



# MASTER VALUE LEDspot MV



## MAS LED spot VLE D 680lm GU10 965 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 that 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
EU RoHS compliant	Yes
Light Technical	
Color Code	6500
Beam Angle (Nom)	120 degree(s)

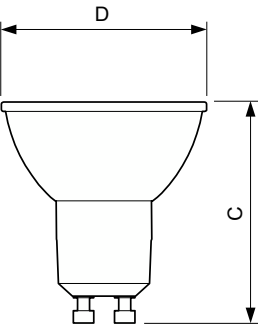
Luminous Flux	680 lm
Luminous Intensity (Nom)	200 cd
Color Designation	6500 Kelvin
Correlated Color Temperature (Nom)	6500 K
Luminous Efficacy (rated) (Nom)	109.00 lm/W
Color Consistency	<6
Color rendering index (CRI)	90
LLMF At End Of Nominal Lifetime (Nom)	70 %
Flickering value (PstLM) - Flickering value as per EN 61000-3-3	1
Stroboscopic effect visibility measure (SVM)	0.4

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Photobiological safety according to EN 62471	RG1
Operating and Electrical	
Line Frequency	50 to 60 Hz
Input Frequency	50 to 60 Hz
Power Consumption	6.2 W
Lamp Current (Nom)	33 mA
Starting Time (Nom)	0.5 s
Warm-up time to 60% light	0.5 s
Power Factor (Fraction)	0.88
Voltage (Nom)	220-240 V
Temperature	
T-Case Maximum (Nom)	80 °C
Controls and Dimming	
Dimmable	Only with specific dimmers
Mechanical and Housing	
Bulb Shape	PAR16
Approval and Application	
Energy Efficiency Class	F

Suitable For Accent Lighting	No
Energy Consumption kWh/1000 h	7 kWh
EPREL Registration Number	391919
EyeComfort	Yes
Application Conditions	
can it be used in closed luminaires	No
Product Data	
Order product name	MAS LED spot VLE D 680lm GU10 965 120D
Full product name	MAS LED spot VLE D 680lm GU10 965 120D
Full product code	871869970613500
Order code	929002210202
Material Nr. (12NC)	929002210202
Numerator - Quantity Per Pack	1
EAN/UPC - Product/Case	8718699706135
Numerator - Packs per outer box	10
EAN/UPC - Case	8718699706579

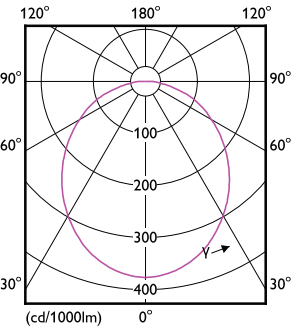
Dimensional drawing



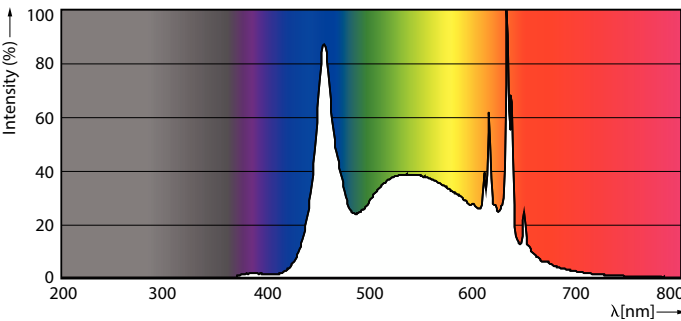
Product	D	C
MAS LED spot VLE D 680lm GU10 965 120D	50 mm	54 mm

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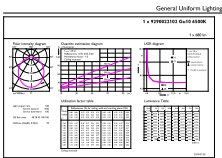
Photometric data



Light Distribution Diagram - MAS LED spot VLE D 680lm GU10 965 120D



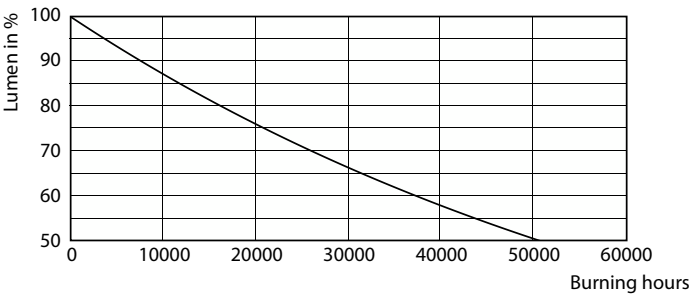
Spectral Power Distribution Colour - MAS LED spot VLE D 680lm GU10 965 120D



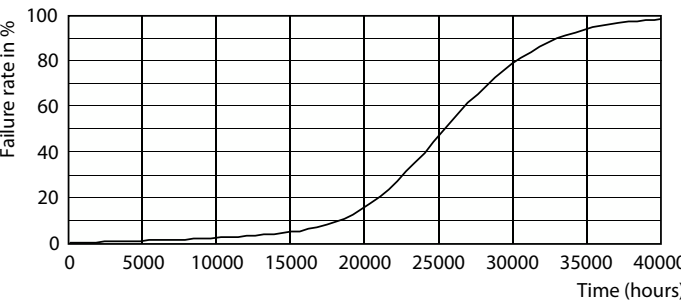
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Accent Lighting Spots - MAS LED spot VLE D 680lm GU10 965 120D

Lifetime



Lumen Maintenance Diagram - MAS LED spot VLE D 680lm GU10 965 120D



Life Expectancy Diagram - MAS LED spot VLE D 680lm GU10 965 120D

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