



MASTER VALUE LEDs pot LV

MAS LED spot VLE D 5.5-35W MR16 827 36D

Philips MASTER VALUE MR16 is the series of Low Voltage (12VAC) Halogen MR16 replacements. Not only does it employ Philips' patented solution to guarantee the broadest possible compatibility with standard 12V Halogen electronic transformers. It also delivers beam intensity which is equivalent to the 50W 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 form 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 [GU5.3]
Nominal lifetime	25,000 hour(s)
Switching Cycle	50,000
Lighting Technology	LED
EU RoHS compliant	Yes

Light Technical	
Color Code	827 [CCT of 2700K]
Beam Angle (Nom)	36 degree(s)
Luminous Flux	450 lm
Luminous Intensity (Nom)	1,000 cd
Color Designation	Warm White (WW)

Correlated Color Temperature (Nom)	2700 K
Luminous Efficacy (rated) (Nom)	81.82 lm/W
Color Consistency	<6
Color rendering index (CRI)	80
LLMF At End Of Nominal Lifetime (Nom)	70 %
Luminous Flux in 90° Cone (Rated)	450 lm

Operating and Electrical	
Line Frequency	- Hz
Input Frequency	- Hz
Power Consumption	5.5 W
Lamp Current (Nom)	630 mA
Wattage Equivalent	35 W

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Starting Time (Nom)	0.5 s
Warm-up time to 60% light	0.5 s
Power Factor (Fraction)	0.8
Voltage (Nom)	ac Electronic 12 V

Temperature	
T-Case Maximum (Nom)	95 °C

Controls and Dimming	
Dimmable	Yes

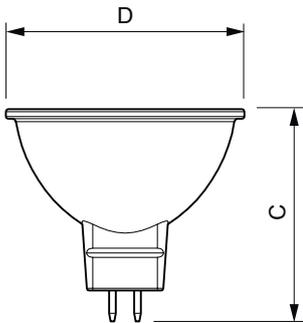
Mechanical and Housing	
Bulb Shape	MR16 [2inch/50mm]

Approval and Application	
Suitable For Accent Lighting	Yes

Energy Consumption kWh/1000 h	7 kWh
EyeComfort	Yes

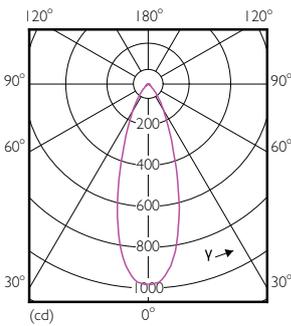
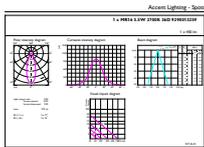
Product Data	
Order product name	MAS LED spot VLE D 5.5-35W MR16 827 36D
Full product name	MAS LED spot VLE D 5.5-35W MR16 827 36D
Full product code	871869670823100
Order code	929001325902
Material Nr. (12NC)	929001325902
Numerator - Quantity Per Pack	1
EAN/UPC - Product/Case	8718696708231
Numerator - Packs per outer box	10
EAN/UPC - Case	8718696708248

Dimensional drawing



Product	D	C
MAS LED spot VLE D 5.5-35W MR16 827 36D	50.5 mm	45 mm

Photometric data

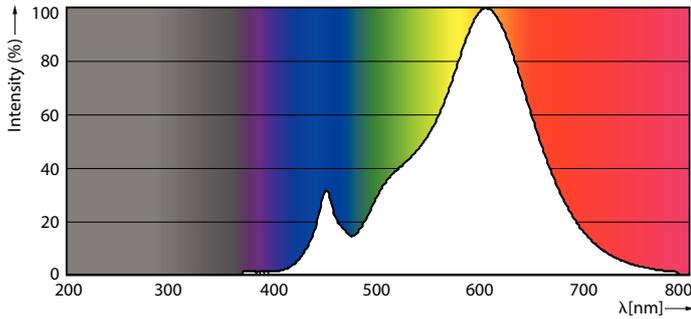


Accent Lighting Spots - MAS LED spot VLE D 5.5-35W MR16 827 36D

Light Distribution Diagram - MAS LED spot VLE D 5.5-35W MR16 827 36D

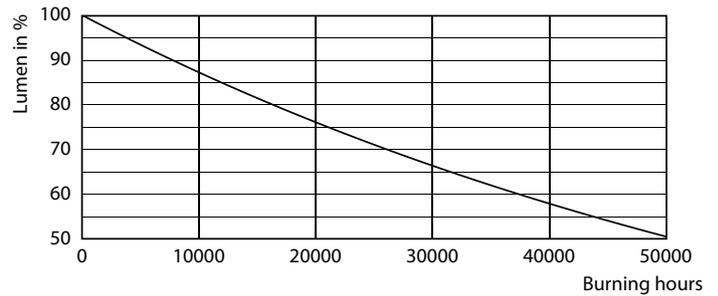
MASTER VALUE LEDspot LV

Photometric data



Spectral Power Distribution Colour - MAS LED spot VLE D 5.5-35W MR16 827 36D

Lifetime



Life Expectancy Diagram - MAS LED spot VLE D 5.5-35W MR16 827 36D

Lumen Maintenance Diagram - MAS LED spot VLE D 5.5-35W MR16 827 36D

