MASTER LEDspot ExpertColor AR111

MAS LEDExpertColor 20-100W 930 AR111 24D

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]
EU RoHS compliant	Yes
Nominal lifetime	40,000 hour(s)
Switching Cycle	50,000
Lighting Technology	LED
Flux measurement reference	Narrow Cone
Brand	Philips

Light Technical

Color Code	930 [CCT of 3000K]
Beam Angle (Nom)	24 degree(s)
Luminous Flux	1,270 lumen
Luminous Intensity (Nom)	4,200 cd
Color Designation	White (WH)
Correlated Color Temperature (Nom)	3000 K
Luminous Efficacy (rated) (Nom)	63 lm/W
Color Consistency	<4

Color rendering index (CRI)

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
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Temperature

Ambient temperature range	–20 ℃ to 45 ℃

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T-Case Maximum (Nom)	77 °C

Controls and Dimming

Dimmable	Only with specific dimmers

Mechanical and Housing

Bulb Finish	Clear
Bulb Shape	AR111

Approval and Application

Suitable For Accent Lighting	Yes
Energy Consumption kWh/1000 h	20 kWh
EPREL Registration Number	1,122,533

Product Data

Full product code	871951442969700
Order product name	MAS LEDExpertColor 20-100W 930 AR111 24D
Order code	929003478702
Numerator – Quantity Per Pack	1
Numerator – Packs per outer box	6
Material number (12NC)	929003478702
Net weight	0.162 kg
Full product name	MAS LEDExpertColor 20-100W 930 AR111 24D
EAN/UPC – Case	8719514429703

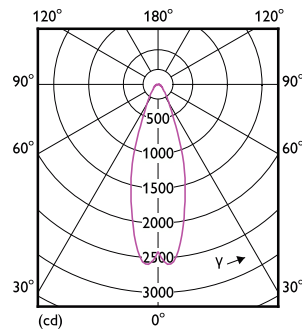## Dimensional drawing
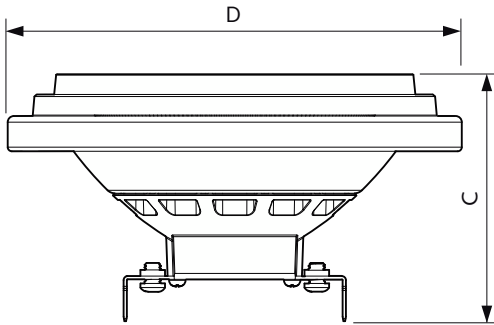
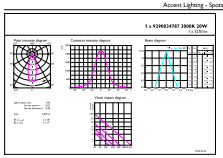| Product	D	C
MAS LEDExpertColor 20-100W 930 AR111 24D	111 mm	62 mm

Photometric data
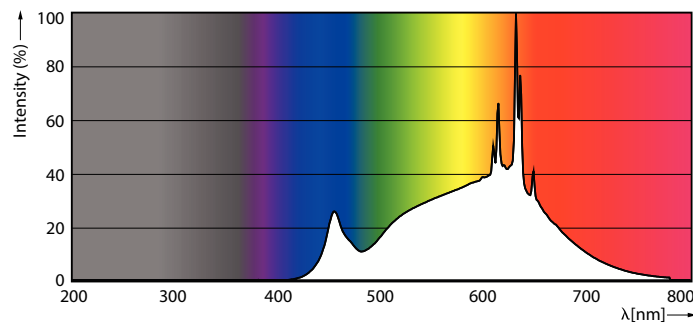
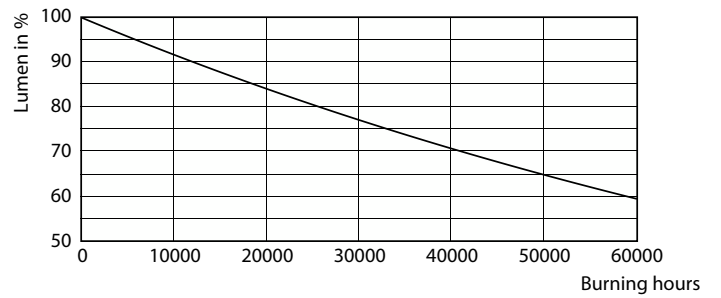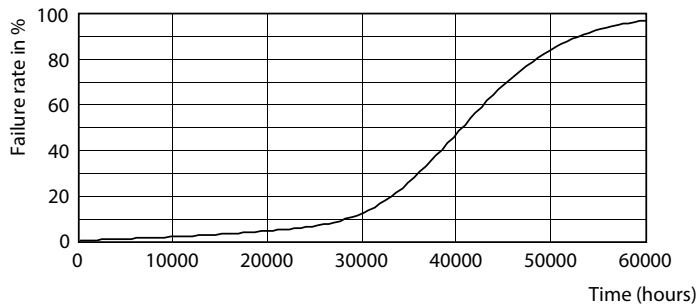Spectral Power Distribution Colour – MAS LEDExpertColor 20-100W 930 AR111 24D

Light Distribution Diagram – MAS LEDExpertColor 20-100W 930 AR111 24D

MASTER LEDspot ExpertColor AR111

Photometric data

Lifetime

Life Expectancy Diagram – MAS LEDExpertColor 20-100W 930 AR111 24D

Lumen Maintenance Diagram – MAS LEDExpertColor 20-100W 930 AR111 24D

www.lighting.philips.com

2023, April 17 – data subject to change