



MASTER VALUE LEDs pot LV



MASTER LED spot VLE D 5.8-35W MR16 927 36D

Philips MASTER VALUE MR16 is the series of Low Voltage (12 VAC) Halogen MR16 replacements. Not only does it employ Philips' patented solution to guarantee the broadest possible compatibility with standard 12 V Halogen electronic transformers, it also delivers beam intensity which is equivalent to the 50 W Philips Halogen MR16 lamps. The form-factor of Philips MASTER Value LED MR16 guarantees a 100% form on the back-side of the lamp (exact fit with Halogen lamps.)

Warnings and Safety

- Operating temperature range is between -20° C and 45° C ambient
- Only to apply in dry or damp locations and most of open fixtures with lamp-holders that offer sufficient space (10 mm free air space)
- Not intended for use with emergency light fixtures or exit lights

Product data

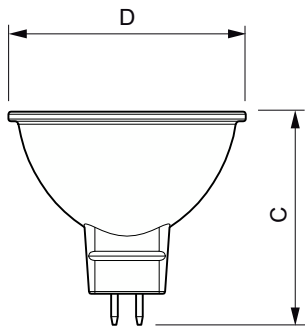
General Information	
Cap base	GU5.3
Nominal lifetime	25,000 h
Switching Cycle	50,000
Lighting Technology	LED
Flux measurement reference	Narrow Cone
Light Technical	
Colour Code	927 [CCT of 2700K]
Beam angle (nom.)	36 degree(s)
Luminous Flux	450 lm
Luminous intensity (nom.)	1,300 cd
Colour designation	Warm White (WW)

Correlated Colour Temperature (Nom)	2700 K
Luminous efficacy (rated) (nom.)	77 lm/W
Colour consistency	<6
Colour rendering index (CRI)	90
LLMF at end of nominal lifetime (nom.)	70 %
Luminous flux in 90° cone (rated)	450 lm
Photobiological safety according to EN 62471 RG1	
Operating and Electrical	
Line Frequency	- Hz
Input frequency	- Hz
Power Consumption	5.8 W
Lamp current (nom.)	510 mA

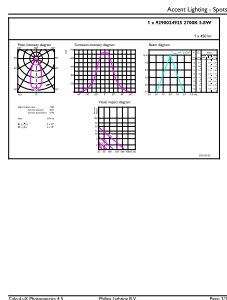
MASTER VALUE LEDspot LV

Wattage equivalent	35 W
Starting time (nom.)	0.5 s
Warm-up time to 60% light	0.5 s
Power Factor (Fraction)	0.7
Voltage (nom.)	ac electronic 12 V
Temperature	
T-Case maximum (nom.)	85 °C
Controls and Dimming	
Dimmable	Only with specific dimmers
Mechanical and Housing	
Bulb shape	MR16
Net Weight (Piece)	0.045 kg
Approval and Application	
Energy Efficiency Class	G
Suitable for accent lighting	Yes
Energy consumption kWh/1,000 hours	6 kWh
EPREL Registration Number	453173

Dimensional drawing

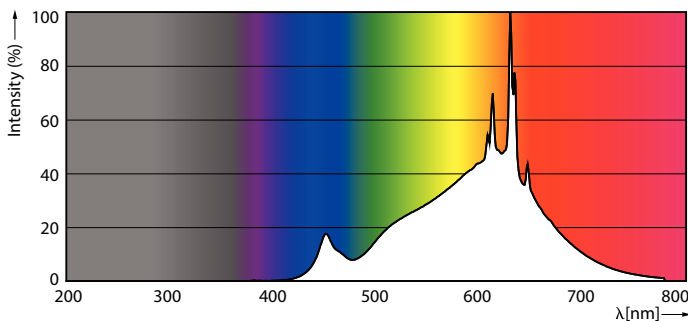


Photometric data



CE mark	Yes
EU RoHS compliant	Yes
EyeComfort	Yes
Application Conditions	
Can it be used in closed luminaires	No
Product Data	
Order product name	MAS LED spot VLE D 5.8-35W MR16 927 36D
Full product name	MASTER LED spot VLE D 5.8-35W MR16 927 36D
Full EOC	871951430718600
Order code	30718600
Material no. (12 NC)	929002492502
Numerator – quantity per pack	1
EAN/UPC – Product/Case	8719514307186
Numerator – packs per outer box	10
EAN/UPC – Case	8719514307193

Product	D	C
MAS LED spot VLE D 5.8-35W MR16 927 36D	50.5 mm	45.5 mm

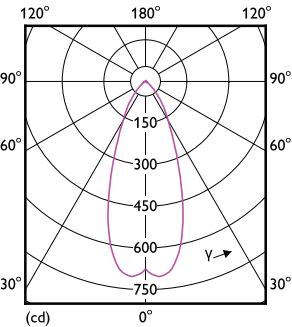


Accent Lighting Spots - MAS LED spot VLE D 5.8-35W MR16 927 36D

Spectral Power Distribution Colour - MAS LED spot VLE D 5.8-35W MR16 927 36D

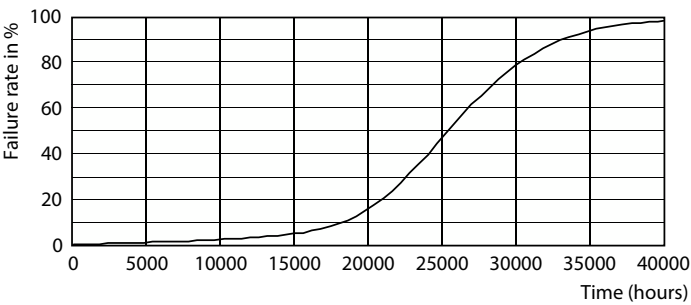
MASTER VALUE LEDspot LV

Photometric data

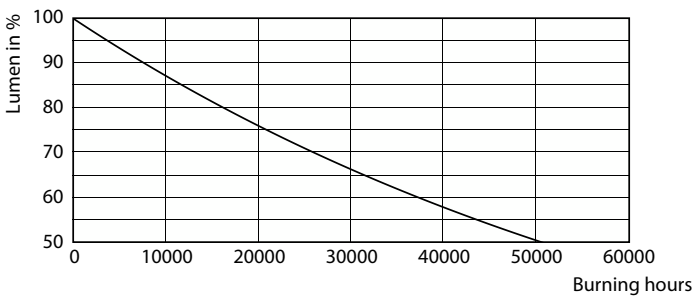


Light Distribution Diagram - MAS LED spot VLE D 5.8-35W MR16 927 36D

Lifetime



Life Expectancy Diagram



Lumen Maintenance Diagram - MAS LED spot VLE D 5.8-35W MR16 927 36D

