

MASTER LEDspot ExpertColor MV

MASTER LED ExpertColor 5.5-50W GU10 927 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
CE mark	Yes
EU RoHS compliant	Yes

Light Technical	
Color Code	927
Beam Angle (Nom)	36 degree(s)
Luminous Flux	355 lm
Luminous Intensity (Nom)	800 cd
Color Designation	Warm White (WW)

Correlated Color Temperature (Nom)	2700 K
Luminous Efficacy (rated) (Nom)	64 lm/W
Color Consistency	<3
Color rendering index (CRI)	97
LLMF At End Of Nominal Lifetime (Nom)	70 %
Luminous Flux in 90° Cone (Rated)	355 lm
Flickering value (PstLM) - Flickering value as per EN 61000-3-3	1
Stroboscopic effect visibility measure (SVM)	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

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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

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	G
Suitable For Accent Lighting	Yes
Energy Consumption kWh/1000 h	6 kWh

EPREL Registration Number	544209
EyeComfort	Yes

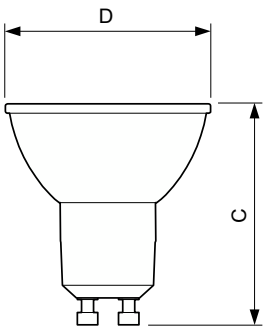
Application Conditions

can it be used in closed luminaires	No

Product Data

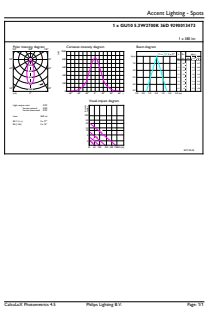
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Full product name	MASTER LED ExpertColor 5.5-50W GU10 927 36D
Full product code	871869670767800
Order code	70767800
Material Nr. (12NC)	929001347302
Numerator - Quantity Per Pack	1
EAN/UPC - Product/Case	8718696707678
Numerator - Packs per outer box	10
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Dimensional drawing

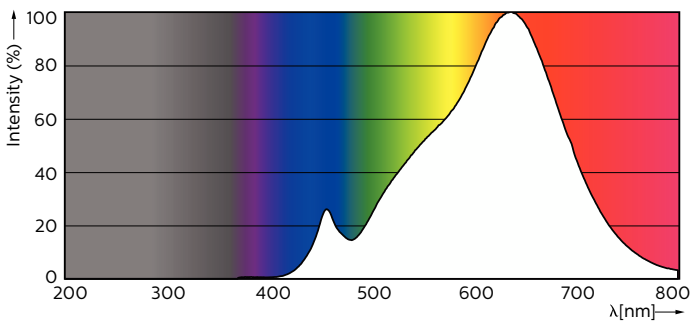


Product	D	C
MAS LED ExpertColor 5.5-50W GU10 927 36D	50 mm	54 mm

Photometric data



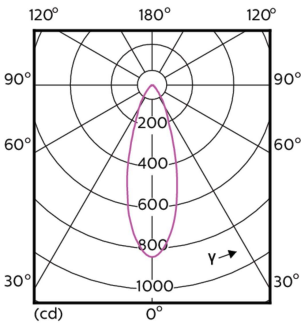
Accent Lighting Spots - MAS LED ExpertColor 5.5-50W GU10 927 36D



Spectral Power Distribution Colour - MAS LED ExpertColor 5.5-50W GU10 927 36D

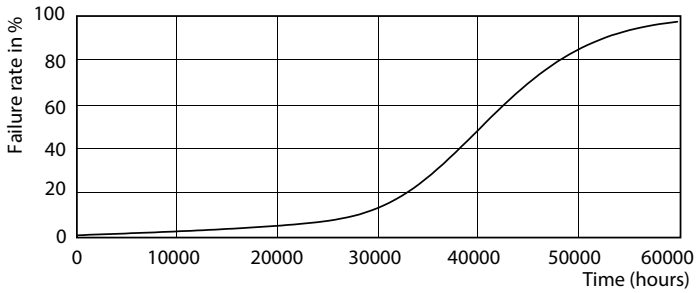
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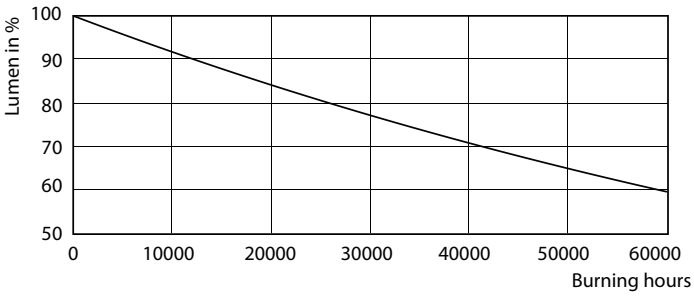


Light Distribution Diagram - MAS LED ExpertColor 5.5-50W GU10 927 36D

Lifetime



Life Expectancy Diagram - MAS LED ExpertColor 5.5-50W GU10 927 36D



Lumen Maintenance Diagram - MAS LED ExpertColor 5.5-50W GU10 927 36D

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