

MASTER VALUE LEDs pot LV

MASTER LED SPOT VLE D 7-50W MR16 830 36D

Delivering a warm, halogen-like accent beam, MASTER LEDspot LV is an ideal retrofit solution for spot and general lighting applications in the hospitality industry. It is particularly suited to public areas such as receptions, lobbies, corridors, stairwells and washrooms, where the light is on all the time. The robustly designed MASTER LEDspot offers a choice of beam angles for a clearly defined beam spread. There is no UV or IR in the beam, making it suitable for illuminating heat-sensitive objects (food, organic materials, paintings, etc.). The patented intelligent driver enables broad compatibility with existing electromagnetic and electronic halogen transformers. The dimmable versions drive further efficiencies, while helping to create the desired atmosphere.

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 [GU5.3]
Nominal lifetime	25,000 hour(s)
Switching Cycle	50,000
Lighting Technology	LED
EU RoHS compliant	Yes

Light Technical	
Color Code	830 [CCT of 3000K]
Beam Angle (Nom)	36 degree(s)
Luminous Flux	630 lm
Luminous Intensity (Nom)	1,500 cd
Color Designation	White (WH)
Correlated Color Temperature (Nom)	3000 K
Luminous Efficacy (rated) (Nom)	90.00 lm/W
Color Consistency	<6
Color rendering index (CRI)	80
LLMF At End Of Nominal Lifetime (Nom)	70 %

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Luminous Flux in 90° Cone (Rated)	630 lm

Operating and Electrical

Line Frequency	- Hz
Input Frequency	- Hz
Power Consumption	7 W
Lamp Current (Nom)	770 mA
Wattage Equivalent	50 W
Starting Time (Nom)	0.5 s
Warm-up time to 60% light	0.5 s
Power Factor (Fraction)	0.8
Voltage (Nom)	12 V

Temperature

T-Case Maximum (Nom)	85 °C

Controls and Dimming

Dimmable	Yes

Mechanical and Housing

Bulb Shape	MR16 [2inch/50mm]

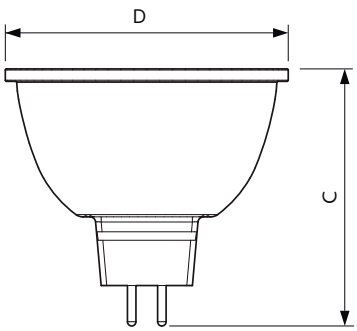
Approval and Application

Suitable For Accent Lighting	Yes
Energy Consumption kWh/1000 h	8 kWh
EyeComfort	Yes

Product Data

Order product name	MAS LED SPOT VLE D 7-50W MR16 830 36D
Full product name	MASTER LED SPOT VLE D 7-50W MR16 830 36D
Full product code	871869681556400
Order code	81556400
Material Nr. (12NC)	929001903502
Numerator - Quantity Per Pack	1
EAN/UPC - Product/Case	8718696815564
Numerator - Packs per outer box	10
EAN/UPC - Case	8718696815571

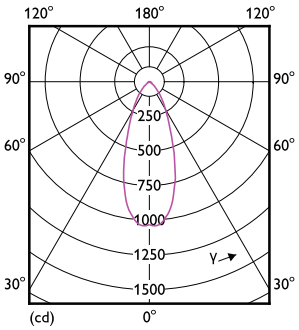
Dimensional drawing



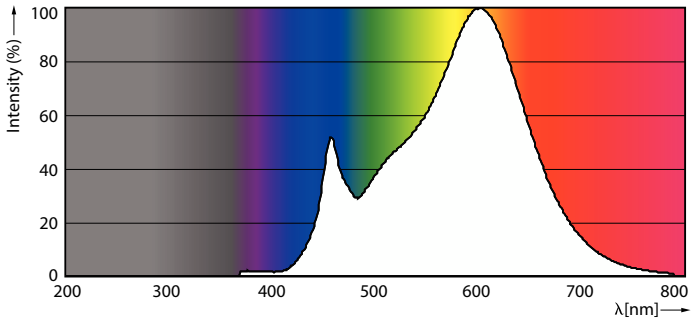
Product	D	C
MAS LED SPOT VLE D 7-50W MR16 830 36D	50.5 mm	45 mm

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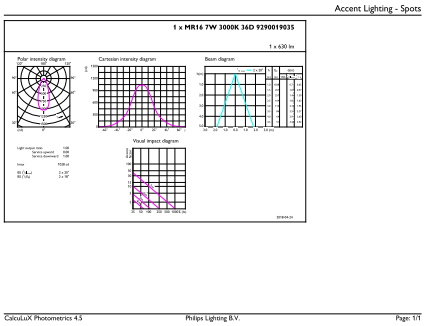
Photometric data



Light Distribution Diagram - MAS LED SPOT VLE D 7-50W MR16 830 36D

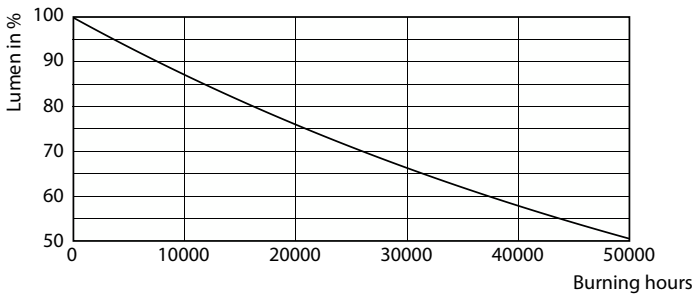


Spectral Power Distribution Colour - MAS LED SPOT VLE D 7-50W MR16 830 36D

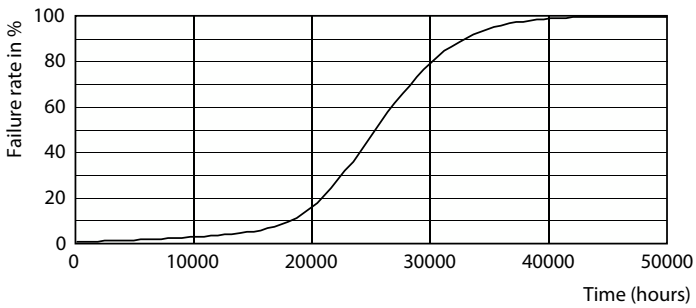


Accent Lighting Spots - MAS LED SPOT VLE D 7-50W MR16 830 36D

Lifetime



Lumen Maintenance Diagram - MAS LED SPOT VLE D 7-50W MR16 830 36D



Life Expectancy Diagram - MAS LED SPOT VLE D 7-50W MR16 830 36D

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2023, April 29 - data subject to change