



MASTER LEDspot LV

MASTER LED 7-50W 940 MR16 10D Dim

Delivering intense accent beam, MASTER LEDspot LV is an ideal retrofit solution for spot lighting. MASTER LEDspot LV is designed to replace halogen or incandescent spots. It realizes natural colors, enables cozy and comfortable ambience for residential, hospitality and emphasizes the beauty of merchandise in retail. New smaller housing provides perfect fitting with majority of luminaires in a market with a MR16 GU 5.3 holder. It not only employs Philips' patented solution to guarantee the broadest possible compatibility with standard 12V halogen electronic transformers, it also delivers high beam intensity which is equivalent to halogen MR16 spots. The dimming function enables to create the desired atmosphere and it works with broad selection of dimmers. Its high SDCM ensure stricter color consistency, that is maintained over product life. MASTER LEDspot LV delivers huge energy savings and minimizes maintenance cost without any compromise on light quality and lifetime, enabling residential and business owners to achieve a return on their investment within short period time.

Product data

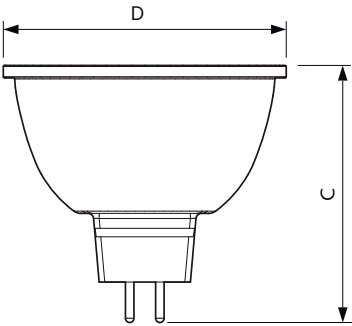
General Information			
Cap-Base	GU5.3 [GU5.3]	Correlated Color Temperature (Nom)	4000 K
Nominal lifetime	40,000 hour(s)	Luminous Efficacy (rated) (Nom)	75.00 lm/W
Switching Cycle	50,000	Color Consistency	<4
Lighting Technology	LED	Color rendering index (CRI)	90
EU RoHS compliant	Yes	LLMF At End Of Nominal Lifetime (Nom)	70 %
Light Technical		Operating and Electrical	
Color Code	940 [CCT of 4000K]	Line Frequency	- Hz
Beam Angle (Nom)	10 degree(s)	Input Frequency	- Hz
Luminous Flux	530 lm	Power Consumption	7 W
Luminous Intensity (Nom)	5,600 cd	Lamp Current (Nom)	830 mA
Color Designation	Cool White (CW)	Wattage Equivalent	50 W
		Starting Time (Nom)	0.5 s

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Warm-up time to 60% light	0.5 s
Power Factor (Fraction)	0.7
Voltage (Nom)	12 V
Temperature	
T-Case Maximum (Nom)	90 °C
Controls and Dimming	
Dimmable	Yes
Mechanical and Housing	
Bulb Shape	MR16 [2inch/50mm]
Approval and Application	
Suitable For Accent Lighting	Yes

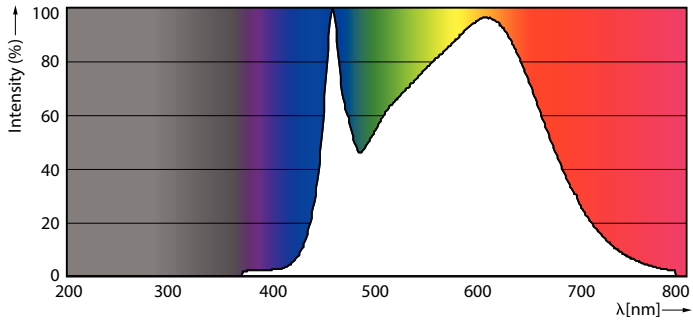
Energy Consumption kWh/1000 h	8 kWh
Product Data	
Order product name	MASTER LED 7-50W 940 MR16 10D Dim
Full product name	MASTER LED 7-50W 940 MR16 10D Dim
Full product code	871869681191700
Order code	929001879708
Material Nr. (12NC)	929001879708
Numerator - Quantity Per Pack	1
EAN/UPC - Product/Case	8718696811917
Numerator - Packs per outer box	10
EAN/UPC - Case	8718696811924

Dimensional drawing

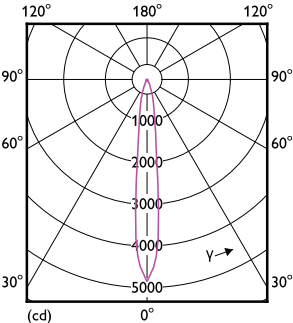


Product	D	C
MASTER LED 7-50W 940 MR16 10D Dim	50.5 mm	46.5 mm

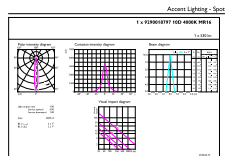
Photometric data



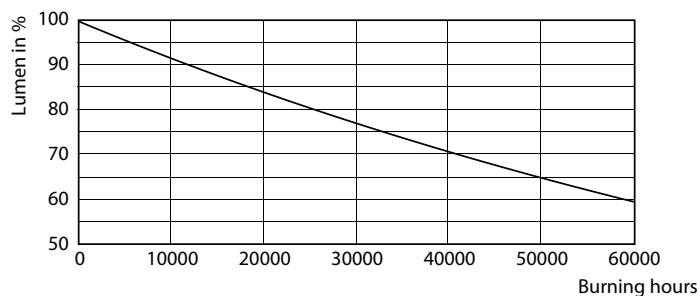
Spectral Power Distribution Colour - MASTER LED 7-50W 940 MR16 10D Dim



Light Distribution Diagram - MASTER LED 7-50W 940 MR16 10D Dim



Accent Lighting Spots - MASTER LED 7-50W 940 MR16 10D Dim



The graph illustrates the failure rate over time. The y-axis, 'Failure rate in %', has major grid lines every 20 units from 0 to 100. The x-axis, 'Time (hours)', has major grid lines every 10,000 units from 0 to 60,000. The curve begins at (0,0), stays very close to the x-axis until approximately 20,000 hours, then curves upward, passing through approximately (30,000, 15%), (40,000, 50%), and (50,000, 85%), finally reaching 100% at 60,000 hours.

Lumen Maintenance Diagram - MASTER LED 7-50W 940 MR16 10D Dim

Life Expectancy Diagram - MASTER LED 7-50W 940 MR16 10D Dim

