



# 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

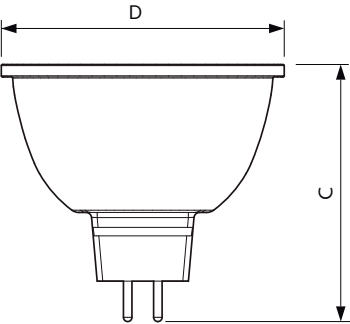
General Information			
Cap base	GU5.3 [GU5.3]	Correlated Colour Temperature	2700 K
Nominal lifetime	25,000 h	Luminous efficacy (rated) (nom.)	69.00 lm/W
Switching Cycle	50,000	Colour consistency	<6
Lighting Technology	LED	Colour rendering index (CRI)	80
EU RoHS compliant	Yes	LLMF at end of nominal lifetime (nom.)	70 %
		Luminous flux in 90° cone (rated)	345 lm
Light Technical		Operating and Electrical	
Colour Code	822-827 [tunable warm white]	Line Frequency	- Hz
Beam angle (nom.)	36 degree(s)	Input frequency	- Hz
Luminous Flux	345 lm	Power Consumption	5 W
Luminous intensity (nom.)	600 cd	Lamp current (nom.)	480 mA
Colour designation	Warm White (WW)	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
Controls and Dimming	
Dimmable	Yes
Mechanical and Housing	
Bulb shape	MR16 [2 inch/50 mm]
Approval and Application	
Suitable for accent lighting	Yes

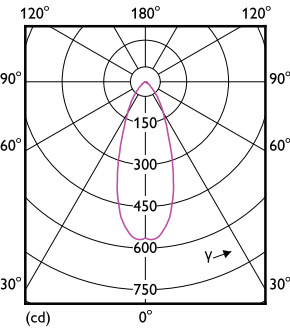
Energy consumption kWh/1,000 hours	6 kWh
EyeComfort	Yes
Product Data	
Order product name	MAS LEDspotLV DimTone 5-35W MR16 36D
Full product name	MASTER LEDspotLV DimTone 5-35W MR16 36D
Full EOC	871869681538000
Order code	81538000
Material no. (12 NC)	929001904702
SAP numerator – quantity per pack	1
EAN/UPC – Product/Case	8718696815380
Numerator – packs per outer box	10
EAN/UPC – Case	8718696815397

Dimensional drawing

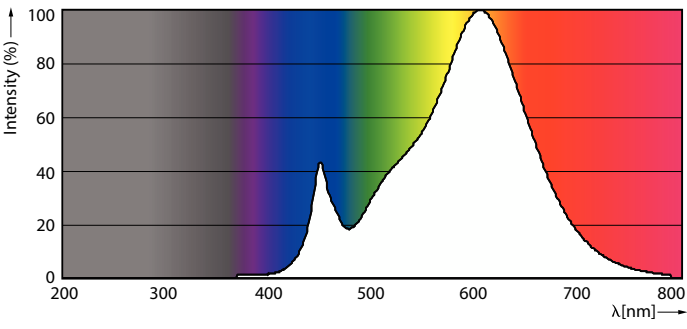


Product	D	C
MAS LEDspotLV DimTone 5-35W MR16 36D	50.5 mm	44.5 mm

Photometric data



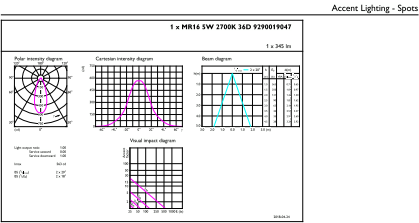
Light Distribution Diagram - MAS LEDspotLV DimTone 5-35W MR16 36D



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

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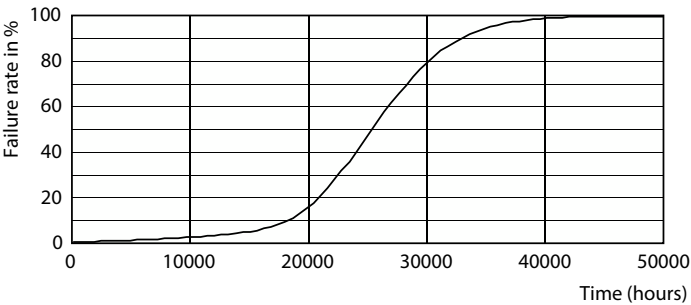
## Photometric data



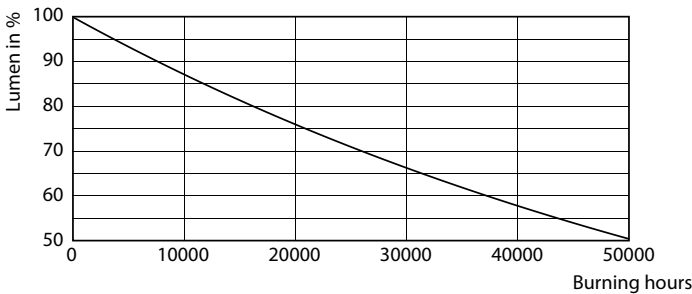
Calculation: Photometrics 4.3 Philips Lighting B.V. Page: 1/1

### 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

