MASTER LED spot ExpertColor MV

MAS LED ExpertColor 5.5-50W GU10 940 36D

MASTER, LEDspot, PAR16, 50 W, GU10, 4000 K, 400 lm, CRI 97, 40000 h, Glass

MASTER LEDspot MV ExpertColor creates a warm and comfortable ambience for hospitality venues, homes and restaurants. It creates ambience with superior lighting that has a customised spectrum, high CRI and deep dimming features. The result? A beautiful lighting experience. What's more, the innovative, trimless lens design will also suit almost any interior decor with its clean and neat look. In addition, you can take advantage of the full ExpertColor family, which also includes LEDspot LV lamps.

Product data

General Information	
Cap base	GU10
Nominal lifetime	40,000 h
Switching Cycle	50,000
Lighting Technology	LEDspot
Flux measurement reference	Narrow Cone
Warranty period	5 years

Light Technical	
Colour Code	940 [CCT of 4000K]
Beam angle (nom.)	36 degree(s)
Luminous Flux	400 lm
Luminous intensity (nom.)	940 cd
Colour designation	Cool White (CW)

Correlated Colour Temperature (Nom)	4000 K
Luminous efficacy (rated) (nom.)	72 lm/W
Colour consistency	<3
Colour 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

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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

EyeComfort	Yes
Flickering value (PstLM)	1
Stroboscopic effect	0.4
Ambient temperature range	-20 to +45 °C

Temperature	
T-Case maximum (nom.)	66 °C

Application Conditions	
Can it be used in closed luminaires	No
Wireless Technology	Not applicable

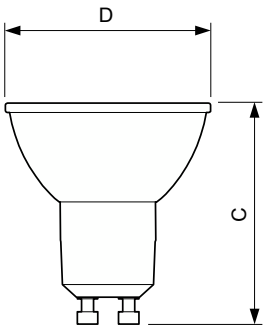
Controls and Dimming	
Dimmable	Only with specific dimmers

Mechanical and Housing	
Lamp 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/1,000 hours	6 kWh
EPREL Registration Number	391835
CE mark	Yes
EU RoHS compliant	Yes

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 EOC	871869670771500
Order code	929001347502
Material no. (12 NC)	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

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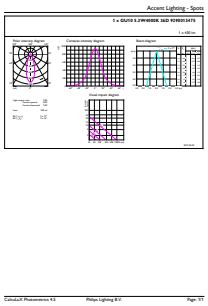
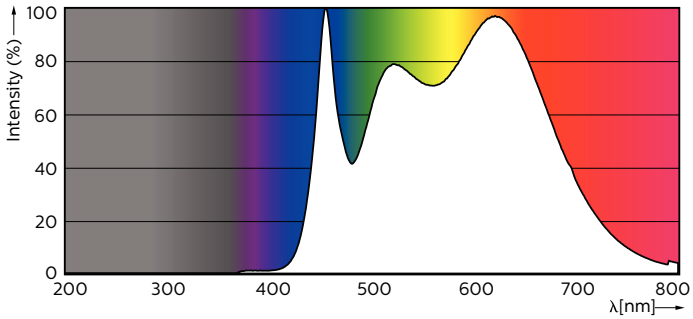
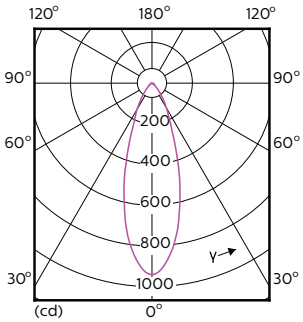
Photometric data



Accent Lighting Spots - MAS LED ExpertColor 5.5-50W GU10 940 36D

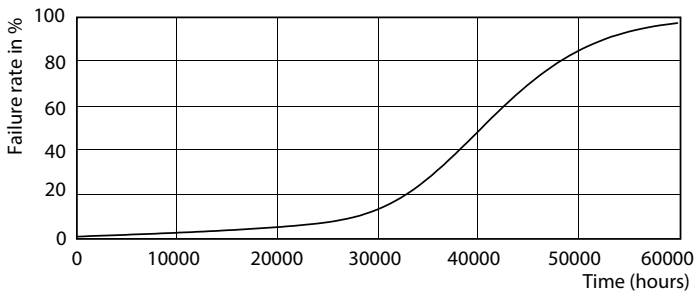


Spectral Power Distribution Colour - MAS LED ExpertColor 5.5-50W GU10 940 36D

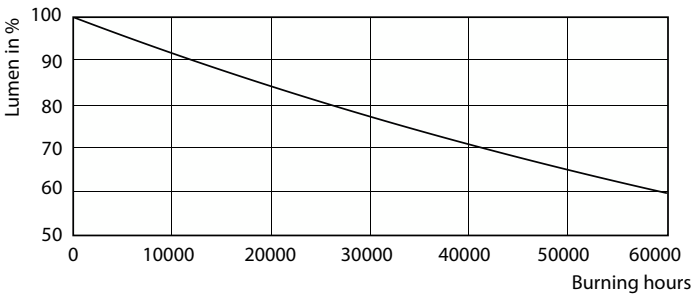


Light Distribution Diagram - MAS LED ExpertColor 5.5-50W GU10 940 36D

Lifetime



40K LED



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

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2023, April 14 - data subject to change