PHILIPS

Lighting



MASTER LEDspot ExpertColor AR111

G A↑G

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
Flux measurement reference	Narrow Cone

Light Technical	
Color Code	927 [CCT of 2700K]
Beam Angle (Nom)	45 degree(s)
Luminous Flux	1,270 lumen
Luminous Intensity (Nom)	2,100 cd
Color Designation	Warm White (WW)
Correlated Color Temperature (Nom)	2700 K
Luminous Efficacy (rated) (Nom)	63 lm/W
Color Consistency	<4
Color rendering index (CRI)	95
LLMF At End Of Nominal Lifetime (Nom)	70 %

Luminous Flux in 90° Cone (Rated)	1,270 lumen

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 °C

MASTER LEDspot ExpertColor AR111

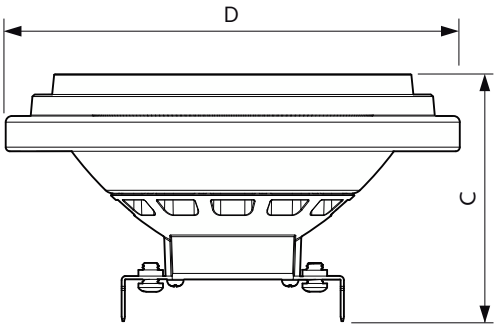
Controls and Dimming	
Dimmable	Only with specific dimmers

Mechanical and Housing	
Bulb Finish	Clear
Bulb Shape	AR111

Approval and Application	
Energy Efficiency Class	G
Suitable For Accent Lighting	Yes
Energy Consumption kWh/1000 h	20 kWh
EPREL Registration Number	1122530
EU RoHS compliant	Yes

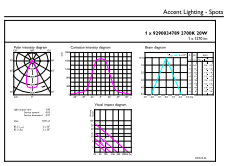
Product Data	
Full product code	871951442967300
Order product name	MAS LEDExpertColor 20-100W 927 AR111 45D
Order code	929003478902
Numerator - Quantity Per Pack	1
Numerator - Packs per outer box	6
Material number (12NC)	929003478902
Full product name	MAS LEDExpertColor 20-100W 927 AR111 45D
EAN/UPC - Case	8719514429680

Dimensional drawing

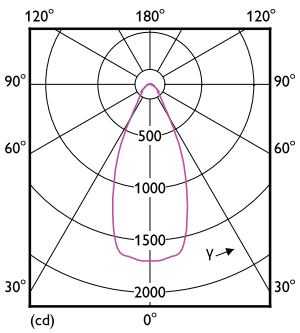


Product	D	C
MAS LEDExpertColor 20-100W 927 AR111 45D	111 mm	62 mm

Photometric data



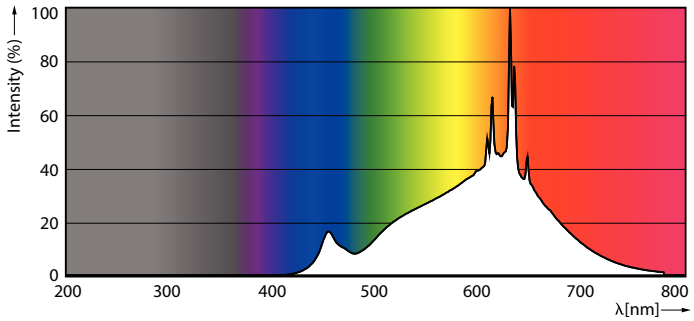
Accent Lighting Spots - MAS LEDExpertColor 20-100W 927 AR111 45D



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

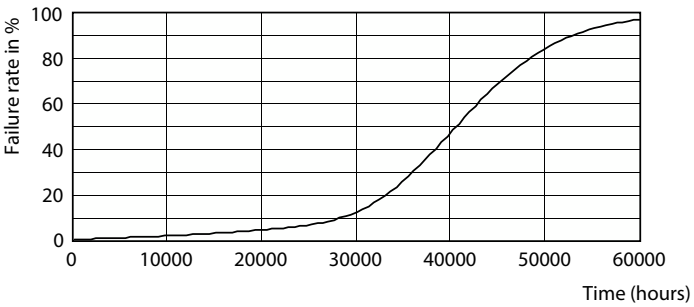
MASTER LEDspot ExpertColor AR111

Photometric data

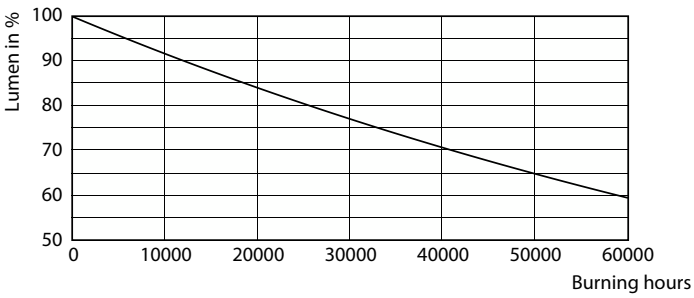


Spectral Power Distribution Colour - MAS LEDExpertColor 20-100W 927 AR111 45D

Lifetime



Life Expectancy Diagram - MAS LEDExpertColor 20-100W 927 AR111 45D



Lumen Maintenance Diagram - MAS LEDExpertColor 20-100W 927 AR111 45D

© 2023 Signify Holding All rights reserved. Signify does not give any representation or warranty as to the accuracy or completeness of the information included herein and shall not be liable for any action in reliance thereon. The information presented in this document is not intended as any commercial offer and does not form part of any quotation or contract, unless otherwise agreed by Signify. Philips and the Philips Shield Emblem are registered trademarks of Koninklijke Philips N.V.