Lighting

PHILIPS



MASTER LEDspot ExpertColor AR111

MAS LEDspotLV D 20-100W 940 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.)	25000 h	
Technical type	20-100W	
	Narrow Cone	
Light technical		
Colour Code	940 [CCT of 4,000 K]	
Beam Angle (Nom)	45 °	
Luminous flux (nom.)	1270 lm	
Luminous intensity (nom.)	2300 cd	
Colour designation	Cool White (CW)	
Correlated Colour Temperature (Nom)	4000 K	
Luminous efficacy (rated) (nom.)	63.00 lm/W	
Colour consistency	<4	
Colour rendering index (nom.)	91	
LLMF at end of nominal lifetime (nom.)	70 %	

Luminous flux in 90° cone (rated)	1270 lm	
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)	ac electronic 12 V	
Temperature		
T-Case maximum (nom.)	97 °C	
Controls and dimming		
Dimmable	Only with specific dimmers	

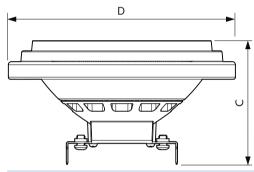
G f

MASTER LEDspot ExpertColor AR111

Mechanical and housing	
Lamp Finish	Clear
Bulb shape	AR111
Approval and application	
Energy Efficiency Class	G
Suitable for accent lighting	Yes
Energy consumption kWh/1,000 hours	20 kWh
	648248
Product data	
Full product code	871869970521300

Order product name	MAS LEDspotLV D 20-100W 940 AR111 45D	
EAN/UPC – product	8718699705213	
Order code	70521300	
SAP numerator - quantity per pack	1	
Numerator – packs per outer box	6	
SAP material	929002050802	
Net Weight (Piece)	0.160 kg	

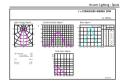
Dimensional drawing

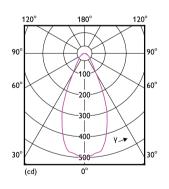


Product	D	с
MAS LEDspotLV D 20-100W 940 AR111 45D	111 mm	62 mm

MAS LEDspotLV D 20-100W 940 AR111 45D

Photometric data



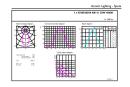


LEDspots MAS SLR 20W AR111 G53 940 45D-ADL ADL

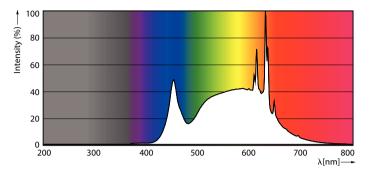
LEDspots MAS SLR 20W AR111 G53 940 45D-LDD LDD

MASTER LEDspot ExpertColor AR111

Photometric data

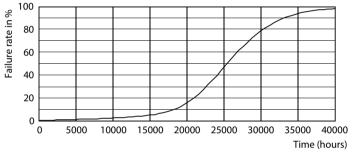


LEDspots 100W G53 AR111 940 45D



LEDspots MAS SLR 20W AR111 G53 940 24D-POC POC

Lifetime



70 60 50 0 10000 20000 30000 40000 50000 60000 Burning hours

Life Expectancy Diagram

Lumen Maintenance Diagram

100

90

80

Lumen in %



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