

**PHILIPS**

Lighting



# MASTER LEDspot ExpertColor MV

## MASTER LED ExpertColor 5.5-50W GU10 940 25D

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

Light Technical	
Colour Code	940 [CCT of 4000K]
Beam angle (nom.)	25 degree(s)
Luminous Flux	400 lm
Luminous intensity (nom.)	1,050 cd
Luminous efficacy (rated) (nom.)	72.00 lm/W
Colour designation	Cool White (CW)
Correlated Colour Temperature	4000 K
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

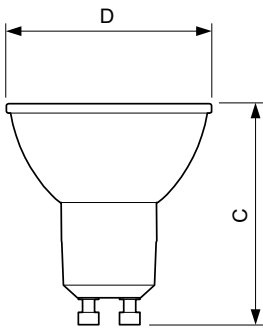
Operating and Electrical	
Line Frequency	50 to 60 Hz
Input frequency	50 to 60 Hz
Power Consumption	5.5 W
Lamp current (nom.)	30 mA
Wattage equivalent	50 W
Starting time (nom.)	0.5 s
Warm-up time to 60% light	0.5 s
Power Factor (Fraction)	0.8
Voltage (nom.)	220-240 V

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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	391833
CE mark	Yes
EU RoHS compliant	Yes
EyeComfort	Yes

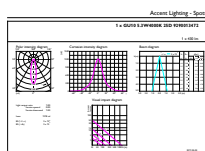
Application Conditions	
Can it be used in closed luminaires	No
Product Data	
Order product name	MAS LED ExpertColor 5.5-50W GU10 940 25D
Full product name	MASTER LED ExpertColor 5.5-50W GU10 940 25D
Full EOC	871869670765400
Order code	70765400
Material no. (12 NC)	929001347202
Numerator – quantity per pack	1
Net Weight (Piece)	0.038 kg
EAN/UPC – Product/Case	8718696707654
Numerator – packs per outer box	10
EAN/UPC - Case	8718696707661

## Dimensional drawing

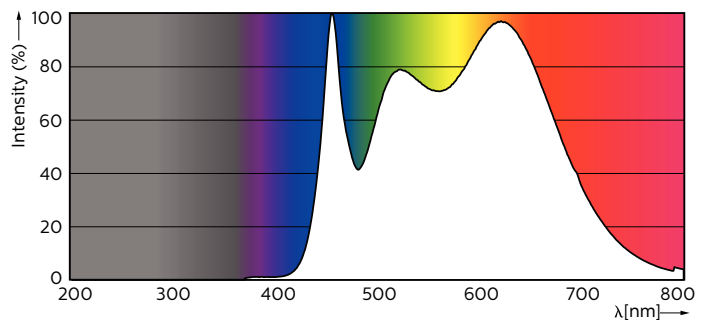


Product	D	C
MAS LED ExpertColor 5.5-50W GU10 940 25D	50 mm	54 mm

## Photometric data



Accent Lighting - Spot  
1 x 50W x 12° beam angle  
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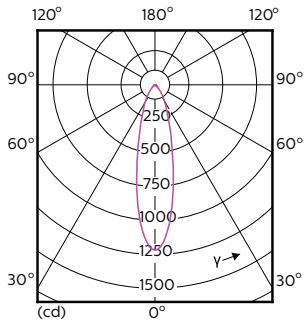


Accent Lighting Spots - MAS LED ExpertColor 5.5-50W GU10 940 25D

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

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## Photometric data



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

