# Lighting

**PHILIPS** 



# MASTER LEDspot ExpertColor AR111

# MAS ExpertColor 14.8-75W 940 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
Nominal lifetime	40,000 hour(s)
Switching Cycle	50,000
Lighting Technology	LED
Flux measurement reference	Narrow Cone
Light Technical	
Color Code	940 [CCT of 4000K]
Beam Angle (Nom)	45 degree(s)
Luminous Flux	950 lm
Luminous Intensity (Nom)	1,400 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	
Temperature		
T-Case Maximum (Nom)	85 °C	

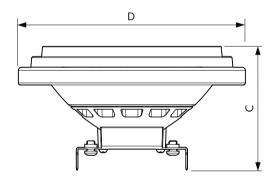


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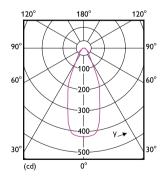
Controls and Dimming	
Dimmable	Only with specific dimmers
Mechanical and Housing	
Bulb Finish	Clear
Bulb Shape	AR111
Net Weight (Piece)	0.160 kg
Approval and Application	
Energy Efficiency Class	G
Suitable For Accent Lighting	Yes
Energy Consumption kWh/1000 h	15 kWh
EPREL Registration Number	648243
CE mark	Yes
EU RoHS compliant	Yes
EyeComfort	Yes

Application Conditions	
can it be used in closed luminaires	No
Product Data	
Order product name	MAS ExpertColor 14.8-75W 940 AR111
	45D
Full product name	MAS ExpertColor 14.8-75W 940 AR111
	45D
Full product code	871951433389500
Order code	929003043102
Material Nr. (12NC)	929003043102
Numerator - Quantity Per Pack	1
EAN/UPC - Product/Case	8719514333895
Numerator - Packs per outer box	6
EAN/UPC - Case	8719514333901

### Dimensional drawing

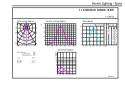


#### Photometric data



Light Distribution Diagram - MAS ExpertColor 14.8-75W 940 AR111 45D

Product	D	с
MAS ExpertColor 14.8-75W 940 AR111 45D	111 mm	61 mm

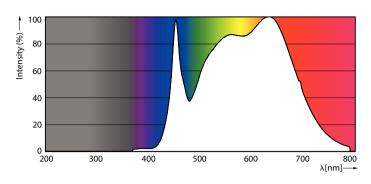


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Accent Lighting Spots - MAS ExpertColor 14.8-75W 940 AR111 45D

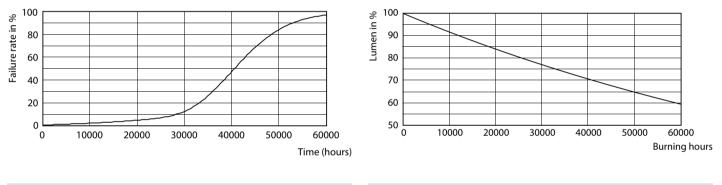
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Photometric data



Spectral Power Distribution Colour - MAS ExpertColor 14.8-75W 940 AR111 45D

#### Lifetime



Life Expectancy Diagram

Lumen Maintenance Diagram - MAS ExpertColor 14.8-75W 940 AR111 45D



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