



# 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

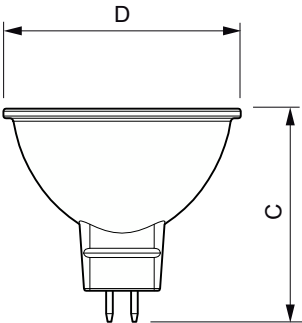
General Information		Correlated Colour Temperature (Nom)	
Cap base	GU5.3	Luminous efficacy (rated) (nom.)	4000 K
Nominal lifetime	25,000 h	Colour consistency	84.00 lm/W
Switching Cycle	50,000	Colour rendering index (CRI)	<6
Lighting Technology	LED	LLMF at end of nominal lifetime (nom.)	90
Flux measurement reference	Narrow Cone	Luminous flux in 90° cone (rated)	70 %
Light Technical		Photobiological safety according to EN 62471	RG1
Colour Code	940 [CCT of 4000K]	Operating and Electrical	
Beam angle (nom.)	36 degree(s)	Line Frequency	- Hz
Luminous Flux	490 lm	Input frequency	- Hz
Luminous intensity (nom.)	1,200 cd	Power Consumption	5.8 W
Colour designation	Cool White (CW)	Lamp current (nom.)	510 mA

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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
Controls and Dimming	
Dimmable	Only with specific dimmers
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

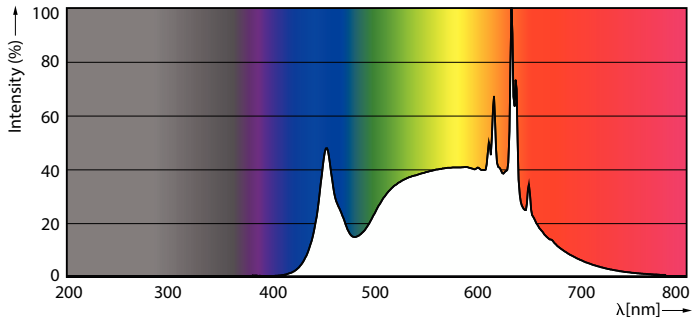
CE mark	Yes
EU RoHS compliant	Yes
EyeComfort	Yes
Application Conditions	
Can it be used in closed luminaires	No
Product Data	
Order product name	MAS LED spot VLE D 5.8-35W MR16 940 36D
Full product name	MASTER LED spot VLE D 5.8-35W MR16 940 36D
Full EOC	871951430722300
Order code	30722300
Material no. (12 NC)	929002492702
Numerator – quantity per pack	1
EAN/UPC – Product/Case	8719514307223
Numerator – packs per outer box	10
EAN/UPC – Case	8719514307230

Dimensional drawing

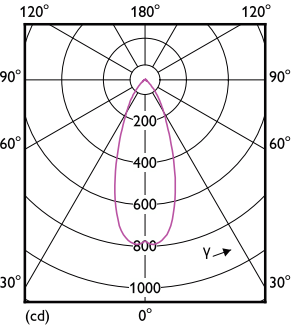


Product	D	C
MAS LED spot VLE D 5.8-35W MR16 940 36D	50.5 mm	45.5 mm

Photometric data



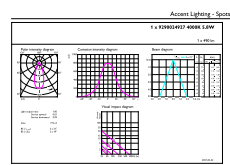
Spectral Power Distribution Colour - MAS LED spot VLE D 5.8-35W MR16 940 36D



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

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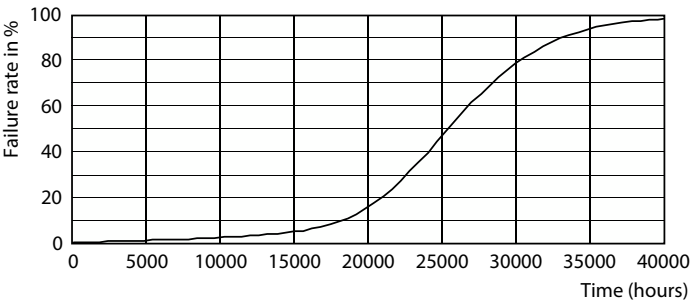
## Photometric data



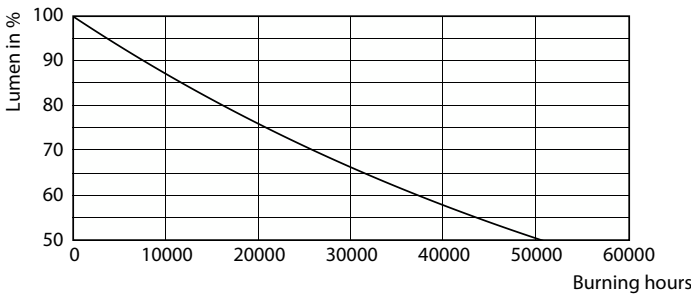
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### Accent Lighting Spots - MAS LED spot VLE D 5.8-35W MR16 940 36D

## Lifetime



### Life Expectancy Diagram



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

