



MASTER LED spot ExpertColor MV

MASTER LED ExpertColor 5.5-50W GU10 940 25D

MASTER, LEDspot, PAR16, 50 W, GU10, 4000 K, 400 lm, CRI 97, 40000 hour(s), Glass

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

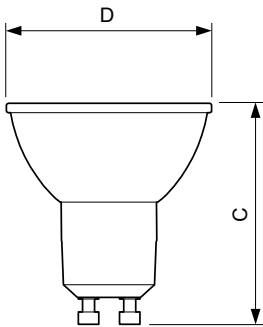
General Information	
Cap-Base	GU10
Nominal lifetime	40,000 hour(s)
Switching Cycle	50,000
Lighting Technology	LEDspot
Flux measurement reference	Narrow Cone
Warranty period	5 years
Light Technical	
Color Code	940 [CCT of 4000K]
Beam Angle (Nom)	25 degree(s)

Luminous Flux	400 lm
Luminous Intensity (Nom)	1,200 cd
Color Designation	Cool White (CW)
Correlated Color Temperature (Nom)	4000 K
Luminous Efficacy (rated) (Nom)	72 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

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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
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
Controls and Dimming	
Dimmable	Only with specific dimmers
Mechanical and Housing	
Bulb 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/1000 h	6 kWh

Dimensional drawing



EPREL Registration Number	391833
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
Ambient temperature range	-20 to +45 °C

Application Conditions

can it be used in closed luminaires	No
Wireless Technology	Not applicable

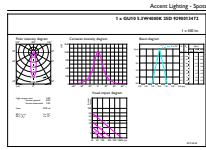
Product Data

Order product name	MAS LED ExpertColor 5.5-50W GU10 940 25D
Full product name	MASTER LED ExpertColor 5.5-50W GU10 940 25D
Full product code	871869670765400
Order code	70765400
Material Nr. (12NC)	929001347202
Numerator - Quantity Per Pack	1
EAN/UPC - Product/Case	8718696707654
Numerator - Packs per outer box	10
EAN/UPC - Case	8718696707661

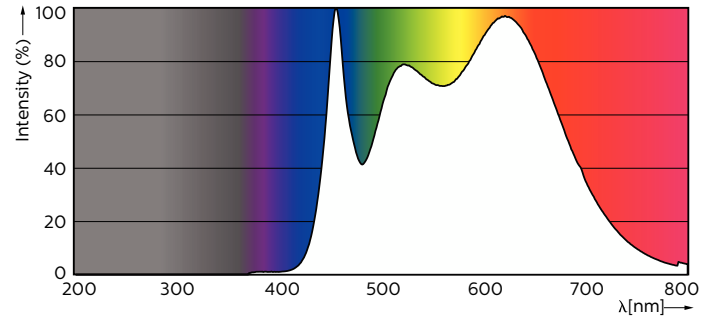
Product	D	C
MAS LED ExpertColor 5.5-50W GU10 940 25D	50 mm	54 mm

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Photometric data

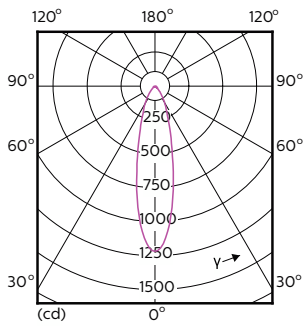


Technical Parameters 43 Photo Lighting 8.1 Page 17



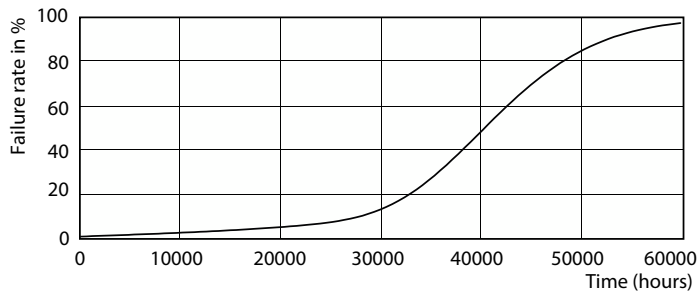
Accent Lighting Spots - MAS LED ExpertColor 5.5-50W GU10 940 25D

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

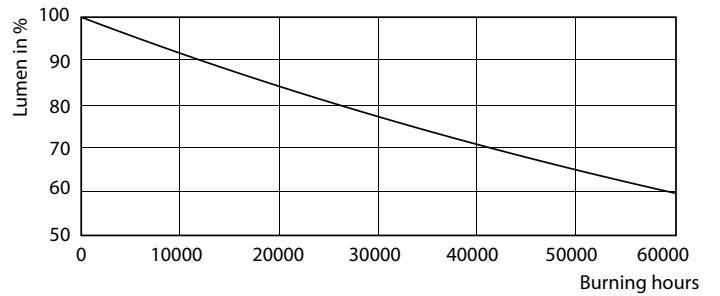


Light Distribution Diagram - MAS LED ExpertColor 5.5-50W GU10 940 25D

Lifetime



40K LED



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

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