



MASTER VALUE LEDs pot LV



MASTER LED spot VLE D 5.8-35W MR16 940 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		Colour designation	
Cap base	GU5.3	Cool White (CW)	
Nominal lifetime	25,000 h	Correlated Colour Temperature (Nom)	
Switching Cycle	50,000	4000 K	
Lighting Technology	LED	Luminous efficacy (rated) (nom.)	
Flux measurement reference	Narrow Cone	84.00 lm/W	
Warranty period	5 years	Colour consistency	
		<6	
		Colour rendering index (CRI)	
		90	
		LLMF at end of nominal lifetime (nom.)	
		70 %	
		Luminous flux in 90° cone (rated)	
		490 lm	
		Photobiological safety according to EN 62471	
		RG1	
Light Technical		Operating and Electrical	
Colour Code	940 [CCT of 4000K]	Line Frequency	
Beam angle (nom.)	36 degree(s)	- Hz	
Luminous Flux	490 lm	Input frequency	
Luminous intensity (nom.)	1,200 cd	- Hz	
		Power Consumption	
		5.8 W	

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Lamp current (nom.)	510 mA
Wattage equivalent	35 W
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.)	85 °C
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Controls and Dimming

Dimmable	Only with specific dimmers
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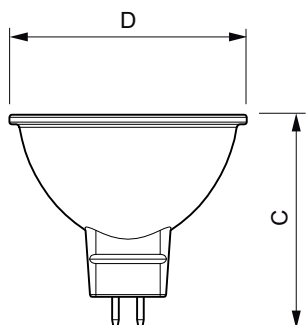
Mechanical and Housing

Bulb shape	MR16
Net Weight (Piece)	0.045 kg

Approval and Application

Energy Efficiency Class	F
Suitable for accent lighting	Yes
Energy consumption kWh/1,000 hours	6 kWh
EPREL Registration Number	453175

Dimensional drawing



CE mark	Yes
EU RoHS compliant	Yes
EyeComfort	Yes

Application Conditions

Can it be used in closed luminaires	No
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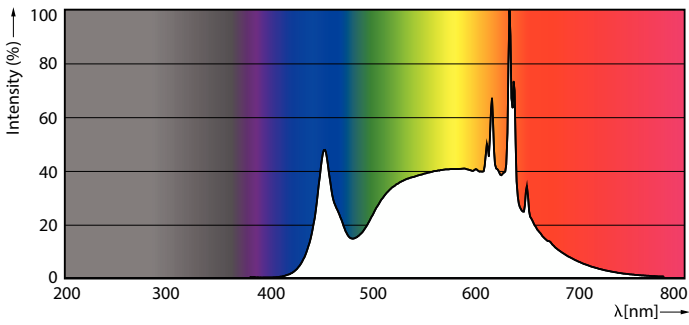
Product Data

Order product name	MAS LED spot VLE D 5.8-35W MR16 940 36D
Full product name	MASTER LED spot VLE D 5.8-35W MR16 940 36D
Full EOC	871951430722300
Order code	30722300
Material no. (12 NC)	929002492702
Numerator – quantity per pack	1
EAN/UPC – Product/Case	8719514307223
Numerator – packs per outer box	10
EAN/UPC – Case	8719514307230

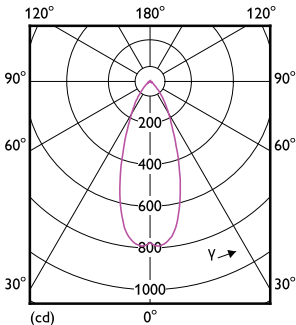
Product	D	C
MAS LED spot VLE D 5.8-35W MR16 940 36D	50.5 mm	45.5 mm

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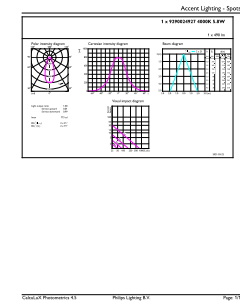
Photometric data



Spectral Power Distribution Colour - MAS LED spot VLE D 5.8-35W MR16 940 36D

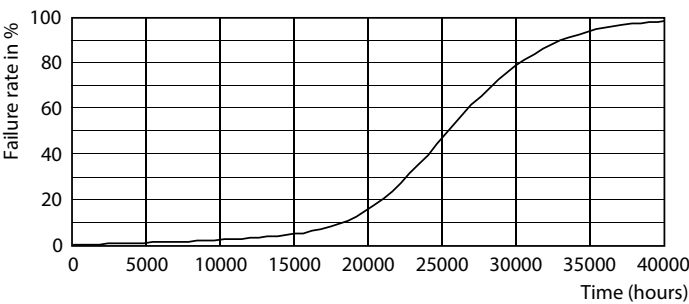


Light Distribution Diagram - MAS LED spot VLE D 5.8-35W MR16 940 36D

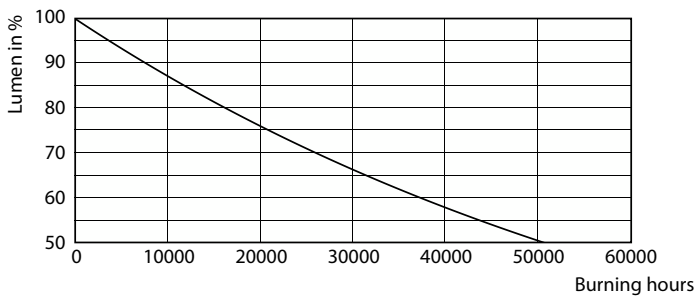


Accent Lighting Spots - MAS LED spot VLE D 5.8-35W MR16 940 36D

Lifetime



Life Expectancy Diagram



Lumen Maintenance Diagram - MAS LED spot VLE D 5.8-35W MR16 940 36D

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