



MASTER LED spot ExpertColor MV

MAS LED ExpertColor 5.5-50W GU10 940 25D

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.)	25 degree(s)
Luminous Flux	400 lm
Luminous intensity (nom.)	1,200 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

Temperature

T-Case maximum (nom.)	66 °C
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Controls and Dimming

Dimmable	Only with specific dimmers
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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	391833
CE mark	Yes
EU RoHS compliant	Yes

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

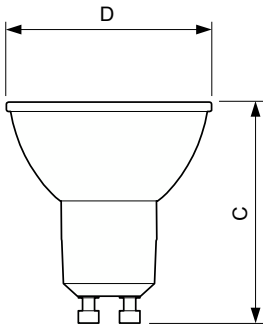
Application Conditions

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 25D
Full product name	MAS LED ExpertColor 5.5-50W GU10 940 25D
Full EOC	871869670765400
Order code	929001347202
Material no. (12 NC)	929001347202
Numerator – quantity per pack	1
EAN/UPC – Product/Case	8718696707654
Numerator – packs per outer box	10
EAN/UPC - Case	8718696707661

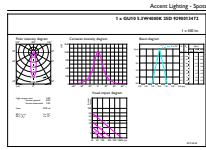
Dimensional drawing



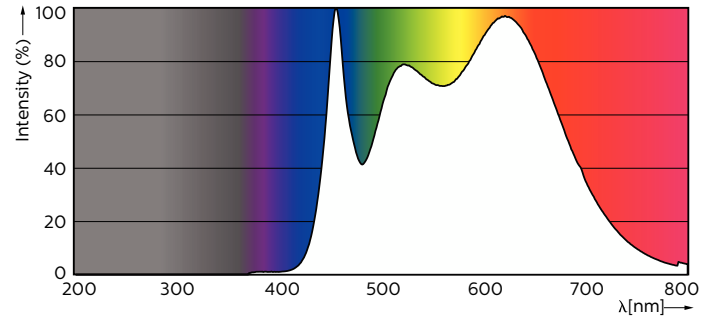
Product	D	C
MAS LED ExpertColor 5.5-50W GU10 940 25D	50 mm	54 mm

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Photometric data

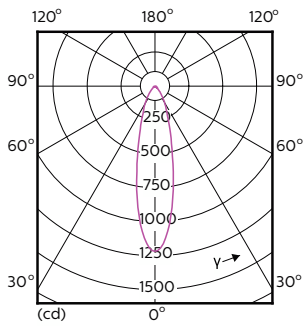


Technical Parameters 43 Photo Lighting 8.1 Page 17



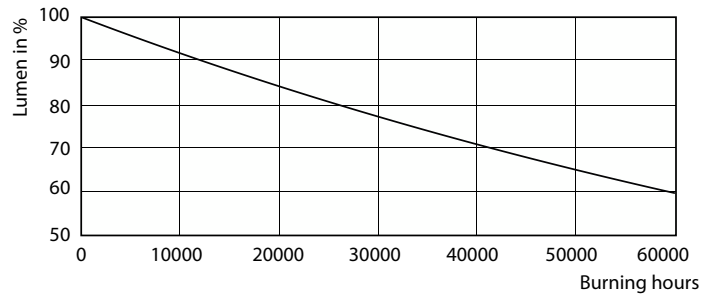
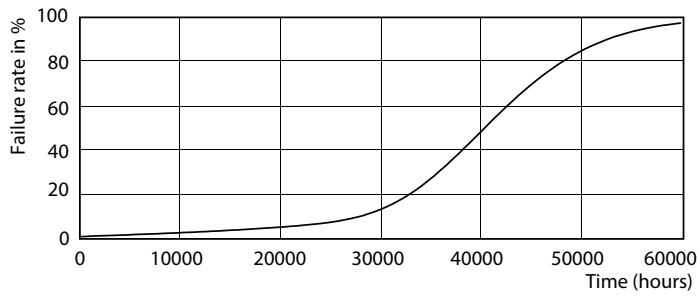
Accent Lighting Spots - MAS LED ExpertColor 5.5-50W GU10 940 25D

Spectral Power Distribution Colour - MAS LED ExpertColor 5.5-50W GU10 940 25D



Light Distribution Diagram - MAS LED ExpertColor 5.5-50W GU10 940 25D

Lifetime



40K LED

Lumen Maintenance Diagram - MAS LED ExpertColor 5.5-50W GU10 940 25D

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