



MASTER VALUE LEDspot LV



MASTER LEDspotLV DimTone 7.5-50W MR16 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	
Cap base	GU5.3
Nominal lifetime	25,000 h
Switching Cycle	50,000
Lighting Technology	LED
Flux measurement reference	Narrow Cone
CE mark	Yes
EU RoHS compliant	Yes

Light Technical	
Colour Code	922-927 [CCT of 2200K-2700K]
Beam angle (nom.)	36 degree(s)
Luminous Flux	621 lm

Luminous intensity (nom.)	1,100 cd
Colour designation	Warm Glow (WG)
Correlated Colour Temperature	2200 2700 K
Luminous efficacy (rated) (nom.)	82.00 lm/W
Colour consistency	<6
Colour rendering index (CRI)	90
LLMF at end of nominal lifetime (nom.)	70 %
Luminous flux in 90° cone (rated)	621 lm
Photobiological safety according to EN 62471 RG1	

Operating and Electrical	
Line Frequency	- Hz
Input frequency	- Hz

MASTER VALUE LEDspot LV

Power Consumption	7.5 W
Lamp current (nom.)	670 mA
Wattage equivalent	50 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.)	95 °C
-----------------------	-------

Controls and Dimming

Dimmable	Only with specific dimmers
----------	----------------------------

Mechanical and Housing

Bulb shape	MR16
------------	------

Approval and Application

Energy Efficiency Class	F
Suitable for accent lighting	Yes
Energy consumption kWh/1,000 hours	8 kWh

EPREL registration number	453186
EyeComfort	Yes

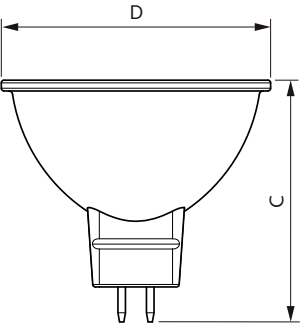
Application Conditions

Can it be used in closed luminaires	No
-------------------------------------	----

Product Data

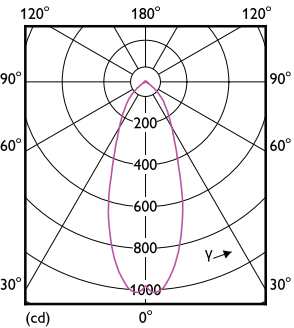
Order product name	MAS LEDspotLV DimTone 7.5-50W MR16 36D
Full product name	MASTER LEDspotLV DimTone 7.5-50W MR16 36D
Full EOC	871951430744500
Order code	30744500
Material no. (12 NC)	929002493802
SAP numerator – quantity per pack	1
EAN/UPC – Product/Case	8719514307445
Numerator – packs per outer box	10
EAN/UPC - Case	8719514307452

Dimensional drawing

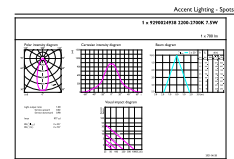


Product	D	C
MAS LEDspotLV DimTone 7.5-50W MR16 36D	50.5 mm	45.5 mm

Photometric data



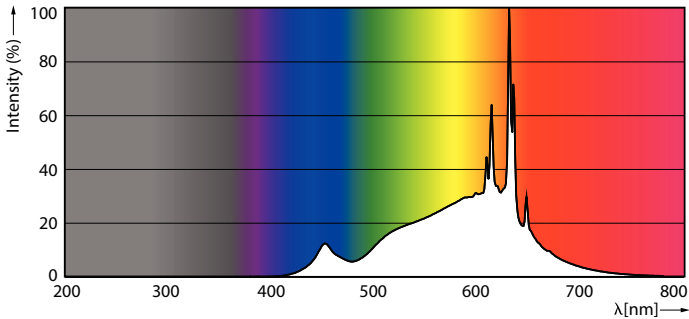
Light Distribution Diagram – MAS LEDspotLV DimTone 7.5-50W MR16 36D



Accent Lighting Spots – MAS LEDspotLV DimTone 7.5-50W MR16 36D

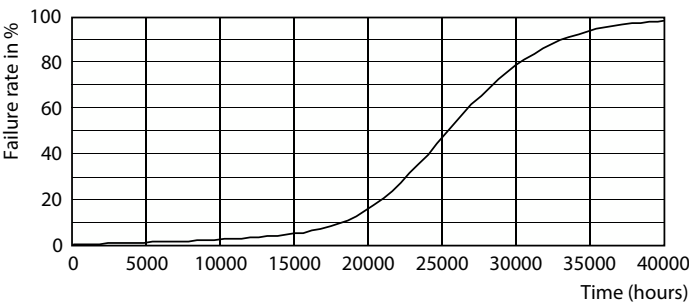
MASTER VALUE LEDspot LV

Photometric data

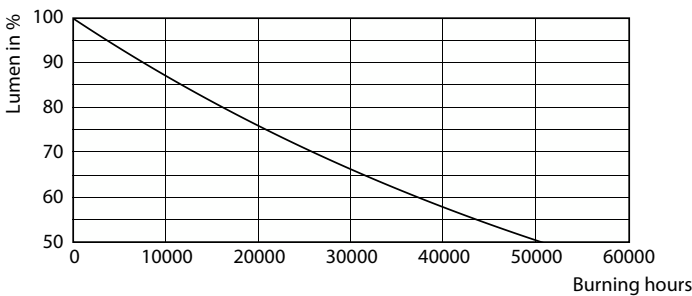


Spectral Power Distribution Colour - MAS LEDspotLV DimTone 7.5-50W
MR16 36D

Lifetime



Life Expectancy Diagram - MAS LEDspotLV DimTone 7.5-50W MR16 36D



Lumen Maintenance Diagram - MAS LEDspotLV DimTone 7.5-50W MR16
36D

