PHILIPS

MAS LED SPOT VLE D 7.5-50W MR16 940 36D

929002493402



MASTER Value, LEDspot, MR16, dimmable, 50 W, GU5.3, 4000 K, 660 lm, CRI 90, 25000 hour(s), Glass

MASTER Value, LEDspot, MR16, dimmable, 50 W, GU5.3, 4000 K, 660 lm, CRI 90, 25000 hour(s), Glass, 88.00 lm/W, EEL F, PF 0.7, Beam angle 36 degree(s), RG1, IP20

Warnings and Safety

- Operating temperature range is between -20° C and 45° C ambient
- Only to apply in dry or damp locations and most of open fixtures with lamp-holders that offer sufficient space (10 mm free air space)
- Not intended for use with emergency light fixtures or exit lights

General Information

Cap-Base	GU5.3
Nominal lifetime	25,000 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)	36 degree(s)
Luminous Flux	660 lm
Luminous Intensity (Nom)	1,500 cd
Color Designation	Cool White (CW)
Correlated Color Temperature (Nom)	4000 K
Luminous Efficacy (rated) (Nom)	88.00 lm/W
Color Consistency	<6
Color rendering index (CRI)	90
LLMF At End Of Nominal Lifetime (Nom)	70 %
Luminous Flux in 90° Cone (Rated)	660 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)	660 mA
Wattage Equivalent	50 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)	95 °C

Controls and Dimming

Dimmable	Only with specific dimmers

Mechanical and Housing

Bulb Finish	Clear
Bulb Material	Glass
Bulb Shape	MR16
Net Weight (Piece)	0.045 kg

Approval and Application

Energy Efficiency Class	F
Suitable For Accent Lighting	Yes
Energy Consumption kWh/1000 h	8 kWh
EPREL Registration Number	453182
CE mark	Yes
EU RoHS compliant	Yes
EyeComfort	Yes
Ambient temperature range	-20 to +40 °C

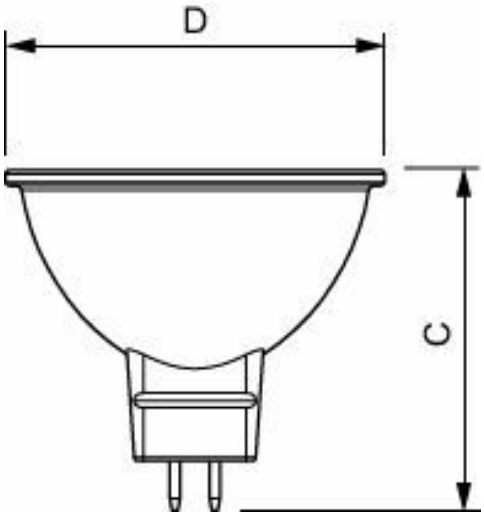
Application Conditions

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

Product Data

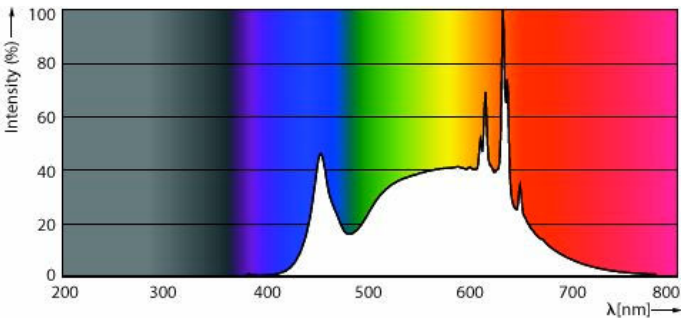
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Full product name	MAS LED SPOT VLE D 7.5-50W MR16 940 36D
Full product code	871951430736000
Order code	929002493402
Material Nr. (12NC)	929002493402
Numerator - Quantity Per Pack	1
EAN/UPC - Product/Case	8719514307360
Numerator - Packs per outer box	10
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Dimensional drawing

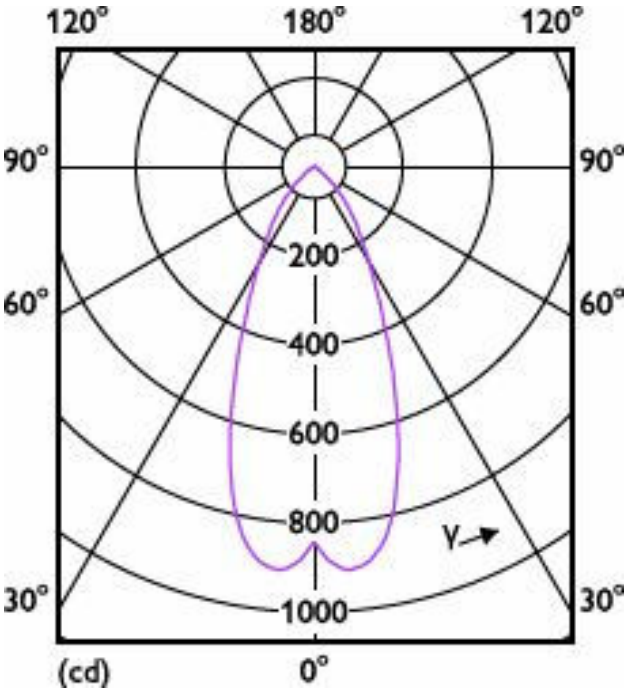


Product	D	C
MAS LED SPOT VLE D 7.5-50W MR16 940 36D	50.5 mm	45.5 mm

Photometric data

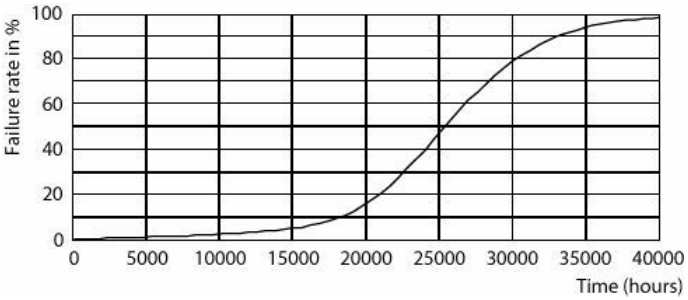


Spectral Power Distribution Colour - MAS LED SPOT VLE D 7.5-50W MR16 940 36D

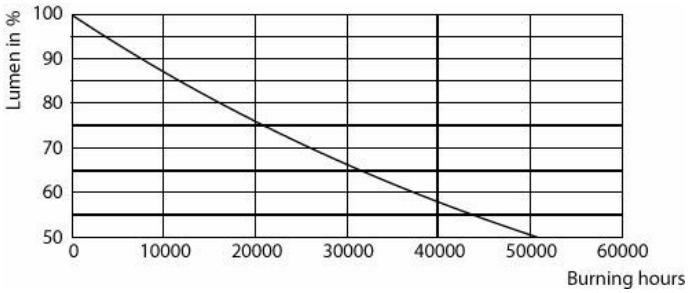


Light Distribution Diagram - MAS LED SPOT VLE D 7.5-50W MR16 940 36D

Lifetime



Life Expectancy Diagram



Lumen Maintenance Diagram - MAS LED SPOT VLE D 7.5-50W MR16 940 36D

Related Documents

Documents and certificates	Document Name	Download
Environmental Product Declaration	Philips-MASTER-VALUE-LEDspot-LV-COMF-2197-Ref-929002492502-EPD.pdf	Download

Photometry and lighting design	Document Name	Download
IES File	LEDspots_MAS_7,5W_MR16_GU5,3_940_36D-IES.IES	Download

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