



MASTER VALUE LEDs

pot LV

MASTER LED SPOT VLE D 7-50W MR16 840 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

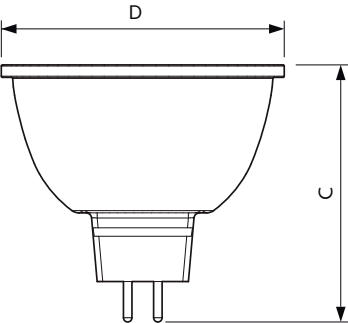
Product data

General Information			
Cap-Base	GU5.3 [GU5.3]	Beam Angle (Nom)	36 degree(s)
Nominal lifetime	25,000 hour(s)	Luminous Flux	660 lm
Switching Cycle	50,000	Luminous Intensity (Nom)	1,650 cd
Lighting Technology	LED	Color Designation	Cool White (CW)
EU RoHS compliant	Yes	Correlated Color Temperature (Nom)	4000 K
		Luminous Efficacy (rated) (Nom)	94.00 lm/W
		Color Consistency	<6
		Color rendering index (CRI)	80
		LLMF At End Of Nominal Lifetime (Nom)	70 %
Light Technical			
Color Code	840 [CCT of 4000K]		

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Luminous Flux in 90° Cone (Rated)	660 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]

Dimensional drawing

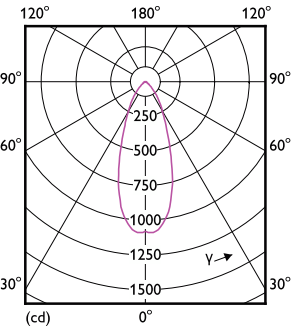


Approval and Application	
Suitable For Accent Lighting	Yes
Energy Consumption kWh/1000 h	8 kWh
EyeComfort	Yes
Product Data	
Order product name	MAS LED SPOT VLE D 7-50W MR16 840 36D
Full product name	MASTER LED SPOT VLE D 7-50W MR16 840 36D
Full product code	871869681558800
Order code	81558800
Material Nr. (12NC)	929001903602
Numerator - Quantity Per Pack	1
EAN/UPC - Product/Case	8718696815588
Numerator - Packs per outer box	10
EAN/UPC - Case	8718696815595

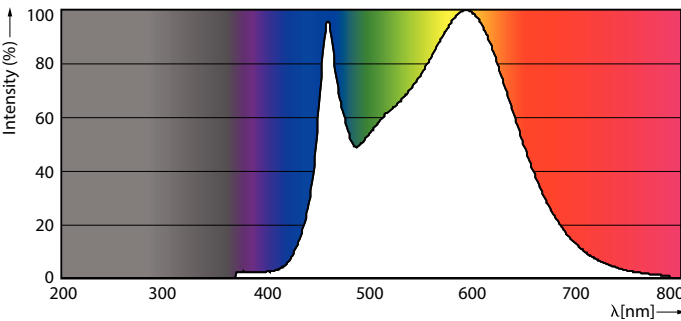
Product	D	C
MAS LED SPOT VLE D 7-50W MR16 840 36D	50.5 mm	45 mm

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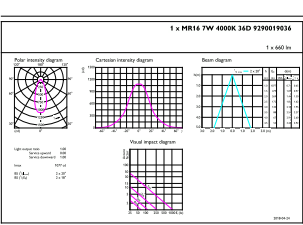
Photometric data



Light Distribution Diagram - MAS LED SPOT VLE D 7-50W MR16 840 36D



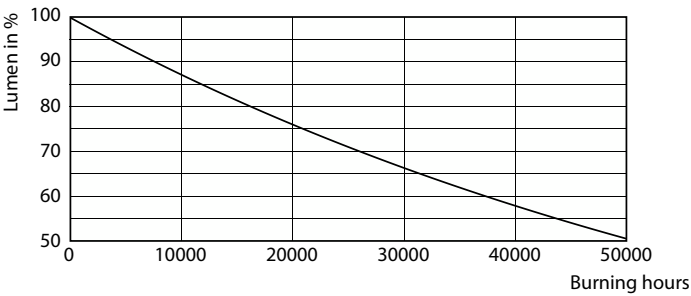
Spectral Power Distribution Colour - MAS LED SPOT VLE D 7-50W MR16 840 36D



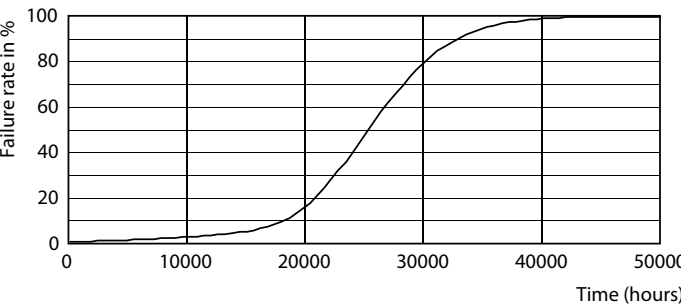
Accent Lighting - Spots

Accent Lighting Spots - MAS LED SPOT VLE D 7-50W MR16 840 36D

Lifetime



Lumen Maintenance Diagram - MAS LED SPOT VLE D 7-50W MR16 840 36D



Life Expectancy Diagram - MAS LED SPOT VLE D 7-50W MR16 840 36D

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