



MASTER LEDspot ExpertColor AR111



MAS ExpertColor 14.8-75W 940 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
Nominal lifetime	40,000 hour(s)
Switching Cycle	50,000
Lighting Technology	LED
Flux measurement reference	Narrow Cone
CE mark	Yes
EU RoHS compliant	Yes
Light Technical	
Color Code	940 [CCT of 4000K]
Beam Angle (Nom)	24 degree(s)
Luminous Flux	950 lm
Luminous Intensity (Nom)	3,300 cd
Color Designation	Cool White (CW)
Correlated Color Temperature (Nom)	4000 K
Luminous Efficacy (rated) (Nom)	64.00 lm/W
Color Consistency	<4

Color rendering index (CRI)	95
LLMF At End Of Nominal Lifetime (Nom)	70 %
Luminous Flux in 90° Cone (Rated)	950 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
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

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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

Bulb Finish	Clear
Bulb Shape	AR111

Approval and Application

Energy Efficiency Class	G
Suitable For Accent Lighting	Yes
Energy Consumption kWh/1000 h	15 kWh
EPREL Registration Number	648253
EyeComfort	Yes

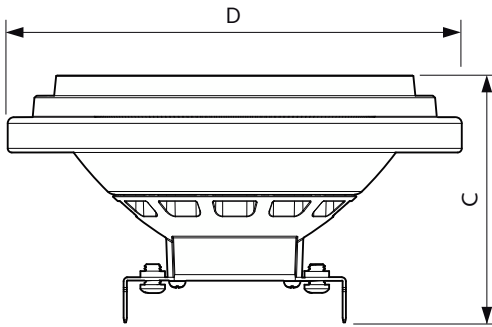
Application Conditions

can it be used in closed luminaires	No
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Product Data

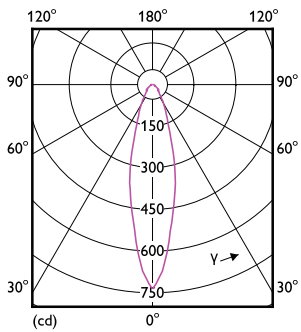
Order product name	MAS ExpertColor 14.8-75W 940 AR111 24D
Full product name	MAS ExpertColor 14.8-75W 940 AR111 24D
Full product code	871951433387100
Order code	929003043002
Material Nr. (12NC)	929003043002
Numerator - Quantity Per Pack	1
EAN/UPC - Product/Case	8719514333871
Numerator - Packs per outer box	6
EAN/UPC - Case	8719514333888

Dimensional drawing

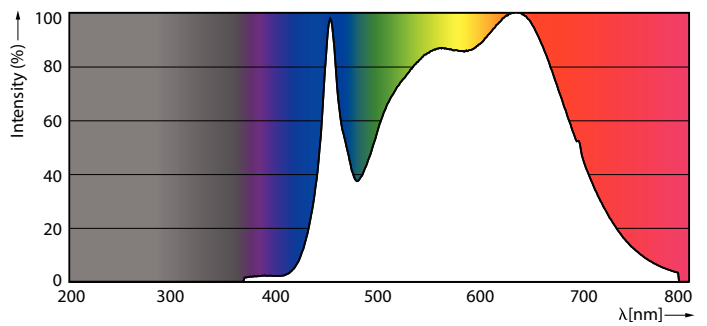


Product	D	C
MAS ExpertColor 14.8-75W 940 AR111 24D	111 mm	61 mm

Photometric data



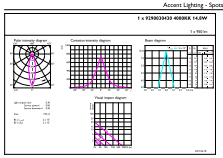
Light Distribution Diagram - MAS ExpertColor 14.8-75W 940 AR111 24D



Spectral Power Distribution Colour - MAS ExpertColor 14.8-75W 940 AR111 24D

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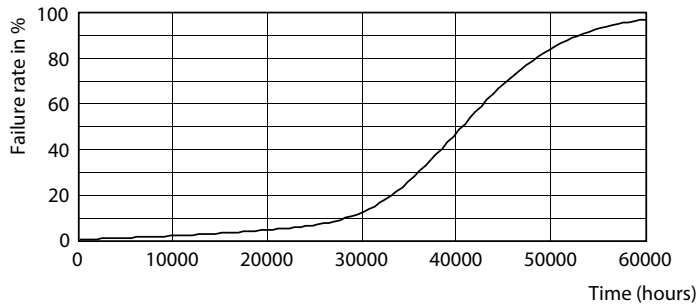
Photometric data



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Accent Lighting Spots - MAS ExpertColor 14.8-75W 940 AR111 24D

Lifetime



Life Expectancy Diagram - MAS ExpertColor 14.8-75W 940 AR111 24D

Lumen Maintenance Diagram - MAS ExpertColor 14.8-75W 940 AR111 24D

