PHILIPS

Lighting



MASTER VALUE LED spot LV

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MAS 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	
Cap-Base	GU4
Nominal lifetime	40,000 hour(s)
Switching Cycle	50,000
Lighting Technology	LEDspot
Flux measurement reference	Narrow Cone
Warranty period	5 years

Light Technical	
Color Code	827 [CCT of 2700K]
Beam Angle (Nom)	24 degree(s)
Luminous Flux	200 lm
Luminous Intensity (Nom)	1,000 cd

Color Designation	Warm White (WW)
Correlated Color Temperature (Nom)	2700 K
Luminous Efficacy (rated) (Nom)	57.00 lm/W
Color Consistency	<6
Color rendering index (CRI)	80
LLMF At End Of Nominal Lifetime (Nom)	70 %
Luminous Flux in 90° Cone (Rated)	200 lm
Photobiological safety according to EN 62471	RG1

Operating and Electrical	
Line Frequency	- Hz
Input Frequency	- Hz
Power Consumption	3.5 W

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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

Controls and Dimming

Dimmable	No

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

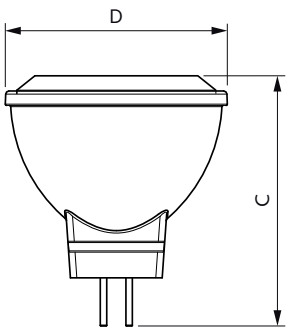
Application Conditions

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

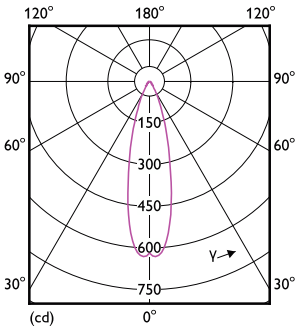
Dimensional drawing



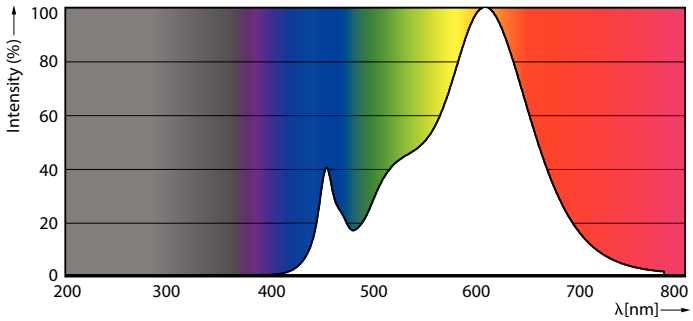
Product	D	C
MAS LEDspotLV 3.5-20W 827 MR11 24D	35.1 mm	39.5 mm

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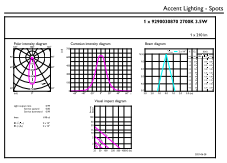
Photometric data



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

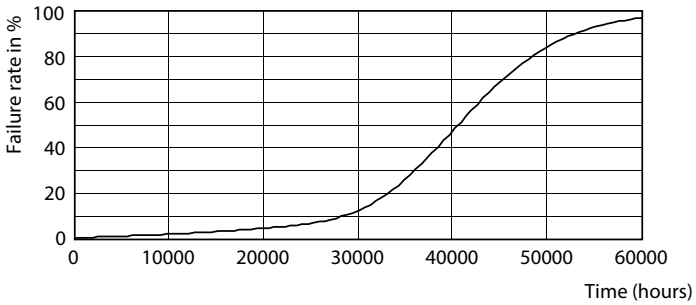


Spectral Power Distribution Colour - MAS LEDspotLV 3.5-20W 827 MR11 24D

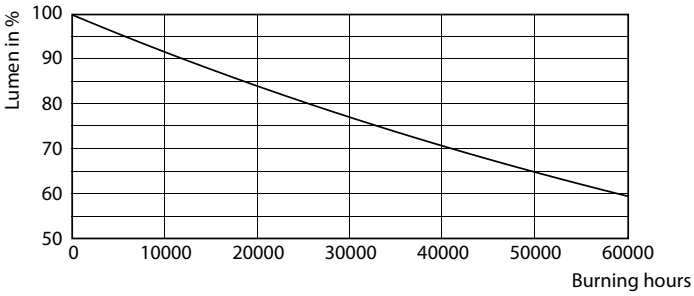


Accent Lighting Spots - MAS LEDspotLV 3.5-20W 827 MR11 24D

Lifetime



Life Expectancy Diagram



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

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