PHILIPS

MAS LED ExpertColor 5.5-50W GU10 940 36D

929001347502



MASTER, LEDspot, PAR16, dimmable, 50 W, GU10, 4000 K, 400 lm, CRI 97, 40000 hour(s), Glass

A ↑ G F

MASTER, LEDspot, PAR16, dimmable, 50 W, GU10, 4000 K, 400 lm, CRI 97, 40000 hour(s), Glass, 72 lm/W, EEL F, PF 0.8, Beam angle 36 degree(s), RG1, IP20, SVM 0.4, PstLM 1

General Information

Cap-Base	GU10
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	400 lm
Luminous Intensity (Nom)	940 cd
Color Designation	Cool White (CW)
Correlated Color Temperature (Nom)	4000 K
Luminous Efficacy (rated) (Nom)	72 lm/W
Color Consistency	<3

Color rendering index (CRI)	97
LLMF At End Of Nominal Lifetime (Nom)	70 %
Luminous Flux in 90° Cone (Rated)	400 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	5.5 W
Lamp Current (Nom)	26 mA
Wattage Equivalent	50 W
Starting Time (Nom)	0.5 s
Warm-up time to 60% light	0.5 s
Power Factor (Fraction)	0.8
Voltage (Nom)	220-240 V

Temperature

T-Case Maximum (Nom)	66 °C

Controls and Dimming

Dimmable	Only with specific dimmers

Mechanical and Housing

Bulb Finish	Clear
Bulb Material	Glass
Bulb Shape	PAR16
Net Weight (Piece)	0.038 kg

Approval and Application

Energy Efficiency Class	F
Suitable For Accent Lighting	Yes
Energy Consumption kWh/1000 h	6 kWh
EPREL Registration Number	391835
CE mark	Yes
EU RoHS compliant	Yes
EyeComfort	Yes
Flickering value (PstLM) - Flickering value as per EN 61000-3-3	1
Stroboscopic effect visibility measure (SVM)	0.4
Ambient temperature range	-20 to +45 °C

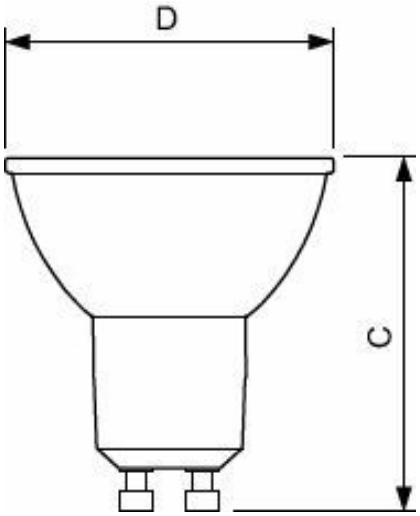
Application Conditions

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

Product Data

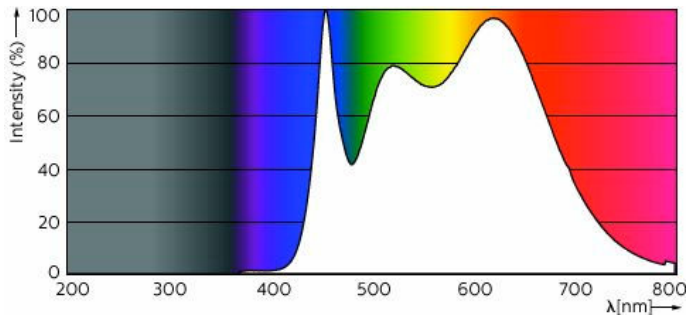
Order product name	MAS LED ExpertColor 5.5-50W GU10 940 36D
Full product name	MAS LED ExpertColor 5.5-50W GU10 940 36D
Full product code	871869670771500
Order code	929001347502
Material Nr. (12NC)	929001347502
Numerator - Quantity Per Pack	1
EAN/UPC - Product/Case	8718696707715
Numerator - Packs per outer box	10
EAN/UPC - Case	8718696707722

Dimensional drawing

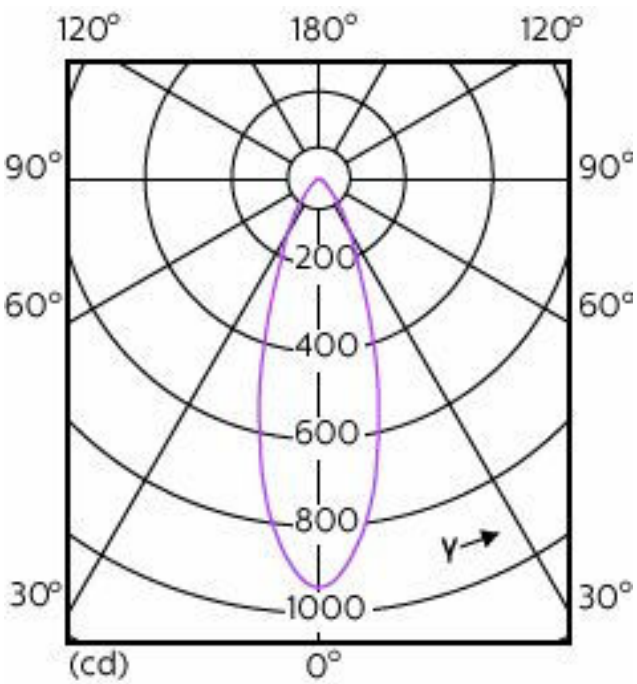


Product	D	C
MAS LED ExpertColor 5.5-50W GU10 940 36D	50 mm	54 mm

Photometric data

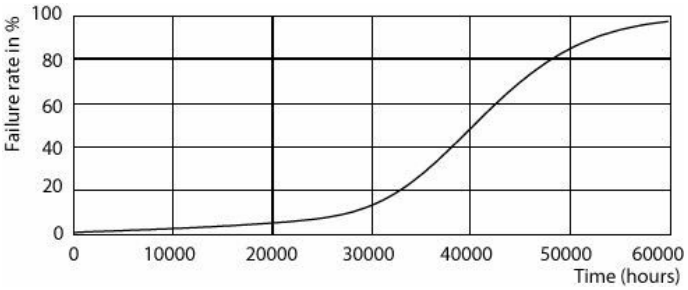


Spectral Power Distribution Colour - MAS LED ExpertColor 5.5-50W GU10 940 36D

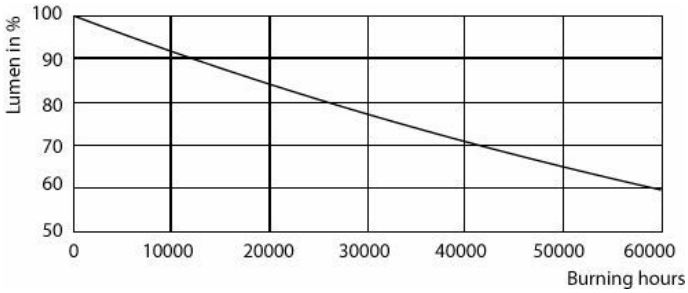


Light Distribution Diagram - MAS LED ExpertColor 5.5-50W GU10 940 36D

Lifetime



40K LED



Lumen Maintenance Diagram - MAS LED ExpertColor 5.5-50W GU10 940 36D

Related Documents

Documents and certificates	Document Name	Download
Environmental Product Declaration	Philips-MASTER-LEDspot-ExpertColor-MV-COMF-6486216-Ref-929001347308-EPD.pdf	Download

Photometry and lighting design	Document Name	Download
IES File	LEDspot_50W_GU10_940_36D-IES.ies	Download

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