



# 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

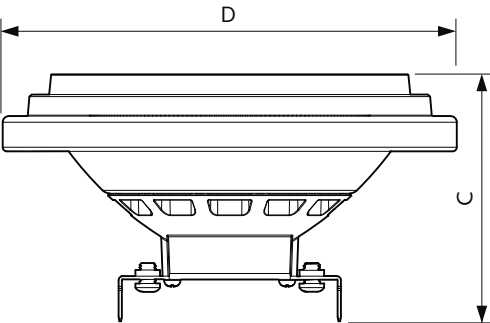
General Information			
Cap base	G53 [G53]	Luminous efficacy (rated) (nom.)	59.00 lm/W
Nominal lifetime	25,000 h	Colour consistency	<3
Switching Cycle	50,000	Colour rendering index (CRI)	80
Lighting Technology	LED	LLMF at end of nominal lifetime (nom.)	70 %
EU RoHS compliant	Yes	Luminous flux in 90° cone (rated)	1,180 lm
Light Technical		Operating and Electrical	
Colour Code	830 [CCT of 3000K]	Line Frequency	- Hz
Beam angle (nom.)	40 degree(s)	Input frequency	- Hz
Luminous Flux	1,180 lm	Power Consumption	20 W
Luminous intensity (nom.)	2,350 cd	Lamp current (nom.)	2,400 mA
Colour designation	White (WH)	Wattage equivalent	100 W
Correlated Colour Temperature	3000 K	Starting time (nom.)	0.5 s
		Warm-up time to 60% light	0.5 s

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Power Factor (Fraction)	0.7
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/1,000 hours	22 kWh

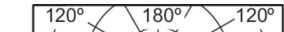
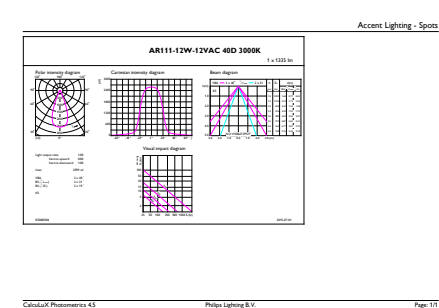
EyeComfort	Yes
Product Data	
Order product name	MAS LEDspotLV D 20-100W 830 AR111 40D
Full product name	MAS LEDspotLV D 20-100W 830 AR111 40D
Full EOC	871869670747000
Order code	70747000
Material no. (12 NC)	929001171202
SAP numerator – quantity per pack	1
EAN/UPC – Product/Case	8718696707470
Numerator – packs per outer box	6
EAN/UPC - Case	8718696707487

Dimensional drawing



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

Photometric data

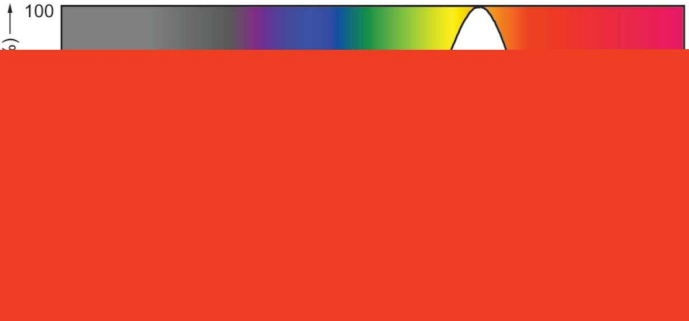


Accent Lighting Spots - MAS LEDspotLV D 20-100W 830 AR111 40D

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

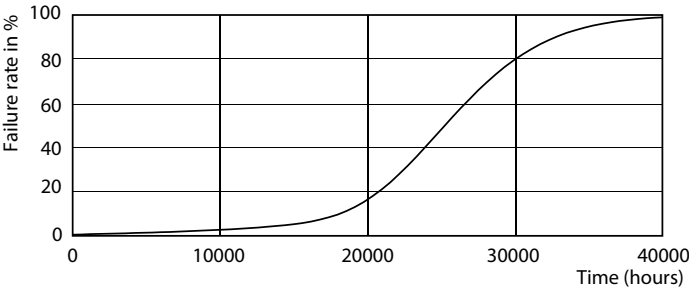
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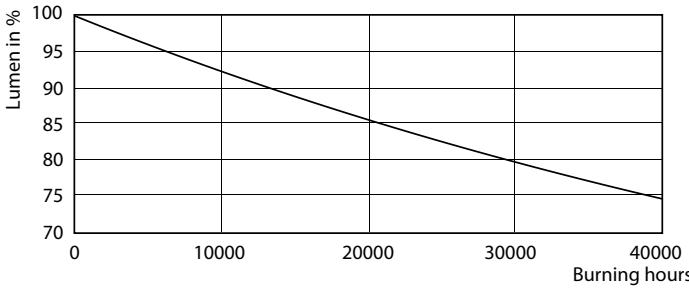


Spectral Power Distribution Colour - MAS LEDspotLV D 20-100W 830 AR111 40D

## Lifetime



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



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

