



MASTER VALUE LEDspot MV

MASTER LED spot VLE D 680lm GU10 940 120D

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		Light Technical	
Cap base	GU10	Luminous intensity (nom.)	220 cd
Nominal lifetime	25,000 h	Colour designation	Cool White (CW)
Switching Cycle	50,000	Correlated Colour Temperature (Nom)	4000 K
Lighting Technology	LED	Luminous efficacy (rated) (nom.)	123 lm/W
Flux measurement reference	Sphere	Colour consistency	<6
		Colour rendering index (CRI)	90
		LLMF at end of nominal lifetime (nom.)	70 %
		Photobiological safety according to EN 62471	RG1
Light Technical		Operating and Electrical	
Colour Code	940 [CCT of 4000K]	Input frequency	50 to 60 Hz
Beam angle (nom.)	120 degree(s)		
Luminous Flux	680 lm		

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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

Suitable for accent lighting	No
Energy consumption kWh/1,000 hours	6 kWh
CE mark	Yes

EU RoHS compliant	Yes
EyeComfort	Yes
Flickering value (PstLM)	1
Stroboscopic effect	0.4
Ambient temperature range	-20 to +45 °C

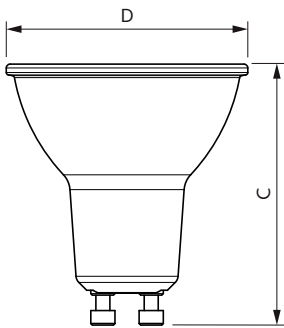
Application Conditions

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	MASTER LED spot VLE D 680lm GU10 940 120D
Full EOC	872110303831900
Order code	03831900
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

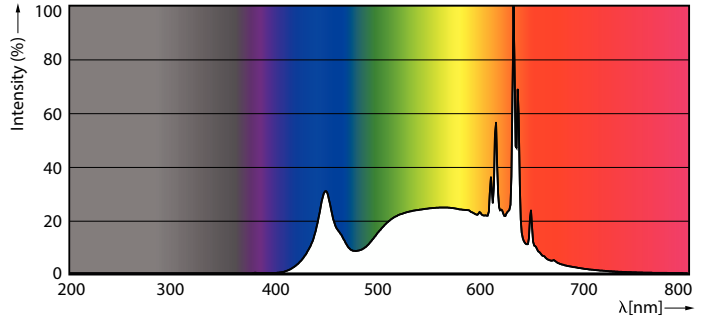
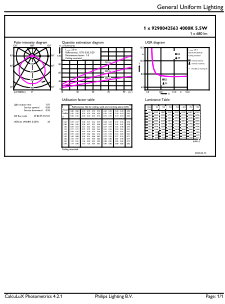
Dimensional drawing



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

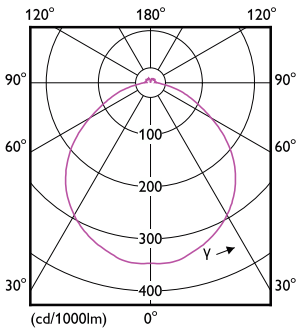
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Photometric data



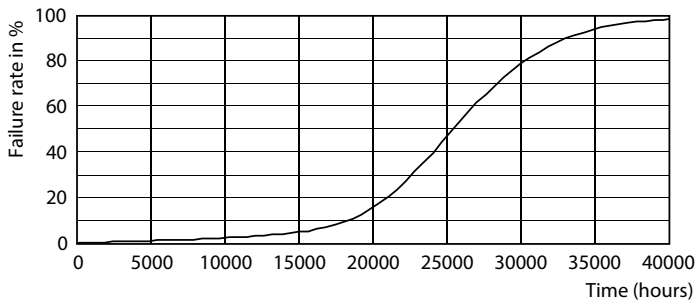
General uniform lighting - MAS LED spot VLE D 680lm GU10 940 120D

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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