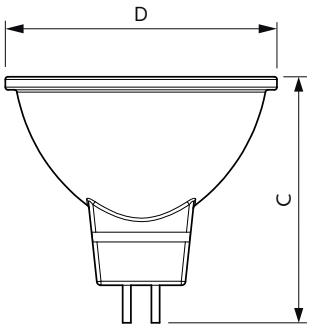
Approval and Application	
Suitable For Accent Lighting	Yes
Energy Consumption kWh/1000 h	4.5 kWh

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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

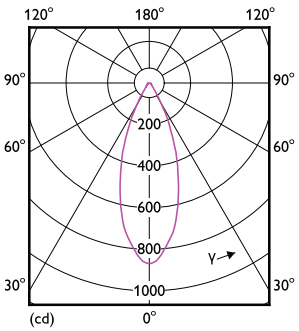
Material Nr. (12NC)	929001874008
Numerator - Quantity Per Pack	1
EAN/UPC - Product/Case	8718696809198
Numerator - Packs per outer box	10
EAN/UPC - Case	8718696809204

Dimensional drawing

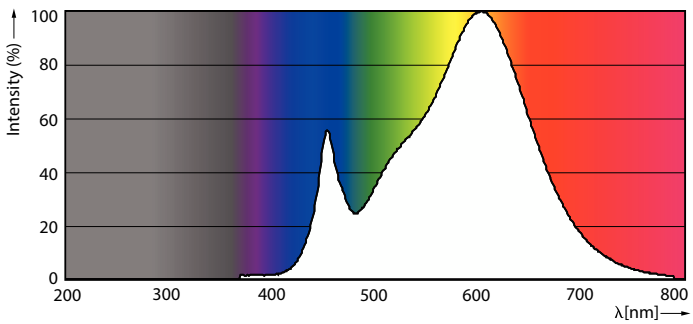


Product	D	C
ESS LED MR16 4.5-50W 36D 830 SO 100-240V	50.5 mm	46.5 mm

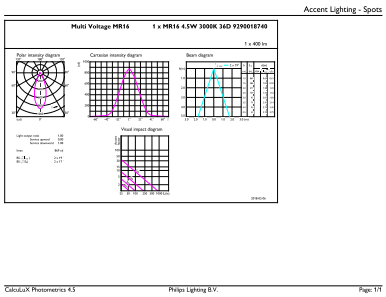
Photometric data



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



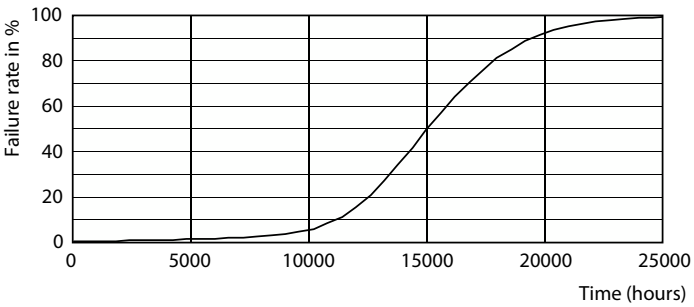
Spectral Power Distribution Colour - ESS LED MR16 4.5-50W 36D 830 SO 100-240V



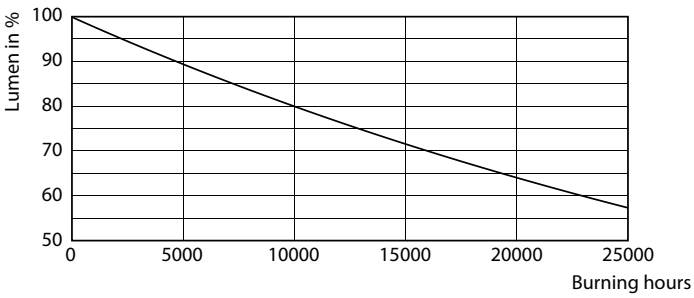
Accent Lighting Spots - ESS LED MR16 4.5-50W 36D 830 SO 100-240V

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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

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