



MASTER VALUE LEDs pot LV

MASTER LED spot VLE D 5.5-35W MR16 830 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 [GU5.3]
Nominal lifetime	25,000 h
Switching Cycle	50,000
Lighting Technology	LED
EU RoHS compliant	Yes

Light Technical	
Colour Code	830 [CCT of 3000K]
Beam angle (nom.)	36 degree(s)
Luminous Flux	460 lm
Luminous intensity (nom.)	1,000 cd
Colour designation	White (WH)

Correlated Colour Temperature	3000 K
Luminous efficacy (rated) (nom.)	83.64 lm/W
Colour consistency	<6
Colour rendering index (CRI)	80
LLMF at end of nominal lifetime (nom.)	70 %
Luminous flux in 90° cone (rated)	460 lm

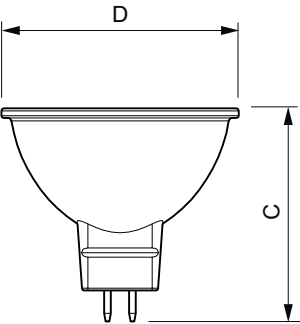
Operating and Electrical	
Line Frequency	- Hz
Input frequency	- Hz
Power Consumption	5.5 W
Lamp current (nom.)	630 mA
Wattage equivalent	35 W

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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 [2 inch/50 mm]
Approval and Application	
Suitable for accent lighting	Yes

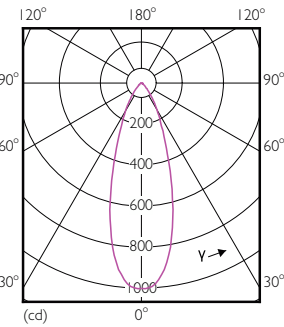
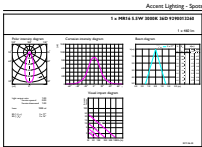
Energy consumption kWh/1,000 hours	7 kWh
EyeComfort	Yes
Product Data	
Order product name	MAS LED spot VLE D 5.5-35W MR16 830 36D
Full product name	MASTER LED spot VLE D 5.5-35W MR16 830 36D
Full EOC	871869670825500
Order code	70825500
Material no. (12 NC)	929001326002
SAP numerator – quantity per pack	1
EAN/UPC – Product/Case	8718696708255
Numerator – packs per outer box	10
EAN/UPC - Case	8718696708262

Dimensional drawing



Product	D	C
MAS LED spot VLE D 5.5-35W MR16 830 36D	50.5 mm	45 mm

Photometric data



Accent Lighting Spots - MAS LED spot VLE D 5.5-35W MR16 830 36D

Light Distribution Diagram - MAS LED spot VLE D 5.5-35W MR16 830 36D

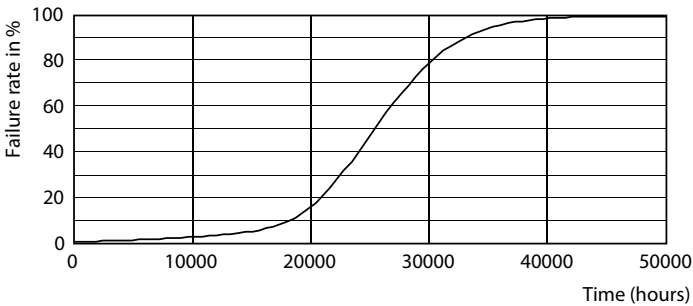
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Photometric data

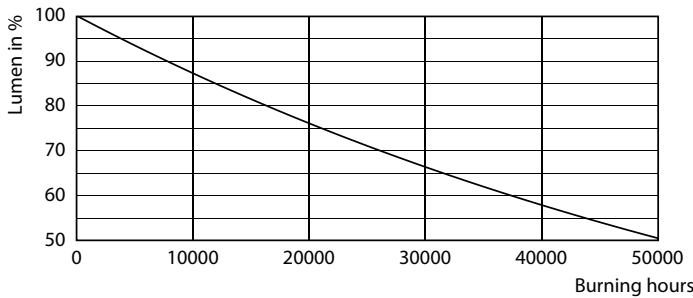


Spectral Power Distribution Colour - MAS LED spot VLE D 5.5-35W MR16 830 36D

Lifetime



Life Expectancy Diagram - MAS LED spot VLE D 5.5-35W MR16 830 36D



Lumen Maintenance Diagram - MAS LED spot VLE D 5.5-35W MR16 830 36D

