PHILIPS Lighting



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

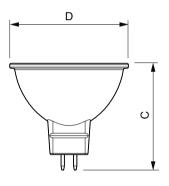
Product data

eneral Information		Correlated Colour Temperature	3000
ap base	GU5.3 [GU5.3]	Luminous efficacy (rated) (nom.)	83.64 lm,
Nominal lifetime	25,000 h	Colour consistency	<6
Switching Cycle	50,000	Colour rendering index (CRI)	80
Lighting Technology	LED	LLMF at end of nominal lifetime (no	om.) 70 %
EU RoHS compliant	Yes	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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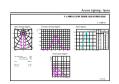
Starting time (nom.)	0.5 s	Energy consumption kWh/1,000 hours 7 kWh			
Warm-up time to 60% light	0.5 s	EyeComfort	Yes		
Power Factor (Fraction)	0.8				
Voltage (nom.)	ac Electronic 12 V	Product Data	Product Data		
		Order product name	MAS LED spot VLE D 5.5-35W MR16 830 36E		
Temperature		Full product name	MASTER LED spot VLE D 5.5-35W MR16 830		
T-Case maximum (nom.)	95 ℃		36D		
		Full EOC	871869670825500		
Controls and Dimming		Order code	70825500		
Dimmable	Yes	Material no. (12 NC)	Material no. (12 NC) 929001326002		
		SAP numerator – quantity per pack	1		
Mechanical and Housing		EAN/UPC — Product/Case	8718696708255		
Bulb shape	MR16 [2 inch/50 mm]	Numerator – packs per outer box	10		
		EAN/UPC - Case	8718696708262		
Approval and Application					
Suitable for accent lighting	Yes				

Dimensional drawing



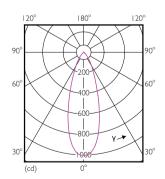
Product D C MAS LED spot VLE D 5.5-35W MR16 830 36D 50.5 mm 45 mm

Photometric data



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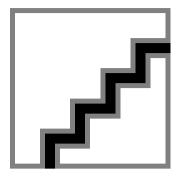
Accent Lighting Spots - MAS LED spot VLE D 5.5-35W MR16 830 36D



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

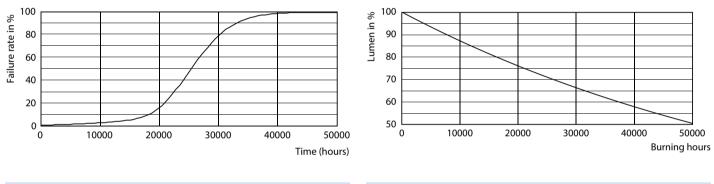
MASTER VALUE LEDspot LV

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



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