



MASTER LED spot ExpertColor AR111



MAS ExpertColor 14.8-75W 927 AR111 45D

MASTER, LEDspot, AR111, 75 W, G53, 2700 K, 875 lm, CRI 95, 40000 h

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
Nominal lifetime	40,000 h
Switching Cycle	50,000
Lighting Technology	LEDspot
Flux measurement reference	Narrow Cone
Warranty period	5 years

Light Technical

Colour Code	927 [CCT of 2700K]
Beam angle (nom.)	45 degree(s)
Luminous Flux	875 lm
Luminous intensity (nom.)	1,200 cd
Colour designation	Warm White (WW)

Correlated Colour Temperature (Nom)	2700 K
Luminous efficacy (rated) (nom.)	59 lm/W
Colour consistency	<4
Colour rendering index (CRI)	95
LLMF at end of nominal lifetime (nom.)	70 %
Luminous flux in 90° cone (rated)	875 lm
Photobiological safety according to EN 62471	RG1

Operating and Electrical

Line Frequency	50 to 60 Hz
Input frequency	50 to 60 Hz
Power Consumption	14.8 W
Lamp current (nom.)	1,500 mA
Wattage equivalent	75 W

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Starting time (nom.)	0.5 s
Warm-up time to 60% light	0.5 s
Power Factor (Fraction)	0.7
Voltage (nom.)	ac electronic 12 V

Temperature

T-Case maximum (nom.)	85 °C
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Controls and Dimming

Dimmable	Only with specific dimmers
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Mechanical and Housing

Lamp Finish	Clear
Bulb shape	AR111
Net Weight (Piece)	0.160 kg

Approval and Application

Energy Efficiency Class	G
Suitable for accent lighting	Yes
Energy consumption kWh/1,000 hours	15 kWh
EPREL Registration Number	648259

CE mark	Yes
EU RoHS compliant	Yes
EyeComfort	Yes
Ambient temperature range	-20 to +45 °C

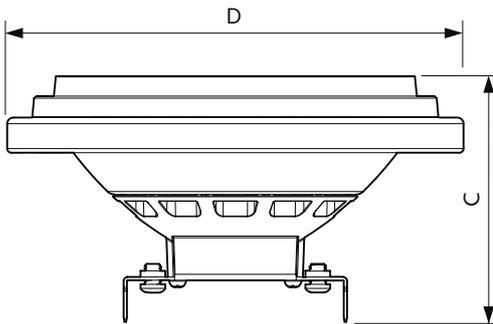
Application Conditions

Can it be used in closed luminaires	No
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Product Data

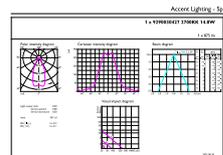
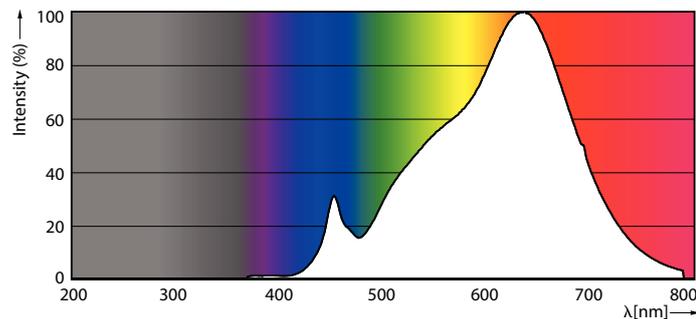
Order product name	MAS ExpertColor 14.8-75W 927 AR111 45D
Full product name	MAS ExpertColor 14.8-75W 927 AR111 45D
Full EOC	871951433381900
Order code	929003042702
Material no. (12 NC)	929003042702
Numerator – quantity per pack	1
EAN/UPC – Product/Case	8719514333819
Numerator – packs per outer box	6
EAN/UPC - Case	8719514333826

Dimensional drawing



Product	D	C
MAS ExpertColor 14.8-75W 927 AR111 45D	111 mm	61 mm

Photometric data

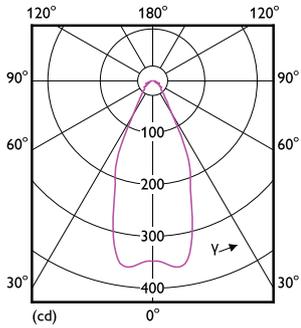


Spectral Power Distribution Colour - MAS ExpertColor 14.8-75W 927 AR111 45D

Accent Lighting Spots - MAS ExpertColor 14.8-75W 927 AR111 45D

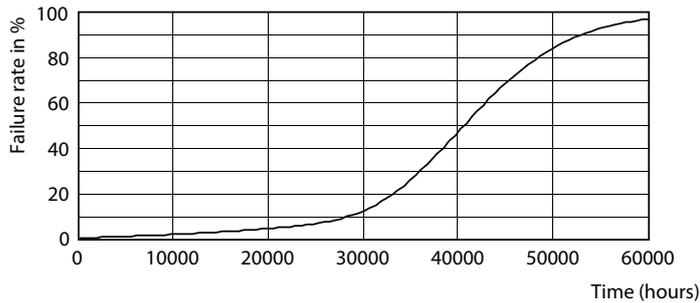
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Photometric data

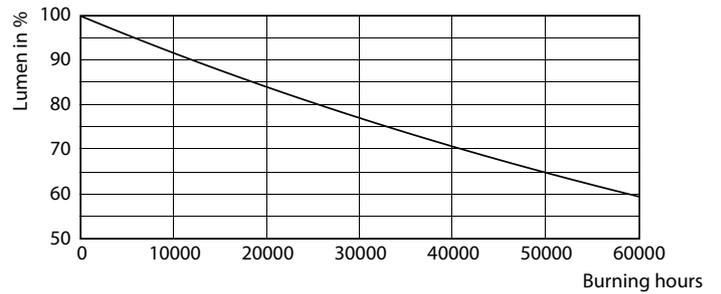


Light Distribution Diagram - MAS ExpertColor 14.8-75W 927 AR111 45D

Lifetime



Life Expectancy Diagram



Lumen Maintenance Diagram - MAS ExpertColor 14.8-75W 927 AR111 45D

