



MASTER VALUE LEDs pot LV

MASTER LEDspotLV DimTone 5-35W MR16 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	822-827 [tunable warm white]
Beam angle (nom.)	36 degree(s)
Luminous Flux	345 lm
Luminous intensity (nom.)	600 cd
Colour designation	Warm White (WW)

Correlated Colour Temperature	2700 K
Luminous efficacy (rated) (nom.)	69.00 lm/W
Colour consistency	<6
Colour rendering index (CRI)	80
LLMF at end of nominal lifetime (nom.)	70 %
Luminous flux in 90° cone (rated)	345 lm

Operating and Electrical	
Line Frequency	- Hz
Input frequency	- Hz
Power Consumption	5 W
Lamp current (nom.)	480 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)	0.7
Voltage (nom.)	AC Electronic 12 V

Temperature

T-Case maximum (nom.)	70 °C
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Controls and Dimming

Dimmable	Yes
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Mechanical and Housing

Bulb shape	MR16 [2 inch/50 mm]
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Approval and Application

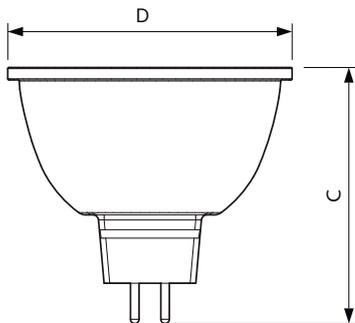
Suitable for accent lighting	Yes
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Energy consumption kWh/1,000 hours	6 kWh
EyeComfort	Yes

Product Data

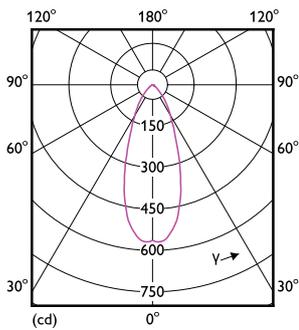
Order product name	MAS LEDspotLV DimTone 5-35W MR16 36D
Full product name	MASTER LEDspotLV DimTone 5-35W MR16 36D
Full EOC	871869681538000
Order code	81538000
Material no. (12 NC)	929001904702
SAP numerator – quantity per pack	1
EAN/UPC – Product/Case	8718696815380
Numerator – packs per outer box	10
EAN/UPC - Case	8718696815397

Dimensional drawing

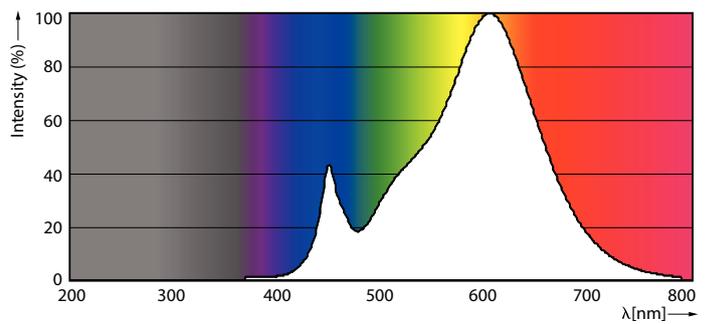


Product	D	C
MAS LEDspotLV DimTone 5-35W MR16 36D	50.5 mm	44.5 mm

Photometric data



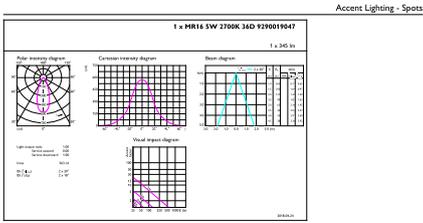
Light Distribution Diagram - MAS LEDspotLV DimTone 5-35W MR16 36D



Spectral Power Distribution Colour - MAS LEDspotLV DimTone 5-35W MR16 36D

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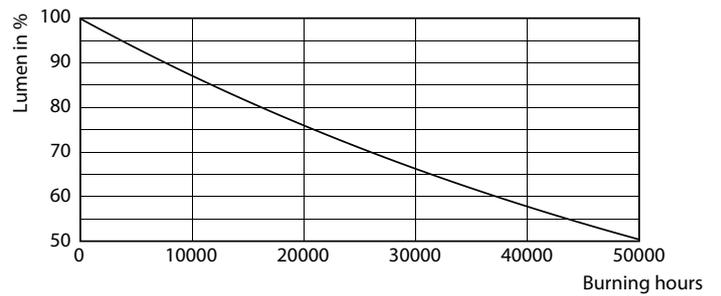
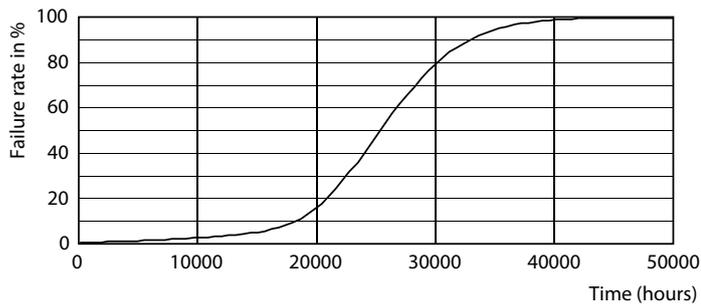
Photometric data



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Accent Lighting Spots - MAS LEDspotLV DimTone 5-35W MR16 36D

Lifetime



Life Expectancy Diagram - MAS LEDspotLV DimTone 5-35W MR16 36D

Lumen Maintenance Diagram - MAS LEDspotLV DimTone 5-35W MR16 36D

