



MASTER VALUE LEDspot MV

MAS LED spot VLE D 680lm GU10 940 120D

Delivering a warm, halogen-like accent beam, MASTER VALUE is a perfect fit for spot lighting. Thanks to its high CRI, it realizes more natural colors, creating cozy and comfortable ambiances for residential and hospitality projects, and emphasizing 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. 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	
Cap-Base	GU10
Nominal lifetime	25,000 hour(s)
Switching Cycle	50,000
Lighting Technology	LED
Flux measurement reference	Sphere
Light Technical	
Color Code	940 [CCT of 4000K]
Beam Angle (Nom)	120 degree(s)
Luminous Flux	680 lm

Luminous Intensity (Nom)	220 cd
Color Designation	Cool White (CW)
Correlated Color Temperature (Nom)	4000 K
Luminous Efficacy (rated) (Nom)	123 lm/W
Color Consistency	<6
Color 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
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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

Bulb 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/1000 h	6 kWh
EPREL Registration Number	2192980
CE mark	Yes

EU RoHS compliant	Yes
EyeComfort	Yes
Flickering value (PstLM) - Flickering value as per EN 61000-3-3	1
Stroboscopic effect visibility measure (SVM)	0.4
Ambient temperature range	-20 to +45 °C

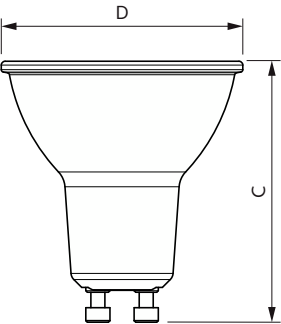
Application Conditions

can it be used in closed luminaires	No
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Product Data

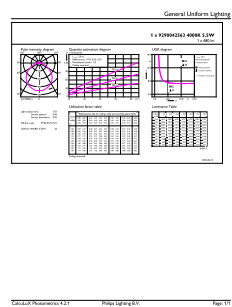
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Full product name	MAS LED spot VLE D 680lm GU10 940 120D
Full product code	872110303831900
Order code	929004256302
Material Nr. (12NC)	929004256302
Numerator - Quantity Per Pack	1
EAN/UPC - Product/Case	8721103038319
Numerator - Packs per outer box	10
EAN/UPC - Case	8721103038326

Dimensional drawing

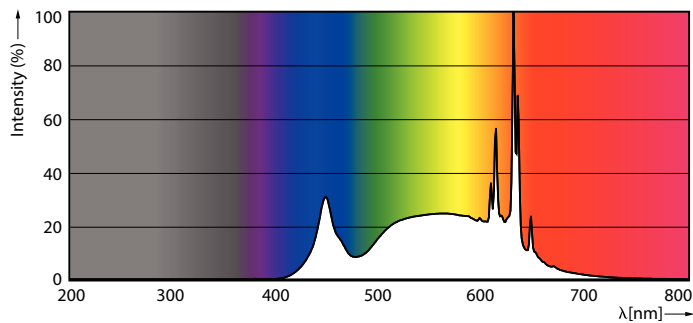


Product	D	C
MAS LED spot VLE D 680lm GU10 940 120D	50 mm	55.5 mm

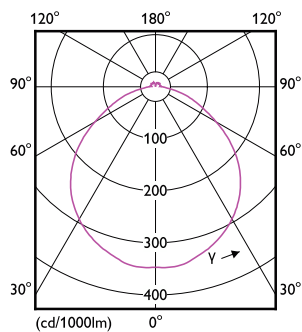
Photometric data



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

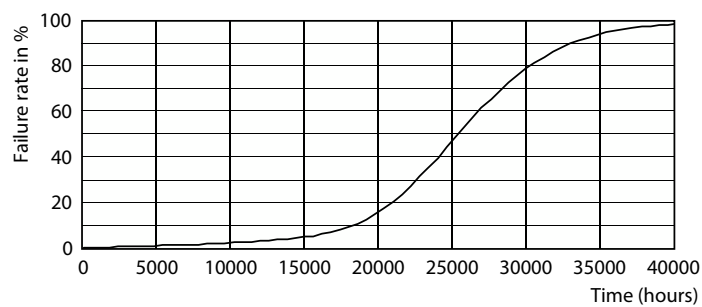


Spectral Power Distribution Colour - MAS LED spot VLE D 680lm GU10 940 120D

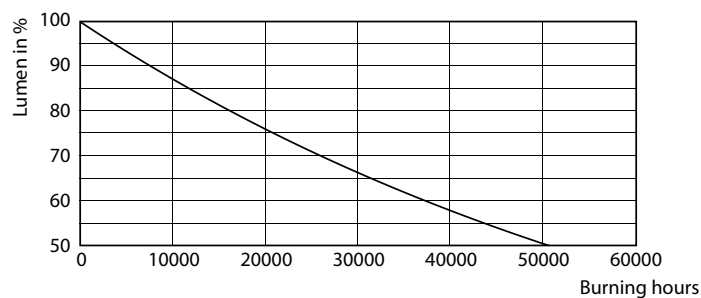


Light Distribution Diagram - MAS LED spot VLE D 680lm GU10 940 120D

Lifetime



Life Expectancy Diagram



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

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