



MASTER VALUE LEDs pot LV

MAS LED spot VLE D 5.5-35W MR16 830 60D

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	830 [CCT of 3000K]
Beam Angle (Nom)	60 degree(s)
Luminous Flux	460 lm
Luminous Intensity (Nom)	500 cd
Color Designation	White (WH)

Correlated Color Temperature (Nom)	3000 K
Luminous Efficacy (rated) (Nom)	83.64 lm/W
Color Consistency	<6
Color 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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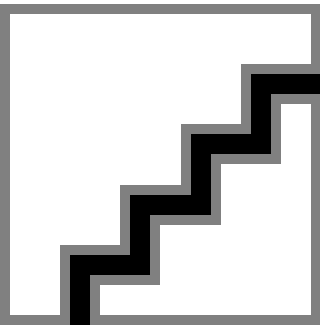
Starting Time (Nom)	0.5 s
Warm-up time to 60% light	0.5 s
Power Factor (Fraction)	0.8
Voltage (Nom)	ac Electronic 12 V
Temperature	
T-Case Maximum (Nom)	95 °C
Controls and Dimming	
Dimmable	Yes
Mechanical and Housing	
Bulb Shape	MR16 [2inch/50mm]
Approval and Application	
Suitable For Accent Lighting	Yes

Energy Consumption kWh/1000 h	7 kWh
EyeComfort	Yes
Product Data	
Order product name	MAS LED spot VLE D 5.5-35W MR16 830 60D
Full product name	MAS LED spot VLE D 5.5-35W MR16 830 60D
Full product code	871869670831600
Order code	929001326302
Material Nr. (12NC)	929001326302
Numerator - Quantity Per Pack	1
EAN/UPC - Product/Case	8718696708316
Numerator - Packs per outer box	10
EAN/UPC - Case	8718696708323

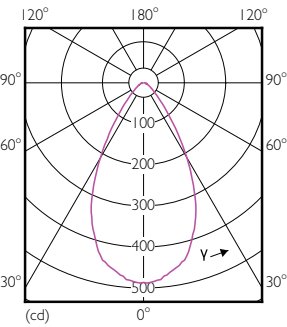
Dimensional drawing

Product	D	C
MAS LED spot VLE D 5.5-35W MR16 830 60D	50.5 mm	45 mm

Photometric data



Accent Lighting Spots - MAS LED spot VLE D 5.5-35W MR16 830 60D



Light Distribution Diagram - MAS LED spot VLE D 5.5-35W MR16 830 60D

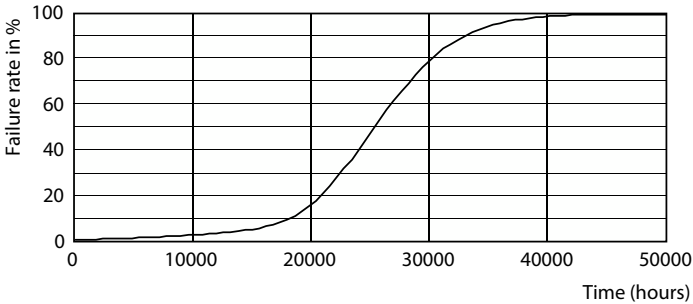
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Photometric data

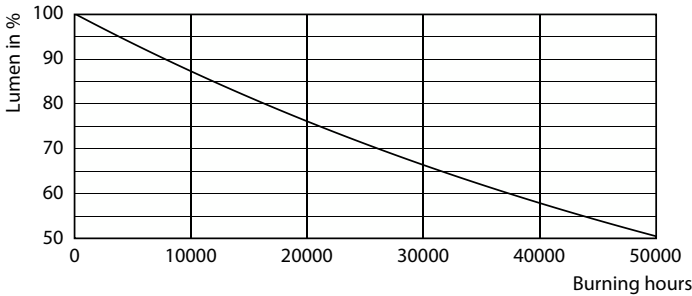


Spectral Power Distribution Colour - MAS LED spot VLE D 5.5-35W MR16 830 60D

Lifetime



Life Expectancy Diagram - MAS LED spot VLE D 5.5-35W MR16 830 60D



Lumen Maintenance Diagram - MAS LED spot VLE D 5.5-35W MR16 830 60D

