



# MASTER LEDspot ExpertColor AR111



## MAS LEDspotLV D 20-100W 927 AR111 45D

The MASTER LEDspot LV ExpertColor creates a warm and comfortable ambience for hospitality venues, homes and restaurants. It creates ambience with superior lighting that has a customised spectrum, high CRI and deep dimming features. The result? A beautiful lighting experience. What's more, the innovative, trimless lens design will also suit almost any interior decor with its clean and neat look. In addition, you can take advantage of the full ExpertColor family, which also includes LEDspot LV and LEDspot Par lamps.

### Product data

General Information	
Cap base	G53 [G53]
Nominal lifetime	25,000 h
Switching Cycle	50,000
Lighting Technology	LED
Flux measurement reference	Narrow Cone
CE mark	Yes
EU RoHS compliant	Yes
Light Technical	
Colour Code	927 [CCT of 2700K]
Beam angle (nom.)	45 degree(s)
Luminous Flux	1,270 lm
Luminous intensity (nom.)	2,100 cd
Colour designation	Warm White (WW)
Correlated Colour Temperature	2700 K
Luminous efficacy (rated) (nom.)	63.00 lm/W
Colour consistency	<4

Colour rendering index (CRI)	91
LLMF at end of nominal lifetime (nom.)	70 %
Luminous flux in 90° cone (rated)	1,270 lm
Photobiological safety according to EN 62471	RG1
Operating and Electrical	
Line Frequency	50 to 60 Hz
Input frequency	50 to 60 Hz
Power Consumption	20 W
Lamp current (nom.)	2,000 mA
Wattage equivalent	100 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

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## Temperature

T-Case maximum (nom.)	97 °C
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## Controls and Dimming

Dimmable	Only with specific dimmers
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## Mechanical and Housing

Lamp Finish	Clear
Bulb shape	AR111

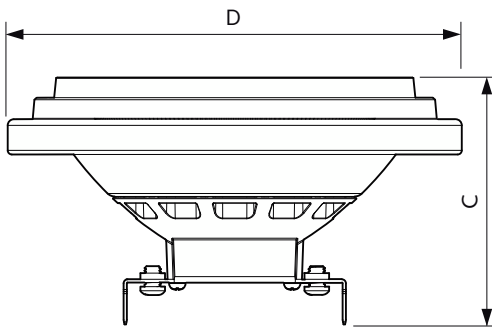
## Approval and Application

Energy Efficiency Class	G
Suitable for accent lighting	Yes
Energy consumption kWh/1,000 hours	20 kWh
EPREL registration number	648251
EyeComfort	Yes

## Product Data

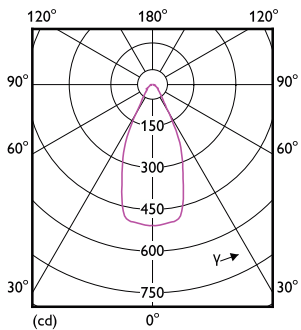
Order product name	MAS LEDspotLV D 20-100W 927 AR111 45D
Full product name	MAS LEDspotLV D 20-100W 927 AR111 45D
Full EOC	871869970513800
Order code	70513800
Material no. (12 NC)	929002050402
SAP numerator – quantity per pack	1
EAN/UPC – Product/Case	8718699705138
Numerator – packs per outer box	6
EAN/UPC – Case	8719514275720

## Dimensional drawing

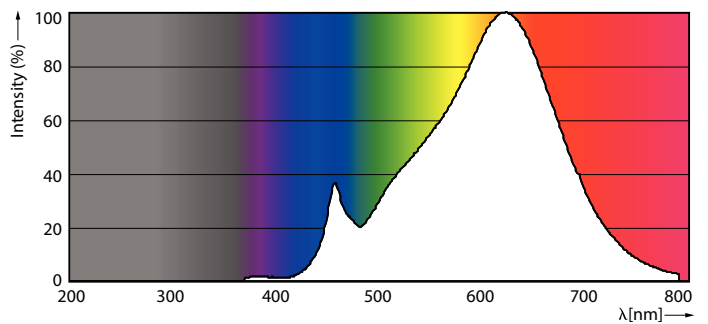


Product	D	C
MAS LEDspotLV D 20-100W 927 AR111 45D	111 mm	62 mm

## Photometric data



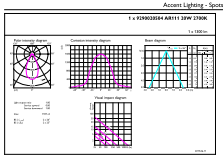
Light Distribution Diagram - MAS LEDspotLV D 20-100W 927 AR111 45D



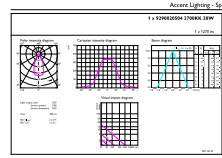
Spectral Power Distribution Colour - MAS LEDspotLV D 20-100W 927 AR111 45D

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## Photometric data



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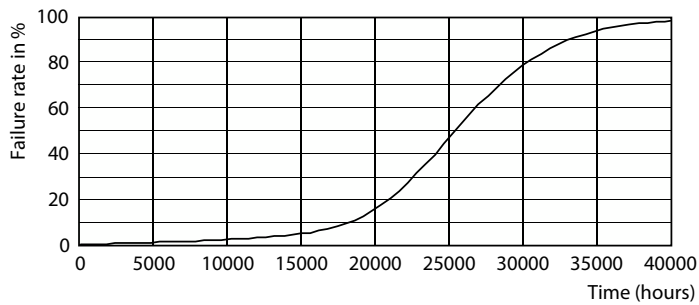


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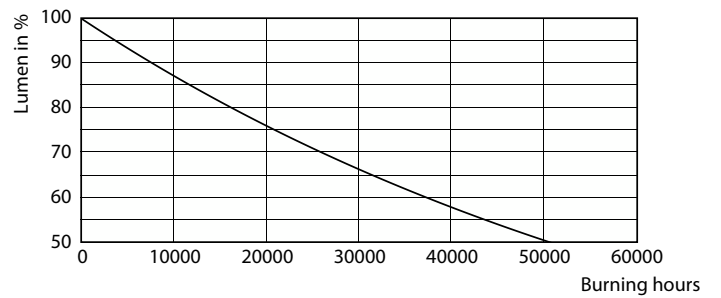
General uniform lighting - MAS LEDspotLV D 20-100W 927 AR111 45D

Accent Lighting Spots - MAS LEDspotLV D 20-100W 927 AR111 45D

## Lifetime



Life Expectancy Diagram - MAS LEDspotLV D 20-100W 927 AR111 45D



Lumen Maintenance Diagram - MAS LEDspotLV D 20-100W 927 AR111 45D

