

PHILIPS

Lighting



MASTER LEDspot ExpertColor AR111

MAS LEDExpertColor 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]
EU RoHS compliant	Yes
Nominal lifetime (nom.)	40000 h
Switching cycle	50,000X
Light technical	
Colour Code	927 [CCT of 2,700 K]
Technical Beam Angle (Nom)	45 °
Lamp Luminous Flux 25°C EL (Nom)	1500 lm
Luminous intensity (nom.)	2100 cd
Colour Designation	Warm white (WW)
Colour Temperature, horizontal (Nom)	2700 K
Lamp Luminous Efficacy EM (Nom)	75.00 lm/W
Colour consistency	<4
Colour Rendering Index,horiz (Nom)	97
LLMF at end of nominal lifetime (nom.)	70 %

Operating and electrical	
Input frequency	50 to 60 Hz
Power (Rated) (Nom)	20 W
Lamp current (nom.)	2000 mA
Wattage equivalent	100 W
Starting time (nom.)	0.5 s
Warm-up time to 60% light (nom.)	0.5 s
Power factor (nom.)	0.7
Voltage (Nom)	12 V
Temperature	
T-ambient (max.)	45 °C
T-ambient (min.)	-20 °C
T-Case maximum (nom.)	77 °C
Controls and dimming	
Dimmable	Only with specific dimmers

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Mechanical and housing

Lamp Finish	Clear
Bulb shape	AR111

Approval and application

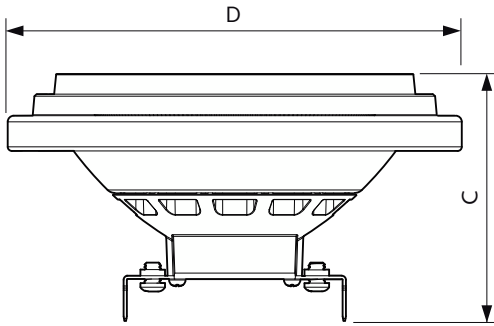
Suitable for accent lighting	Yes
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Product data

Full product code	871951444879700
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Order product name	MAS LEDExpertColor 20-100W 927 AR111 45D
EAN/UPC – product	8719514448797
Order code	929003478908
SAP numerator – quantity per pack	1
Numerator – packs per outer box	6
SAP material	929003478908
Net Weight (Piece)	0.162 kg

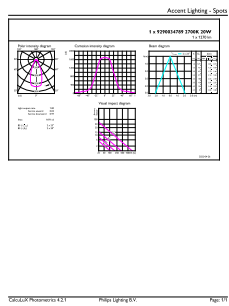
Dimensional drawing



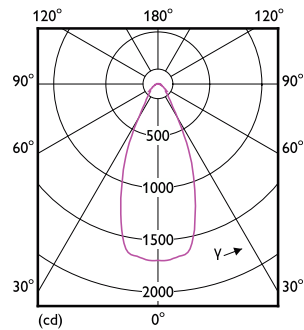
MAS LEDExpertColor 20-100W 927 AR111 45D

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

Photometric data



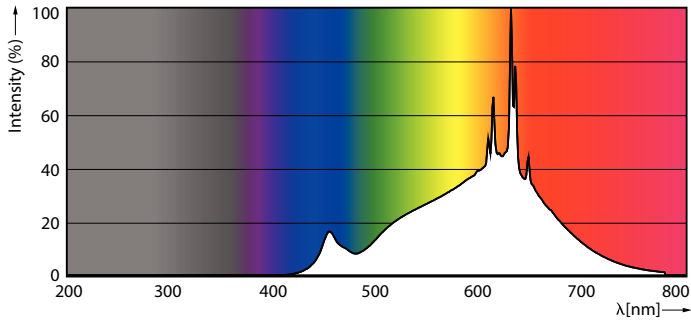
Accent Lighting Spots



Light Distribution Diagram

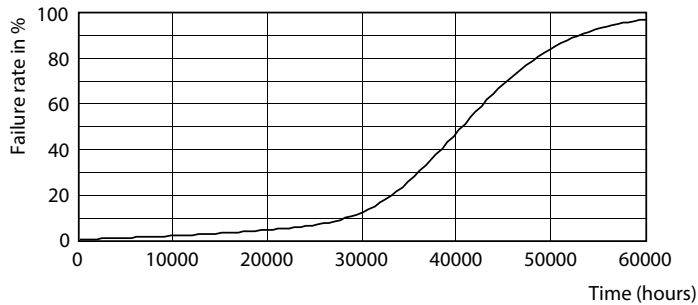
MASTER LEDspot ExpertColor AR111

Photometric data

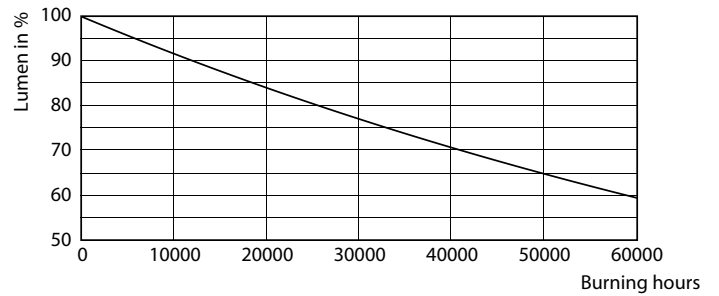


Spectral Power Distribution Colour

Lifetime



Life Expectancy Diagram



Lumen Maintenance Diagram

