PHILIPS

MAS LED ExpertColor 7.5-43W MR16 940 36D

929003080202



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 36 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)	36 degree(s)
Luminous Flux	520 lm
Luminous Intensity (Nom)	1,650 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	624219
CE mark	Yes
EU RoHS compliant	Yes
EyeComfort	Yes
Ambient temperature range	-20 to +45 °C

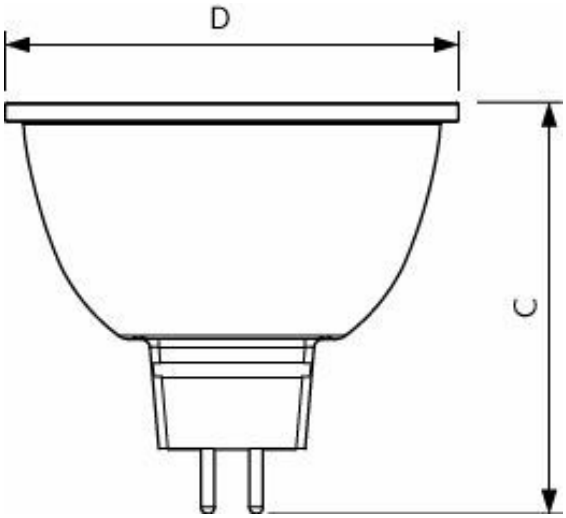
Application Conditions

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

Product Data

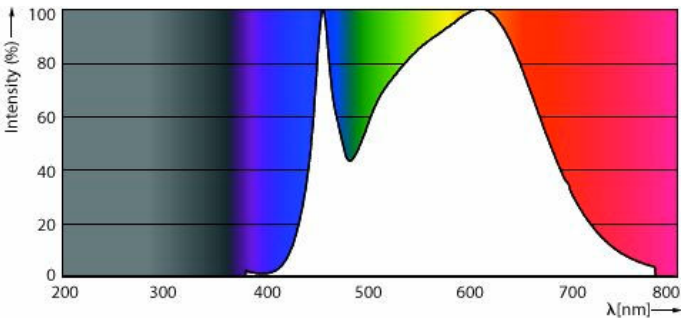
Order product name	MAS LED ExpertColor 7.5-43W MR16 940 36D
Full product name	MAS LED ExpertColor 7.5-43W MR16 940 36D
Full product code	871951435875100
Order code	929003080202
Material Nr. (12NC)	929003080202
Numerator - Quantity Per Pack	1
EAN/UPC - Product/Case	8719514358751
Numerator - Packs per outer box	10
EAN/UPC - Case	8719514358768

Dimensional drawing

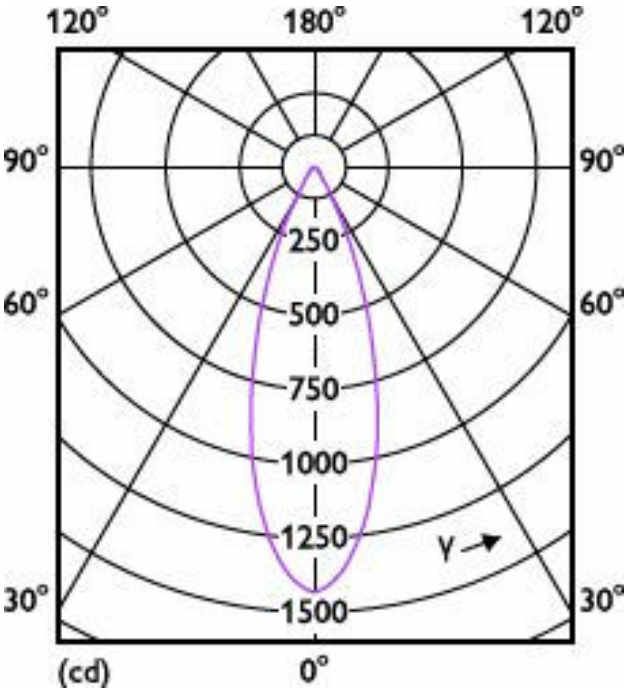


Product	D	C
MAS LED ExpertColor 7.5-43W MR16 940 36D	50.5 mm	46 mm

Photometric data

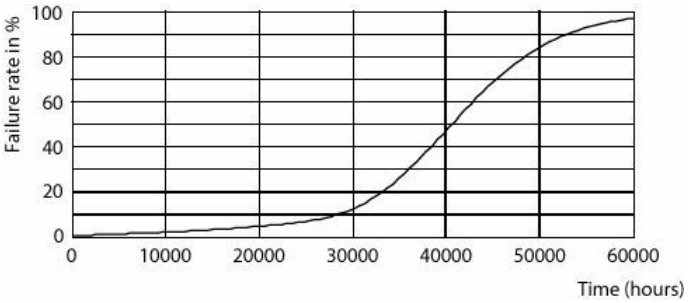


Spectral Power Distribution Colour - MAS LED ExpertColor 7.5-43W MR16 940 36D

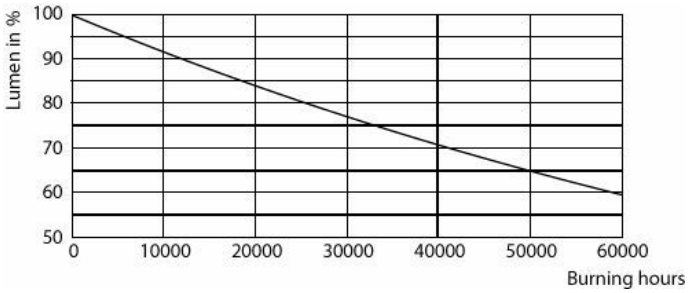


Light Distribution Diagram - MAS LED ExpertColor 7.5-43W MR16 940 36D

Lifetime



Life Expectancy Diagram



Lumen Maintenance Diagram - MAS LED ExpertColor 7.5-43W MR16 940 36D

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_36D-IES.IES	Download

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