PHILIPS

MAS LED ExpertColor 7.5-43W MR16 940 24D

929003079902



MASTER, LEDspot, MR16, dimmable, 43 W, GU5.3, 4000 K, 520 lm, CRI 92, 40000 hour(s), Plastic

MASTER, LEDspot, MR16, dimmable, 43 W, GU5.3, 4000 K, 520 lm, CRI 92, 40000 hour(s), Plastic, 69.00 lm/W, EEL G, PF 0.7, Beam angle 24 degree(s), RG1, IP20

General Information

Cap-Base	GU5.3
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)	24 degree(s)
Luminous Flux	520 lm
Luminous Intensity (Nom)	2,800 cd
Color Designation	Cool White (CW)
Correlated Color Temperature (Nom)	4000 K
Luminous Efficacy (rated) (Nom)	69.00 lm/W
Color Consistency	<3

Color rendering index (CRI)	92
LLMF At End Of Nominal Lifetime (Nom)	70 %
Luminous Flux in 90° Cone (Rated)	520 lm
Photobiological safety according to EN 62471	RG1

Operating and Electrical

Line Frequency	- Hz
Input Frequency	- Hz
Power Consumption	7.5 W
Lamp Current (Nom)	720 mA
Wattage Equivalent	43 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)	93 °C

Controls and Dimming

Dimmable	Only with specific dimmers

Mechanical and Housing

Bulb Finish	Clear
Bulb Material	Plastic
Bulb Shape	MR16
Net Weight (Piece)	0.052 kg

Approval and Application

Energy Efficiency Class	G
Suitable For Accent Lighting	Yes
Energy Consumption kWh/1000 h	8 kWh
EPREL Registration Number	624212
CE mark	Yes
EU RoHS compliant	Yes
EyeComfort	Yes
Ambient temperature range	-20 to +45 °C

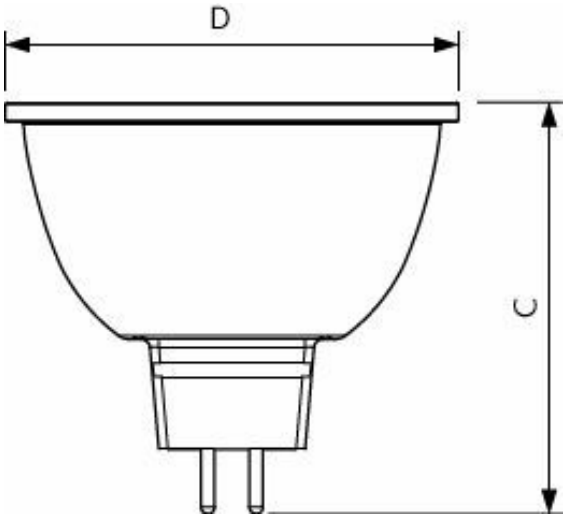
Application Conditions

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

Product Data

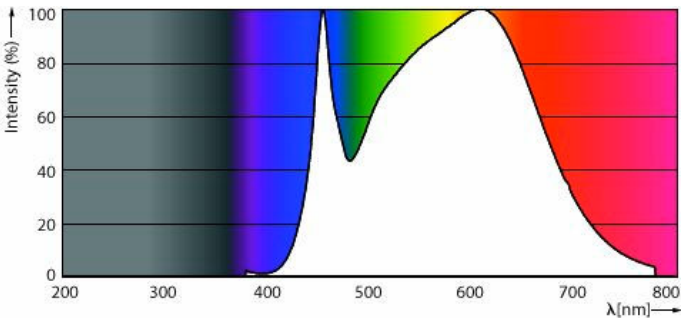
Order product name	MAS LED ExpertColor 7.5-43W MR16 940 24D
Full product name	MAS LED ExpertColor 7.5-43W MR16 940 24D
Full product code	871951435869000
Order code	929003079902
Material Nr. (12NC)	929003079902
Numerator - Quantity Per Pack	1
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Numerator - Packs per outer box	10
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Dimensional drawing

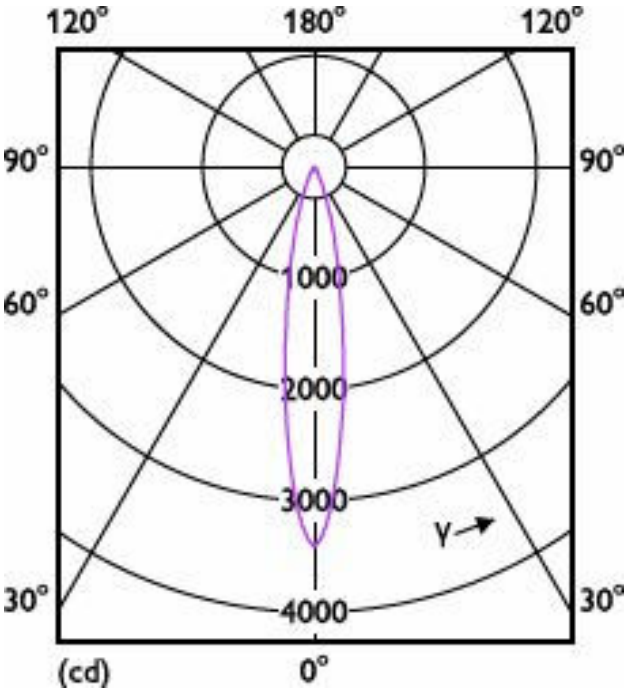


Product	D	C
MAS LED ExpertColor 7.5-43W MR16 940 24D	50.5 mm	46 mm

Photometric data

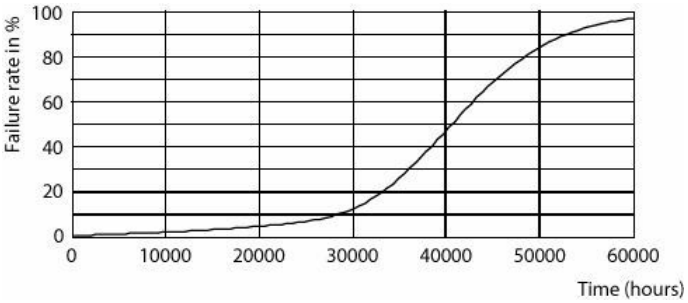


Spectral Power Distribution Colour - MAS LED ExpertColor 7.5-43W MR16 940 24D

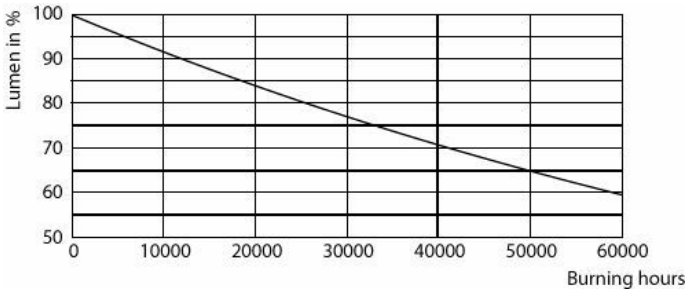


Light Distribution Diagram - MAS LED ExpertColor 7.5-43W MR16 940 24D

Lifetime



Life Expectancy Diagram



Lumen Maintenance Diagram - MAS LED ExpertColor 7.5-43W MR16 940 24D

Related Documents

Documents and certificates	Document Name	Download
Environmental Product Declaration	Philips-MASTER-LEDspot-ExpertColor-LV-COMF-6568932-Ref-929003076808-EPD.pdf	Download

Photometry and lighting design	Document Name	Download
IES File	LEDspots_MAS_IC_7,5W_MR16_GU5,3_940_24D-IES.IES	Download

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