



# MASTER VALUE LED spot MV

## MAS LED spot VLE D 680lm GU10 940 120D

MASTER Value, LEDspot, PAR16, GU10, 4000 K, 680 lm, CRI 90, 25000 h, Glass

Delivering a warm, halogen-like accent beam, the MASTER VALUE is a perfect fit for spot lighting. Thanks to its high CRI, it achieves more natural colours, creating cosy and comfortable ambience for residential and hospitality projects, and emphasising the beauty of merchandise in retail. These LED spots MV GU10 have the familiar look and feel of spot lamps, keeping the classic beauty of glass spots and adding the strong performance of LED technology. The dimming function enables you to create the atmosphere you desire, and it works with broad selection of dimmers. The MASTER VALUE also offers more energy savings than normal LED spots.

### 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		Warranty period	
Cap base	GU10	5 years	
Nominal lifetime	25,000 h	Light Technical	
Switching Cycle	50,000	Colour Code	940 [CCT of 4000K]
Lighting Technology	LEDspot	Beam angle (nom.)	120 degree(s)
Flux measurement reference	Sphere	Luminous Flux	680 lm
		Luminous intensity (nom.)	220 cd

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Colour designation	Cool White (CW)
Correlated Colour Temperature (Nom)	4000 K
Luminous efficacy (rated) (nom.)	123 lm/W
Colour consistency	<6
Colour rendering index (CRI)	90
LLMF at end of nominal lifetime (nom.)	70 %
Photobiological safety according to EN 62471	RG1

## Operating and Electrical

Input frequency	50 to 60 Hz
Power Consumption	5.5 W
Lamp current (nom.)	27 mA
Starting time (nom.)	0.5 s
Warm-up time to 60% light	0.5 s
Power Factor (Fraction)	0.9
Voltage (nom.)	220-240 V

## Temperature

T-Case maximum (nom.)	66 °C
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## Controls and Dimming

Dimmable	Only with specific dimmers
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## Mechanical and Housing

Lamp Finish	Frosted
Bulb material	Glass
Bulb shape	PAR16
Net Weight (Piece)	0.048 kg

## Approval and Application

Energy Efficiency Class	E
Suitable for accent lighting	No
Energy consumption kWh/1,000 hours	6 kWh
EPREL Registration Number	2192980
CE mark	Yes
EU RoHS compliant	Yes
EyeComfort	Yes
Flickering value (PstLM)	1
Stroboscopic effect	0.4
Ambient temperature range	-20 to +45 °C

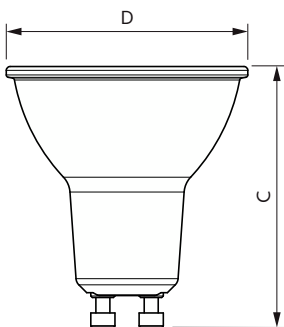
## Application Conditions

Can it be used in closed luminaires	No
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## Product Data

Order product name	MAS LED spot VLE D 680lm GU10 940 120D
Full product name	MAS LED spot VLE D 680lm GU10 940 120D
Full EOC	872110303831900
Order code	929004256302
Material no. (12 NC)	929004256302
Numerator – quantity per pack	1
EAN/UPC – Product/Case	8721103038319
Numerator – packs per outer box	10
EAN/UPC – Case	8721103038326

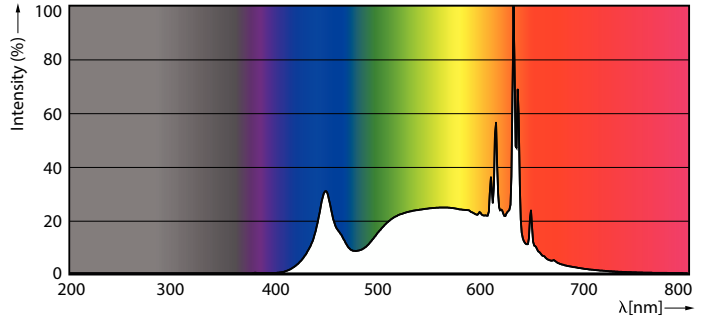
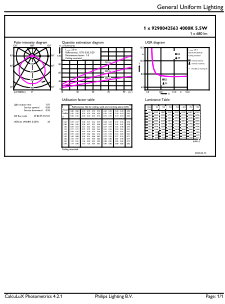
## Dimensional drawing



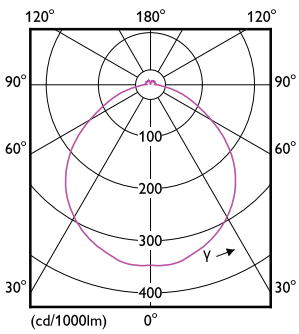
Product	D	C
MAS LED spot VLE D 680lm GU10 940 120D	50 mm	55.5 mm

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## Photometric data

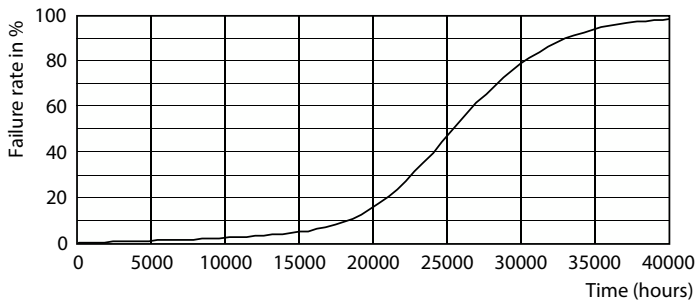


General uniform lighting - MAS LED spot VLE D 680lm GU10 940 120D      Spectral Power Distribution Colour - MAS LED spot VLE D 680lm GU10 940 120D

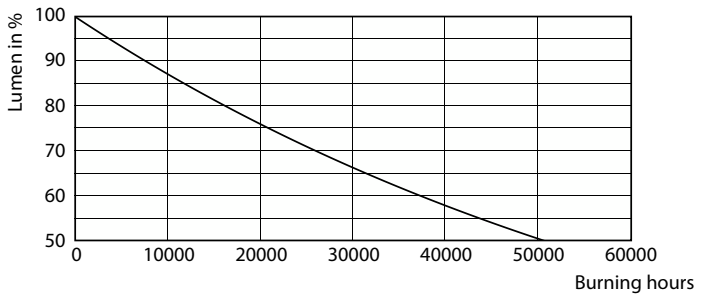


Light Distribution Diagram - MAS LED spot VLE D 680lm GU10 940 120D

## Lifetime



Life Expectancy Diagram



Lumen Maintenance Diagram - MAS LED spot VLE D 680lm GU10 940 120D

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