



MASTER LEDspot ExpertColor MV

MASTER LED ExpertColor 5.5–50W GU10 940 36D

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

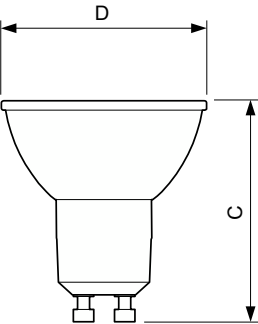
General Information	
Cap base	GU10
Nominal lifetime	40,000 h
Switching Cycle	50,000
Lighting Technology	LED
Flux measurement reference	Narrow Cone
CE mark	Yes
EU RoHS compliant	Yes
Light Technical	
Colour Code	940 [CCT of 4000K]
Beam angle (nom.)	36 degree(s)
Luminous Flux	400 lm
Luminous intensity (nom.)	800 cd
Colour designation	Cool White (CW)
Correlated Colour Temperature	4000 K
Luminous efficacy (rated) (nom.)	72.00 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
Flickering value (PstLM)	1
Stroboscopic effect	0.4
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.)	30 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

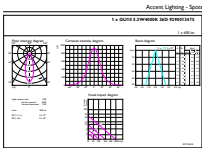
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Temperature	
T-Case maximum (nom.)	80 °C
Controls and Dimming	
Dimmable	Only with specific dimmers
Mechanical and Housing	
Bulb shape	PAR16
Approval and Application	
Energy Efficiency Class	F
Suitable for accent lighting	Yes
Energy consumption kWh/1,000 hours	6 kWh
EPREL registration number	391835
EyeComfort	Yes
Application Conditions	
Can it be used in closed luminaires	No

Dimensional drawing



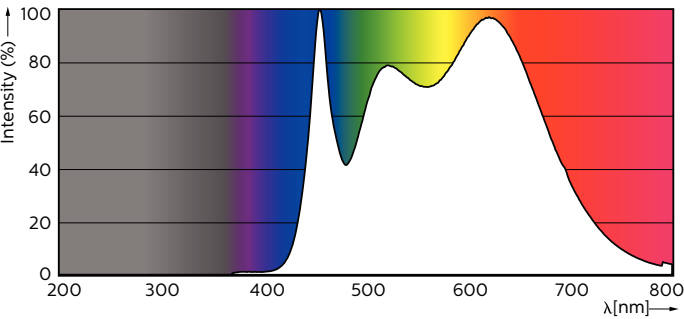
Photometric data



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

Product Data	
Order product name	MAS LED ExpertColor 5.5-50W GU10 940 36D
Full product name	MASTER LED ExpertColor 5.5-50W GU10 940 36D
Full EOC	871869670771500
Order code	70771500
Material no. (12 NC)	929001347502
SAP numerator – quantity per pack	1
EAN/UPC – Product/Case	8718696707715
Numerator – packs per outer box	10
EAN/UPC - Case	8718696707722

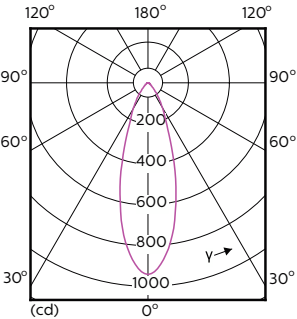
Product	D	C
MAS LED ExpertColor 5.5-50W GU10 940 36D	50 mm	54 mm



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

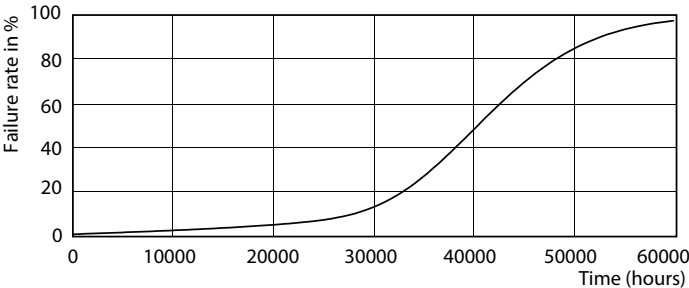
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Photometric data

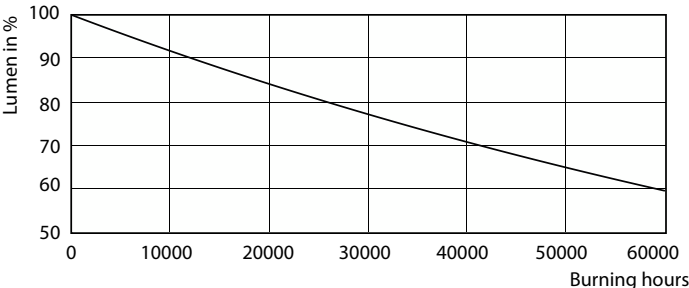


Light Distribution Diagram - MAS LED ExpertColor 5.5-50W GU10 940 36D

Lifetime



Life Expectancy Diagram - MAS LED ExpertColor 5.5-50W GU10 940 36D



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

