PHILIPS Lighting



MASTER LEDspot LV AR111

MAS LEDspotLV D 20-100W 830 AR111 40D

Delivering a warm, halogen-like accent beam, MASTER LEDspot LV AR111 is an ideal retrofit solution for spot and general lighting applications in the hospitality and retail industry. It is particularly suitable for general lighting where the light is on all the time, such as creative accent lighting applications in shops, restaurants, hotels, and especially for galleries, exhibitions and museums. The robustly designed MASTER LEDspot LV AR111 offers various beam angles for a clearly defined beam spread. There is no UV or IR in the beam, making it suitable for illuminating heat-sensitive objects (food, organic materials, paintings, etc.). The patented intelligent driver enables broad compatibility with existing electromagnetic and electronic halogen transformers. MASTER LEDspot LV AR111 delivers huge energy savings and minimises maintenance cost without any reduction in brightness.

Product data

General Information		
Cap-Base	G53 [G53]	
Nominal lifetime	25,000 hour(s)	
Switching Cycle	50,000	
Lighting Technology	LED	
EU RoHS compliant	Yes	
Light Technical		
Color Code	830 [CCT of 3000K]	
Beam Angle (Nom)	40 degree(s)	
Luminous Flux	1,350 lm	
Luminous Intensity (Nom)	2,350 cd	
Color Designation	White (WH)	
Correlated Color Temperature (Nom)	3000 K	

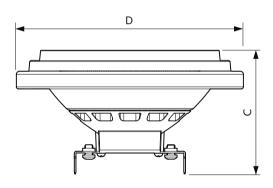
Luminous Efficacy (rated) (Nom)	67.50 lm/W
Color Consistency	<6
Color rendering index (CRI)	80
LLMF At End Of Nominal Lifetime (Nom)	70 %
Operating and Electrical	
Line Frequency	- Hz
Input Frequency	- Hz
Power Consumption	20 W
Lamp Current (Nom)	2,400 mA
Wattage Equivalent	100 W
Starting Time (Nom)	0.5 s
Warm-up time to 60% light	instant full light s
Power Factor (Fraction)	0.7

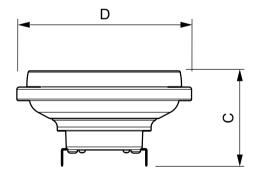
MASTER LEDspot LV AR111

Voltage (Nom)	12 V
Temperature	
T-Case Maximum (Nom)	80 °C
Controls and Dimming	
Dimmable	Yes
Mechanical and Housing	
Bulb Shape	AR111
Approval and Application	
Suitable For Accent Lighting	Yes
Energy Consumption kWh/1000 h	22 kWh

Product Data		
Order product name	MAS LEDspotLV D 20-100W 830 AR111 40D	
Full product name	MAS LEDspotLV D 20-100W 830 AR111 40D	
Full product code	871869651528000	
Order code	929001171208	
Material Nr. (12NC)	929001171208	
Numerator - Quantity Per Pack	1	
EAN/UPC - Product/Case	8718696515280	
Numerator - Packs per outer box	6	
EAN/UPC - Case	8718696515297	

Dimensional drawing





Product	D	с
MAS LEDspotLV D 20-100W 830 AR111 40D	111 mm	62 mm

Product

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MASTER LEDspot LV AR111

Photometric data

	AR111-12W-1	12VAC 40D 3000K	
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Accent Lighting Spots - MAS LEDspotLV D 20-100W 830 AR111 40D

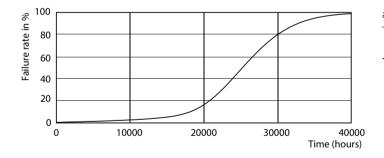
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Spectral Power Distribution Colour - MAS LEDspotLV D 20-100W 830 AR111 40D

Lifetime



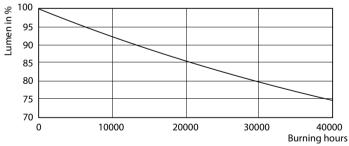
Life Expectancy Diagram - MAS LEDspotLV D 20-100W 830 AR111 40D

Light Distribution Diagram - MAS LEDspotLV D 20-100W 830 AR111 40D

120°

∖180°∕

<u>√120°</u>



Lumen Maintenance Diagram - MAS LEDspotLV D 20-100W 830 AR111 40D

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MASTER LEDspot LV AR111



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www.lighting.philips.com 2023, April 29 - data subject to change