



# MASTER VALUE LEDs pot LV

## MASTER LED 7-50W 827 MR16 24D Dim

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	40,000 hour(s)
Switching Cycle	50,000
Lighting Technology	LED
EU RoHS compliant	Yes
Light Technical	
Color Code	827 [CCT of 2700K]

Beam Angle (Nom)	24 degree(s)
Luminous Flux	420 lm
Luminous Intensity (Nom)	2,100 cd
Color Designation	Warm White (WW)
Correlated Color Temperature (Nom)	2700 K
Luminous Efficacy (rated) (Nom)	57.14 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)	400 lm
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## Operating and Electrical

Power Consumption	7 W
Lamp Current (Nom)	720 mA
Wattage Equivalent	50 W
Starting Time (Nom)	0.5 s
Warm-up time to 60% light	1 s
Power Factor (Fraction)	0.7
Voltage (Nom)	12 V

## Temperature

T-Case Maximum (Nom)	92 °C
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## Controls and Dimming

Dimmable	Yes
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## Mechanical and Housing

Bulb Shape	MR16 [2inch/50mm]
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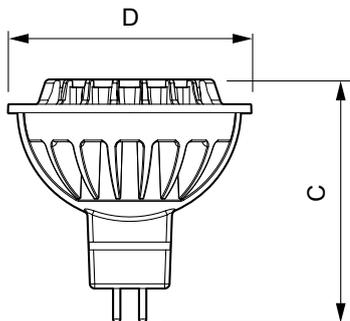
## Approval and Application

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

## Product Data

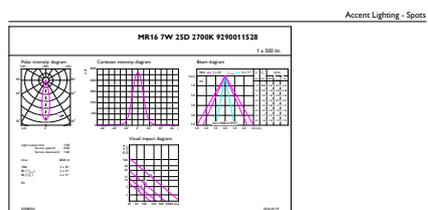
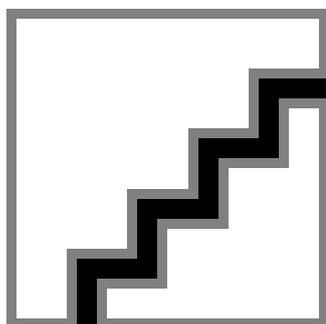
Order product name	MASTER LED 7-50W 827 MR16 24D Dim
Full product name	MASTER LED 7-50W 827 MR16 24D Dim
Full product code	871869648957400
Order code	929001152808
Material Nr. (12NC)	929001152808
Numerator - Quantity Per Pack	1
EAN/UPC - Product/Case	8718696489574
Numerator - Packs per outer box	10
EAN/UPC - Case	8718696489581

## Dimensional drawing



Product	D	C
MASTER LED 7-50W 827 MR16 24D Dim	51 mm	51 mm

## Photometric data



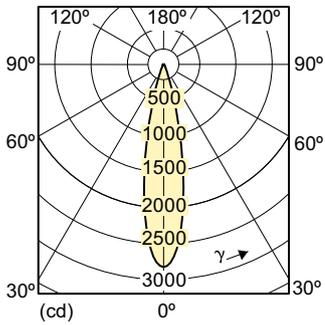
CalculX Photometrics 4.3 Philips Lighting B.V. Page 1/1

Spectral Power Distribution Colour - MASTER LED 7-50W 827 MR16 24D Dim

General uniform lighting - MASTER LED 7-50W 827 MR16 24D Dim

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## Photometric data



Light Distribution Diagram - MASTER LED 7-50W 827 MR16 24D Dim

