



# MASTER LEDspot ExpertColor MV

## MAS LED ExpertColor 5.5-50W GU10 940 36D

MASTER LEDspot ExpertColor creates a warm and comfortable ambience for hospitality venues, homes and restaurants. They offer superior lighting that has a customized spectrum, high CRI, and deep dimming feature. What's more the innovative, trimless lens design will also suit almost any interior decor with its clean and neat look. In addition, with MASTER LEDspot ExpertColor you can take advantage of the full ExpertColor family, which also includes LEDspot MR16, LEDspot AR111 and LEDspot PAR lamps. MASTER LEDspot ExpertColor delivers huge energy savings and minimizes maintenance costs without any compromise on light quality and lifetime, enabling residential and business owners to achieve a return on their investment within a short time period.

### Product data

General Information	
Cap-Base	GU10
Nominal lifetime	40,000 hour(s)
Switching Cycle	50,000
Lighting Technology	LED
Flux measurement reference	Narrow Cone
Light Technical	
Color Code	940 [CCT of 4000K]
Beam Angle (Nom)	36 degree(s)
Luminous Flux	400 lm
Luminous Intensity (Nom)	800 cd
Color Designation	Cool White (CW)
Correlated Color Temperature (Nom)	4000 K
Luminous Efficacy (rated) (Nom)	72.00 lm/W

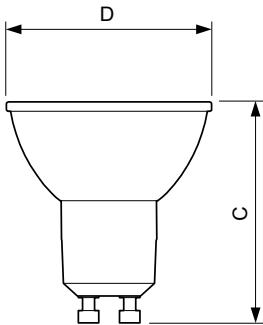
Color Consistency	<3
Color rendering index (CRI)	97
LLMF At End Of Nominal Lifetime (Nom)	70 %
Luminous Flux in 90° Cone (Rated)	400 lm
Photobiological safety according to EN 62471	RG1
Operating and Electrical	
Line Frequency	50 to 60 Hz
Input Frequency	50 to 60 Hz
Power Consumption	5.5 W
Lamp Current (Nom)	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

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Voltage (Nom)	220-240 V
<b>Temperature</b>	
T-Case Maximum (Nom)	80 °C
<b>Controls and Dimming</b>	
Dimmable	Only with specific dimmers
<b>Mechanical and Housing</b>	
Bulb Shape	PAR16
Net Weight (Piece)	0.038 kg
<b>Approval and Application</b>	
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
<b>Application Conditions</b>	
can it be used in closed luminaires	No
<b>Product Data</b>	
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

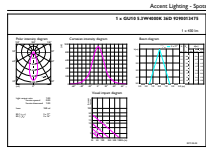
## Dimensional drawing



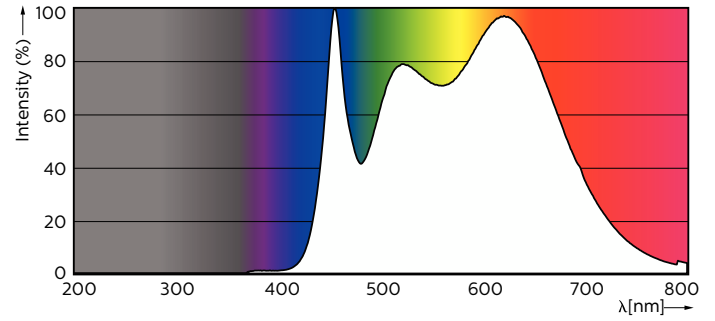
Product	D	C
MAS LED ExpertColor 5.5-50W GU10 940 36D	50 mm	54 mm

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## Photometric data

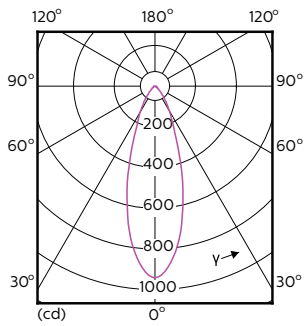


Technical Parameters 43 Photo Lighting 8.1 Page 17



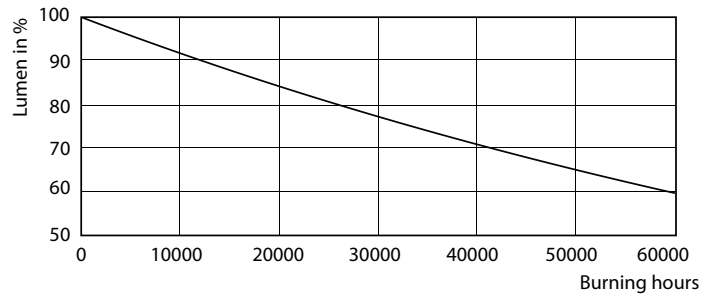
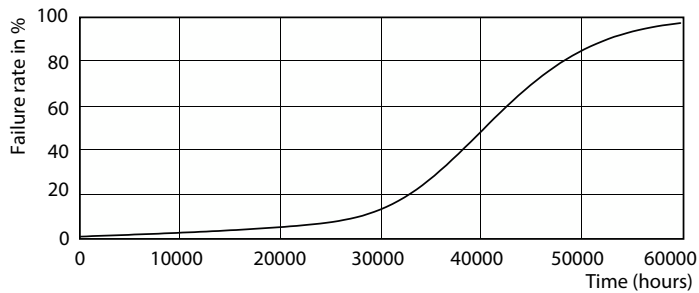
Accent Lighting Spots - MAS LED ExpertColor 5.5-50W GU10 940 36D

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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