



# 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

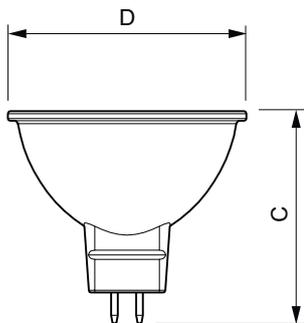
General Information		Correlated Colour Temperature	
Cap base	GU5.3 [GU5.3]	Correlated Colour Temperature	3000 K
Nominal lifetime	25,000 h	Luminous efficacy (rated) (nom.)	83.64 lm/W
Switching Cycle	50,000	Colour consistency	<6
Lighting Technology	LED	Colour rendering index (CRI)	80
EU RoHS compliant	Yes	LLMF at end of nominal lifetime (nom.)	70 %
		Luminous flux in 90° cone (rated)	460 lm
Light Technical		Operating and Electrical	
Colour Code	830 [CCT of 3000K]	Line Frequency	- Hz
Beam angle (nom.)	36 degree(s)	Input frequency	- Hz
Luminous Flux	460 lm	Power Consumption	5.5 W
Luminous intensity (nom.)	1,000 cd	Lamp current (nom.)	630 mA
Colour designation	White (WH)	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
<b>Temperature</b>	
T-Case maximum (nom.)	95 °C
<b>Controls and Dimming</b>	
Dimmable	Yes
<b>Mechanical and Housing</b>	
Bulb shape	MR16 [2 inch/50 mm]
<b>Approval and Application</b>	
Suitable for accent lighting	Yes

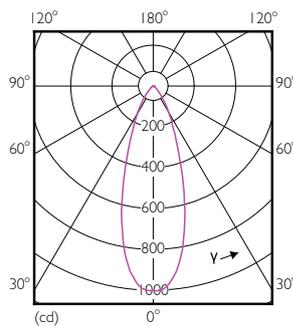
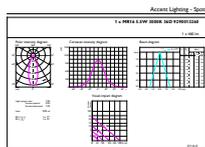
Energy consumption kWh/1,000 hours	7 kWh
EyeComfort	Yes
<b>Product Data</b>	
Order product name	MAS LED spot VLE D 5.5-35W MR16 830 36D
Full product name	MASTER LED spot VLE D 5.5-35W MR16 830 36D
Full EOC	871869670825500
Order code	70825500
Material no. (12 NC)	929001326002
SAP numerator – quantity 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

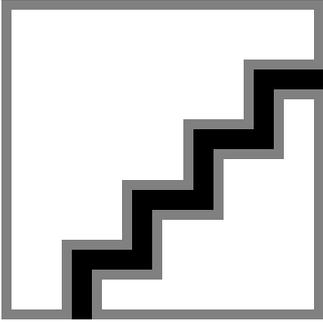


Accent Lighting Spots - MAS LED spot VLE D 5.5-35W MR16 830 36D

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

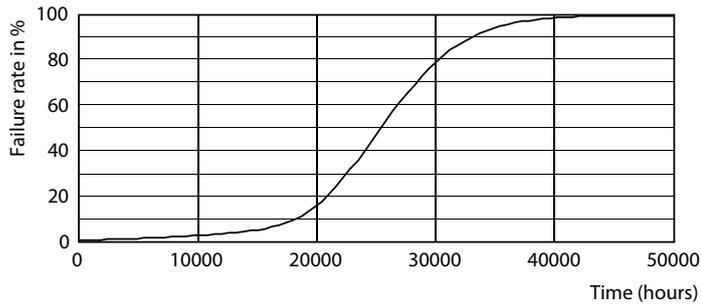
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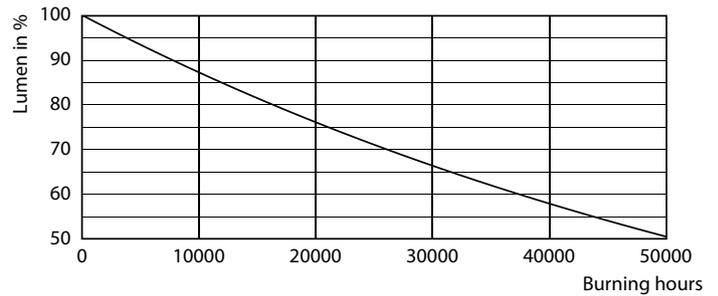


Spectral Power Distribution Colour - MAS LED spot VLE D 5.5-35W MR16 830 36D

## 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

