# **PHILIPS** Lighting



# MASTER LEDspot ExpertColor AR111

# MAS LEDExpertColor 20-100W 927 AR111 45D

MASTER LEDspot LV ExpertColor creates a warm and comfortable ambience for hospitality venues, homes and restaurants. It creates such an ambience with superior lighting that has a customized spectrum, high CRI, and deep dimming feature. The result? A beautiful lighting experience. What's more, the innovative, trimless lens design will 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 MV and LEDspot Par lamps.

#### **Product data**

General Information	
Cap-Base	G53 [G53]
Nominal lifetime	40,000 hour(s)
Switching Cycle	50,000
Lighting Technology	LED
Light Technical	
Color Code	927 [CCT of 2700K]
Beam Angle (Nom)	45 degree(s)
Luminous Flux	1,500 lumen
Luminous Intensity (Nom)	2,100 cd
Color Designation	Warm White (WW)
Correlated Color Temperature (Nom)	2700 K
Luminous Efficacy (rated) (Nom)	75.00 lm/W
Color Consistency	<4
Color rendering index (CRI)	97
LLMF At End Of Nominal Lifetime (Nom)	70 %

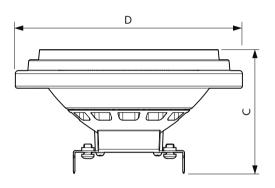
Operating and Electrical	
Line Frequency	50 to 60 Hz
Input Frequency	50 to 60 Hz
Power Consumption	20 W
Lamp Current (Nom)	2,000 mA
Wattage Equivalent	100 W
Starting Time (Nom)	0.5 s
Warm-up time to 60% light	0.5 s
Power Factor (Fraction)	0.7
Voltage (Nom)	12 V
Temperature	
Ambient temperature range	-20 °C to 45 °C
T-Case Maximum (Nom)	77 ℃
Controls and Dimming	
Dimmable	Only with specific dimmers

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Mechanical and Housing	
Bulb Finish	Clear
Bulb Shape	AR111
Approval and Application	
Suitable For Accent Lighting	Yes
EU RoHS compliant	Yes
Product Data	
Full product code	871951444879700

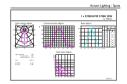
Order product name	MAS LEDExpertColor 20-100W 927 AR111 45E	
Order code	929003478908	
Numerator - Quantity Per Pack	1	
Numerator - Packs per outer box	6	
Material number (12NC)	929003478908	
Full product name	MAS LEDExpertColor 20-100W 927 AR111 45E	
EAN/UPC - Case	8719514448803	

#### Dimensional drawing



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

### Photometric data



Philips Lighting 0.4

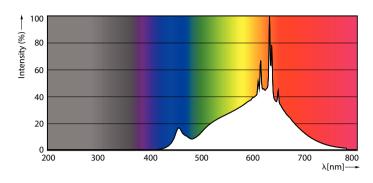
120° 180° 120° 90° 90° ~500-60<sup>°</sup> 60° 1000 -1500γ.... 30 30° 2000-(cd) 0°

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

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

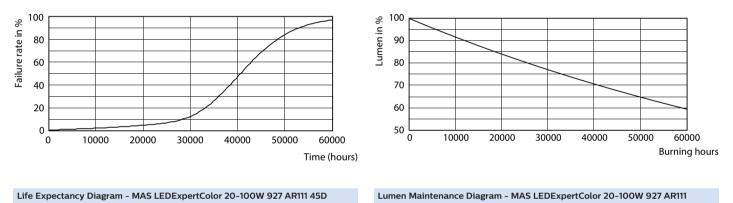
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Photometric data



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

#### Lifetime



45D



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