



# MASTER VALUE LED spot LV

## MASTER LEDspotLV 3.5-20W 827 MR11 24D

MASTER, LEDspot, MR11, 20 W, GU4, 2700 K, 200 lm, CRI 80, 40000 hour(s)

MASTER, LEDspot, MR11, 20 W, GU4, 2700 K, 200 lm, CRI 80, 40000 hour(s), 57.00 lm/W, EEL G, PF 0.7, Beam angle 24 degree(s), RG1, IP20

### 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		Color Designation	
Cap-Base	GU4	Color Designation	Warm White (WW)
Nominal lifetime	40,000 hour(s)	Correlated Color Temperature (Nom)	2700 K
Switching Cycle	50,000	Luminous Efficacy (rated) (Nom)	57.00 lm/W
Lighting Technology	LEDspot	Color Consistency	<6
Flux measurement reference	Narrow Cone	Color rendering index (CRI)	80
Warranty period	5 years	LLMF At End Of Nominal Lifetime (Nom)	70 %
		Luminous Flux in 90° Cone (Rated)	200 lm
		Photobiological safety according to EN 62471	RG1
Light Technical		Operating and Electrical	
Color Code	827 [CCT of 2700K]	Line Frequency	- Hz
Beam Angle (Nom)	24 degree(s)	Input Frequency	- Hz
Luminous Flux	200 lm	Power Consumption	3.5 W
Luminous Intensity (Nom)	1,000 cd		

## MASTER VALUE LED spot LV

Lamp Current (Nom)	400 mA
Wattage Equivalent	20 W
Starting Time (Nom)	0.5 s
Warm-up time to 60% light	0.5 s
Power Factor (Fraction)	0.7
Voltage (Nom)	ac electronic 12 V

### Temperature

T-Case Maximum (Nom)	85 °C
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### Controls and Dimming

Dimmable	No
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### Mechanical and Housing

Bulb Finish	Clear
Bulb Shape	MR11
Net Weight (Piece)	0.018 kg

### Approval and Application

Energy Efficiency Class	G
Suitable For Accent Lighting	Yes
Energy Consumption kWh/1000 h	4 kWh
EPREL Registration Number	680249

CE mark	Yes
EU RoHS compliant	Yes
EyeComfort	Yes
Ambient temperature range	-20 to +45 °C

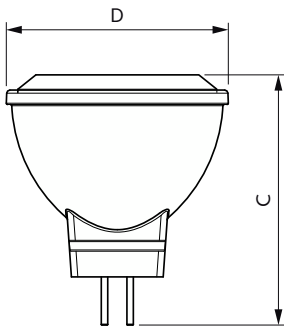
### Application Conditions

can it be used in closed luminaires	No
Wireless Technology	Not applicable

### Product Data

Order product name	MAS LEDspotLV 3.5-20W 827 MR11 24D
Full product name	MASTER LEDspotLV 3.5-20W 827 MR11 24D
Full product code	871951435990100
Order code	35990100
Material Nr. (12NC)	929003087002
Numerator - Quantity Per Pack	1
EAN/UPC - Product/Case	8719514359901
Numerator - Packs per outer box	12
EAN/UPC - Case	8719514359918

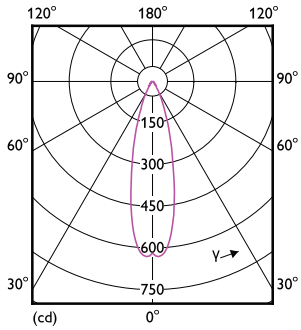
## Dimensional drawing



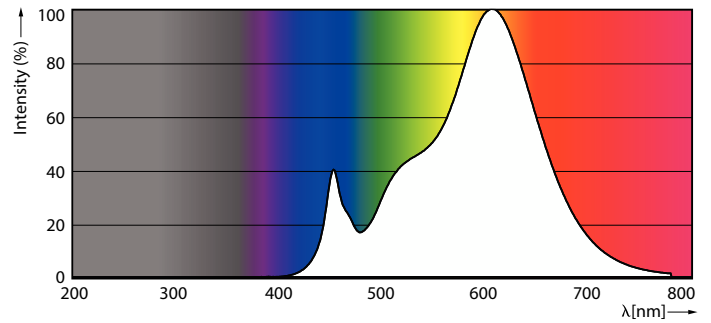
Product	D	C
MAS LEDspotLV 3.5-20W 827 MR11 24D	35.1 mm	39.5 mm

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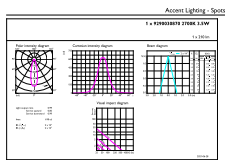
## Photometric data



Light Distribution Diagram - MAS LEDspotLV 3.5-20W 827 MR11 24D



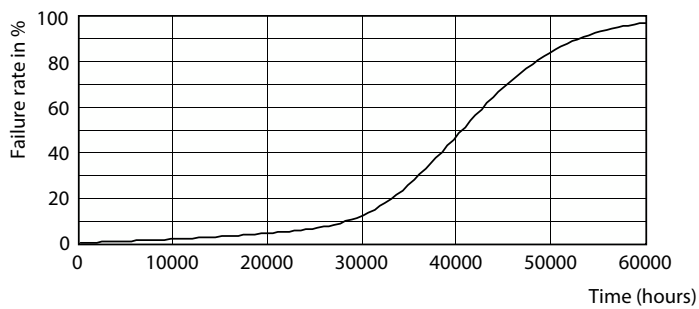
Spectral Power Distribution Colour - MAS LEDspotLV 3.5-20W 827 MR11 24D



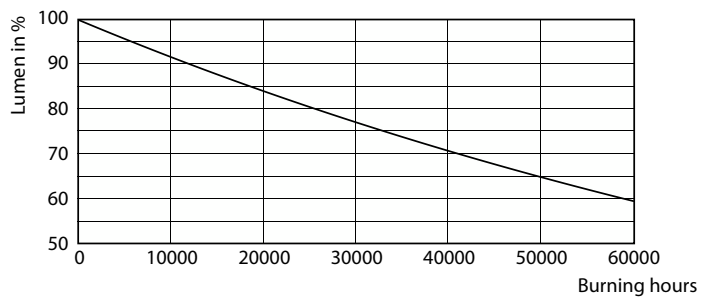
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Accent Lighting Spots - MAS LEDspotLV 3.5-20W 827 MR11 24D

## Lifetime



Life Expectancy Diagram



Lumen Maintenance Diagram - MAS LEDspotLV 3.5-20W 827 MR11 24D

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