



# MASTER VALUE LEDs pot LV



## MAS LED spot VLE D 5.8-35W MR16 930 36D

Philips MASTER VALUE MR16 is the series of Low Voltage (12VAC) Halogen MR16 replacements. Not only does it employ Philips' patented solution to guarantee the broadest possible compatibility with standard 12V Halogen electronic transformers. It also delivers beam intensity which is equivalent to the 50W 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 form 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]	Luminous Intensity (Nom)	1,300 cd
Nominal lifetime	25,000 hour(s)	Color Designation	White (WH)
Switching Cycle	50,000	Correlated Color Temperature (Nom)	3000 K
Lighting Technology	LED	Luminous Efficacy (rated) (Nom)	79 lm/W
Flux measurement reference	Narrow Cone	Color Consistency	<6
CE mark	Yes	Color rendering index (CRI)	90
EU RoHS compliant	Yes	LLMF At End Of Nominal Lifetime (Nom)	70 %
		Luminous Flux in 90° Cone (Rated)	460 lumen
		Photobiological safety according to EN 62471	RG1
Light Technical		Operating and Electrical	
Color Code	930 [CCT of 3000K]	Line Frequency	- Hz
Beam Angle (Nom)	36 degree(s)	Input Frequency	- Hz
Luminous Flux	460 lumen		

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Power Consumption	5.8 W
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 [2inch/50mm]
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## Approval and Application

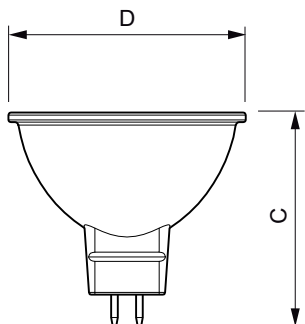
Energy Efficiency Class	F
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Suitable For Accent Lighting	Yes
Energy Consumption kWh/1000 h	6 kWh
EPREL Registration Number	453174
EyeComfort	Yes

## Product Data

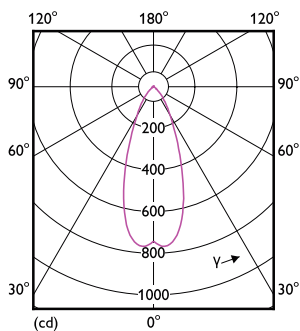
Full product code	871951430720900
Order product name	MAS LED spot VLE D 5.8-35W MR16 930 36D
Order code	929002492602
Numerator - Quantity Per Pack	1
Numerator - Packs per outer box	10
Material Nr. (12NC)	929002492602
Full product name	MAS LED spot VLE D 5.8-35W MR16 930 36D
EAN/UPC - Case	8719514307216
EAN/UPC - Product/Case	8719514307209

## Dimensional drawing

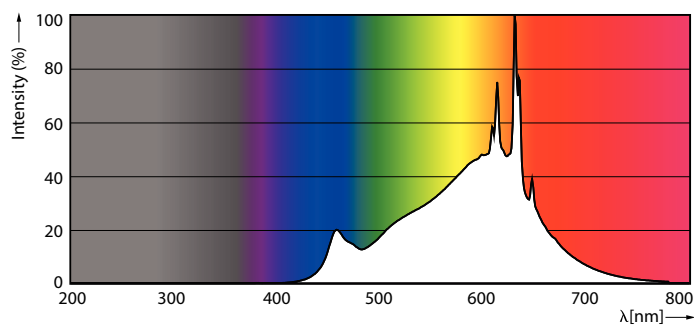


Product	D	C
MAS LED spot VLE D 5.8-35W MR16 930 36D	50.5 mm	45.5 mm

## Photometric data



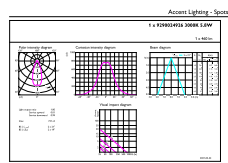
Light Distribution Diagram - MAS LED spot VLE D 5.8-35W MR16 930 36D



Spectral Power Distribution Colour - MAS LED spot VLE D 5.8-35W MR16 930 36D

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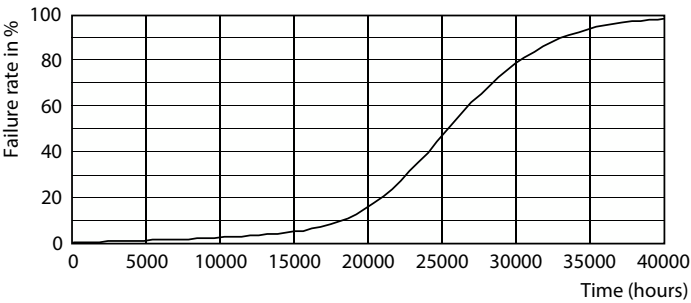
## Photometric data



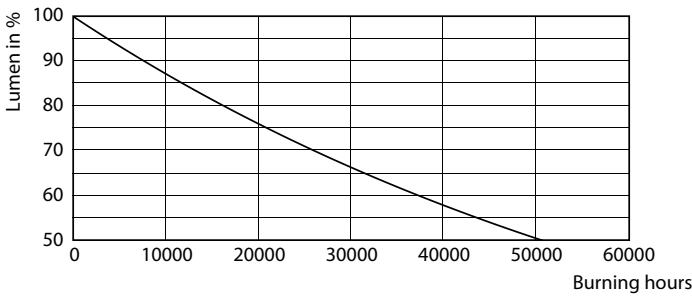
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### Accent Lighting Spots - MAS LED spot VLE D 5.8-35W MR16 930 36D

## Lifetime



### Life Expectancy Diagram - MAS LED spot VLE D 5.8-35W MR16 930 36D



### Lumen Maintenance Diagram - MAS LED spot VLE D 5.8-35W MR16 930 36D

