



MASTER LEDspot LV AR111

MAS LED ExpertColor 15-75W 930 AR111 24D

Delivering a warm, halogen-like accent beam, MASTER LEDspot LV AR111 is an ideal retrofit solution for spot and general lighting applications in the hospitality and retail industry. It is particularly suitable for general lighting where the light is on all the time, such as creative accent lighting applications in shops, restaurants, hotels, and especially for galleries, exhibitions and museums. The robustly designed MASTER LEDspot LV AR111 offers various beam angles for a clearly defined beam spread. There is no UV or IR in the beam, making it suitable for illuminating heat-sensitive objects (food, organic materials, paintings, etc.). The patented intelligent driver enables broad compatibility with existing electromagnetic and electronic halogen transformers. MASTER LEDspot LV AR111 delivers huge energy savings and minimises maintenance cost without any reduction in brightness.

Product data

General Information	
Cap base	G53 [G53]
Nominal lifetime	40,000 h
Switching Cycle	50,000
Lighting Technology	LED
EU RoHS compliant	Yes

Light Technical	
Colour Code	930 [CCT of 3000K]
Beam angle (nom.)	24 degree(s)
Luminous Flux	850 lm
Luminous intensity (nom.)	3,500 cd
Colour designation	White (WH)
Correlated Colour Temperature	3000 K

Luminous efficacy (rated) (nom.)	56.00 lm/W
Colour consistency	<4
Colour rendering index (CRI)	97
LLMF at end of nominal lifetime (nom.)	70 %
Luminous flux in 90° cone (rated)	850 lm

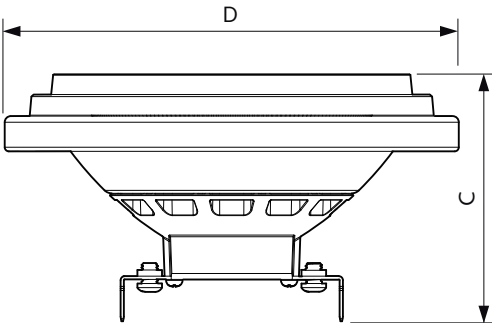
Operating and Electrical	
Line Frequency	- Hz
Input frequency	- Hz
Power Consumption	15 W
Lamp current (nom.)	1,800 mA
Wattage equivalent	75 W
Starting time (nom.)	0.5 s
Warm-up time to 60% light	0.5 s

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Power Factor (Fraction)	0.7
Voltage (nom.)	ac electronic 12 V
Temperature	
T-Case maximum (nom.)	74 °C
Controls and Dimming	
Dimmable	Yes
Mechanical and Housing	
Bulb shape	AR111
Approval and Application	
Suitable for accent lighting	Yes
Energy consumption kWh/1,000 hours	17 kWh

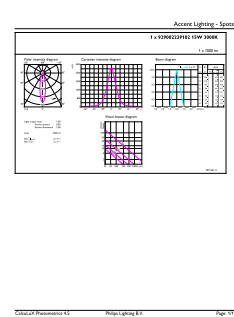
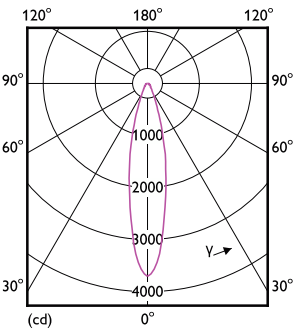
EyeComfort	Yes
Product Data	
Order product name	MAS LED ExpertColor 15-75W 930 AR111 24D
Full product name	MAS LED ExpertColor 15-75W 930 AR111 24D
Full EOC	871869968700700
Order code	68700700
Material no. (12 NC)	929002239102
SAP numerator – quantity per pack	1
EAN/UPC – Product/Case	8718699687007
Numerator – packs per outer box	6
EAN/UPC - Case	8718699687014

Dimensional drawing



Product	D	C
MAS LED ExpertColor 15-75W 930 AR111 24D	111 mm	62 mm

Photometric data

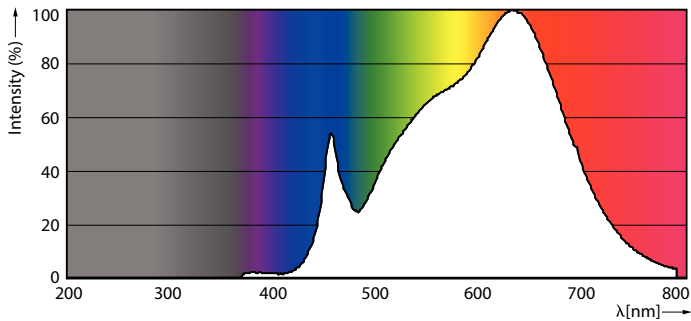


Light Distribution Diagram - MAS LED ExpertColor 15-75W 930 AR111 24D

General uniform lighting - MAS LED ExpertColor 15-75W 930 AR111 24D

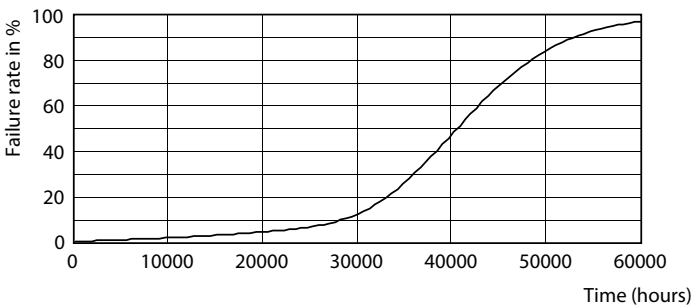
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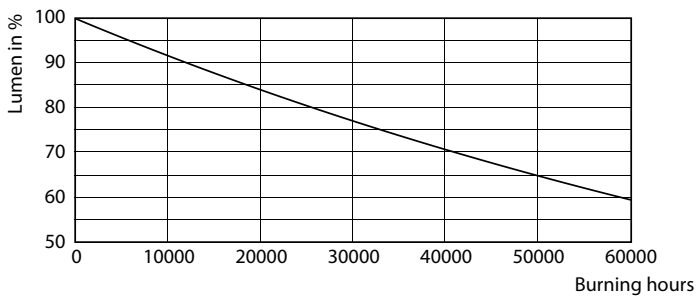


Spectral Power Distribution Colour - MAS LED ExpertColor 15-75W 930 AR111 24D

Lifetime



Life Expectancy Diagram - MAS LED ExpertColor 15-75W 930 AR111 24D



Lumen Maintenance Diagram - MAS LED ExpertColor 15-75W 930 AR111 24D

