PHILIPS

MAS ExpertColor
14.8-75W 940 AR111 45D

929003043102



MASTER, LEDspot, AR111, dimmable, 75 W, G53, 4000 K, 950 lm, CRI 95, 40000 hour(s)



MASTER, LEDspot, AR111, dimmable, 75 W, G53, 4000 K, 950 lm, CRI 95, 40000 hour(s), 64.00 lm/W, EEL G, PF 0.7, Beam angle 45 degree(s), RG1, IP20

General Information

Cap-Base	G53
Nominal lifetime	40,000 hour(s)
Switching Cycle	50,000
Lighting Technology	LEDspot
Flux measurement reference	Narrow Cone
Warranty period	5 years

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

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
Ambient temperature range	-20 to +45 °C

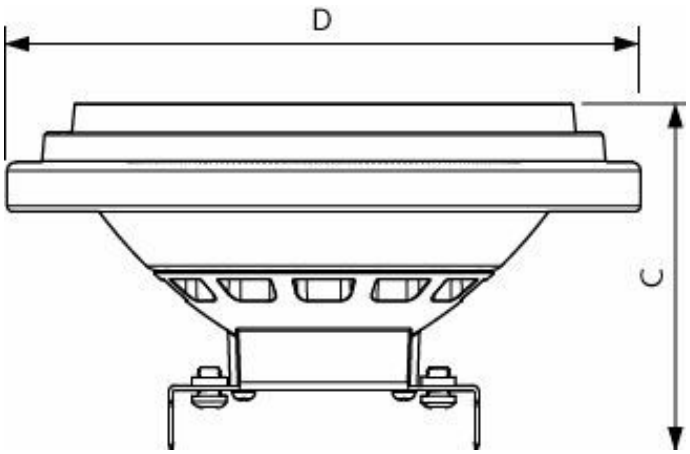
Application Conditions

can it be used in closed luminaires	No
Wireless Technology	Not applicable

Product Data

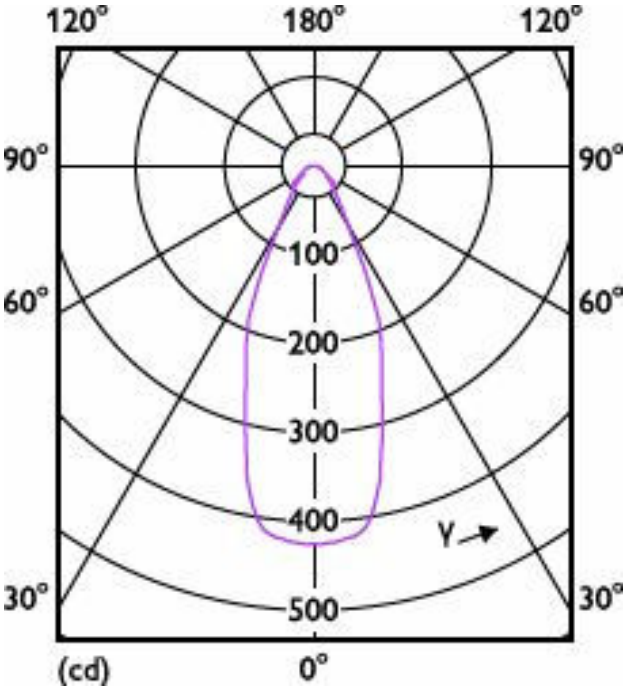
Order product name	MAS ExpertColor 14.8-75W 940 AR111 45D
Full product name	MAS ExpertColor 14.8-75W 940 AR111 45D
Full product code	871951433389500
Order code	929003043102
Material Nr. (12NC)	929003043102
Numerator - Quantity Per Pack	1
EAN/UPC - Product/Case	8719514333895
Numerator - Packs per outer box	6
EAN/UPC - Case	8719514333901

Dimensional drawing

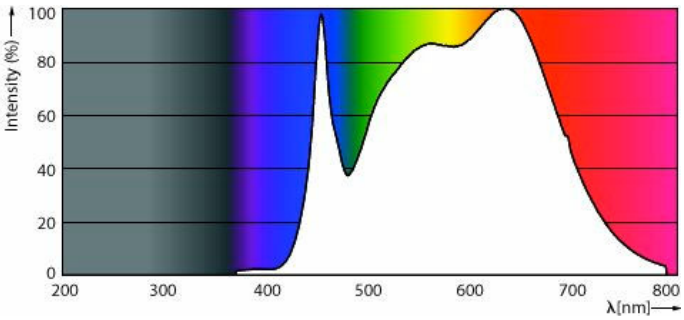


Product	D	C
MAS ExpertColor 14.8-75W 940 AR111 45D	111 mm	61 mm

Photometric data

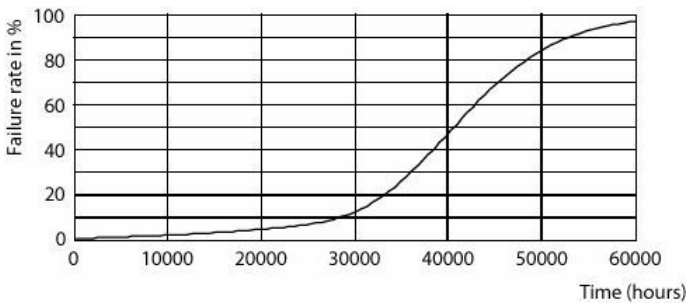


Light Distribution Diagram - MAS ExpertColor 14.8-75W 940 AR111 45D

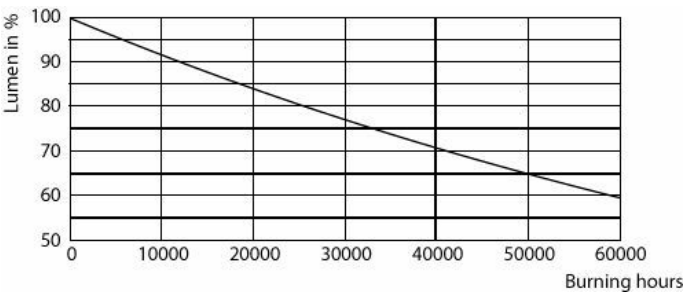


Spectral Power Distribution Colour - MAS ExpertColor 14.8-75W 940 AR111 45D

Lifetime



Life Expectancy Diagram



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

Related Documents

Documents and certificates	Document Name	Download
Environmental Product Declaration	Philips-MASTER-LEDspot-LV-AR111-COMF-2165-Ref-929003042602-EPD.pdf	Download

Photometry and lighting design	Document Name	Download
IES File	LEDspots_MAS_SLR_14,8W_AR111_G53_940_45D-IES.IES	Download

© 2026 Signify Holding. All rights reserved. The information provided herein is subject to change, without notice. Signify does not give any representation or warranty as to the accuracy or completeness of the information included herein and shall not be liable for any action in reliance thereon. The information presented in this document is not intended as any commercial offer and does not form part of any quotation or contract, unless otherwise agreed by Signify. Philips and the Philips Shield Emblem are registered trademarks of Koninklijke Philips N.V.