



# MASTER LEDspot LV AR111

## MAS LEDspotLV D 20-100W 840 AR111 24D

With its new perfect-fit design, the Master LEDspot LV AR111 now works with most of G53 luminaires as a true retrofit solution. The lamp creates a brilliant visual effect for retail and hospitality applications such as shops, showrooms and galleries. The high quality light brings out the true colors in merchandise and emphasizes its beauty. It also lasts long, with a strong lumen and color maintenance. The beautifully designed lamp offers a well-defined beam with a multitude of beam angles to suit various applications. Not only does it employ the Philips patented solution to ensure it is compatible with a broad selection of standard 12V halogen electronic transformers, it also delivers high beam intensity which equivalent to halogen AR111 spots of 50W, 75W or 100W.

### Product data

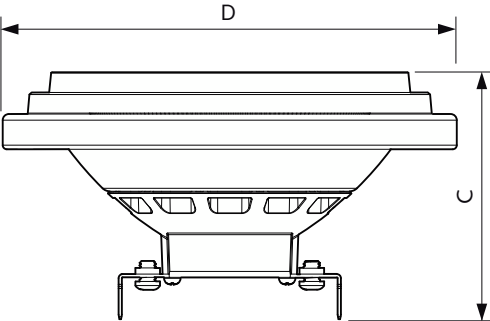
General Information		Color Consistency	
Cap-Base	G53 [G53]	Color rendering index (CRI)	<3
Nominal lifetime	25,000 hour(s)	LLMF At End Of Nominal Lifetime (Nom)	80
Switching Cycle	50,000	Luminous Flux in 90° Cone (Rated)	70 %
Lighting Technology	LED		
EU RoHS compliant	Yes		
Light Technical		Operating and Electrical	
Color Code	840 [CCT of 4000K]	Line Frequency	- Hz
Beam Angle (Nom)	24 degree(s)	Input Frequency	- Hz
Luminous Flux	1,250 lm	Power Consumption	20 W
Luminous Intensity (Nom)	6,100 cd	Lamp Current (Nom)	2,400 mA
Color Designation	Cool White (CW)	Wattage Equivalent	100 W
Correlated Color Temperature (Nom)	4000 K	Starting Time (Nom)	0.5 s
Luminous Efficacy (rated) (Nom)	62.50 lm/W	Warm-up time to 60% light	0.5 s
		Power Factor (Fraction)	0.7

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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

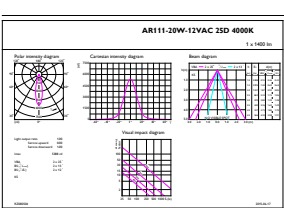
EyeComfort	Yes
Product Data	
Order product name	MAS LEDspotLV D 20-100W 840 AR111 24D
Full product name	MAS LEDspotLV D 20-100W 840 AR111 24D
Full product code	871869672532000
Order code	929001171002
Material Nr. (12NC)	929001171002
Numerator - Quantity Per Pack	1
EAN/UPC - Product/Case	8718696725320
Numerator - Packs per outer box	6
EAN/UPC - Case	8718696725337

Dimensional drawing



Product	D	C
MAS LEDspotLV D 20-100W 840 AR111 24D	111 mm	62 mm

Photometric data



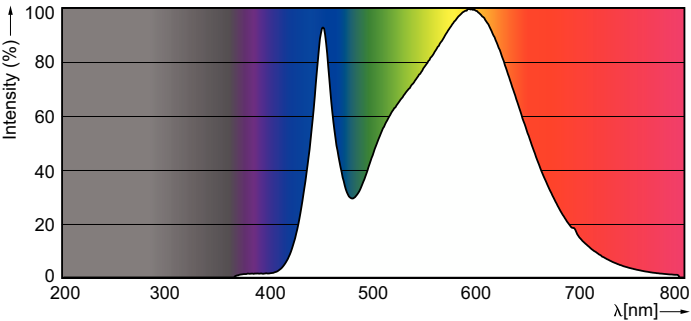
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General uniform lighting - MAS LEDspotLV D 20-100W 840 AR111 24D

Light Distribution Diagram - MAS LEDspotLV D 20-100W 840 AR111 24D

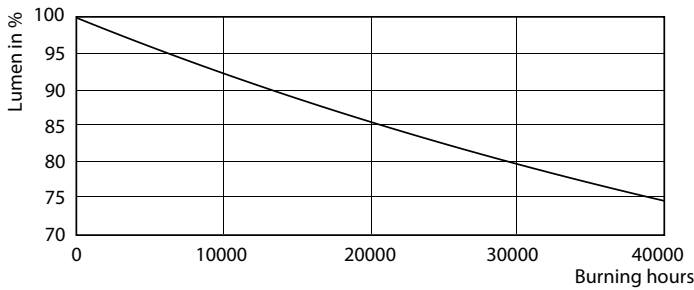
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## Photometric data



Spectral Power Distribution Colour - MAS LEDspotLV D 20-100W 840 AR111 24D

## Lifetime



Life Expectancy Diagram - MAS LEDspotLV D 20-100W 840 AR111 24D

Lumen Maintenance Diagram - MAS LEDspotLV D 20-100W 840 AR111 24D

