



# MASTER LED spot ExpertColor MV

## MAS LED ExpertColor 3.9-35W GU10 930 36D

MASTER, LEDspot, PAR16, 35 W, GU10, 3000 K, 280 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	930 [CCT of 3000K]
Beam Angle (Nom)	36 degree(s)

Luminous Flux	280 lm
Luminous Intensity (Nom)	680 cd
Color Designation	White (WH)
Correlated Color Temperature (Nom)	3000 K
Luminous Efficacy (rated) (Nom)	71 lm/W
Color Consistency	<3
Color rendering index (CRI)	97
LLMF At End Of Nominal Lifetime (Nom)	70 %
Luminous Flux in 90° Cone (Rated)	280 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	3.9 W
Lamp Current (Nom)	22 mA
Wattage Equivalent	35 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)	56 °C
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## Controls and Dimming

Dimmable	Only with specific dimmers
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## Mechanical and Housing

Bulb Finish	Clear
Bulb Material	Glass
Bulb Shape	PAR16
Net Weight (Piece)	0.054 kg

## Approval and Application

Energy Efficiency Class	G
Suitable For Accent Lighting	Yes
Energy Consumption kWh/1000 h	4 kWh

EPREL Registration Number	391830
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

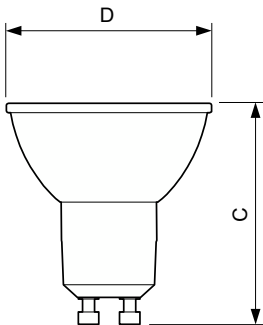
## Application Conditions

can it be used in closed luminaires	No
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## Product Data

Order product name	MAS LED ExpertColor 3.9-35W GU10 930 36D
Full product name	MAS LED ExpertColor 3.9-35W GU10 930 36D
Full product code	871869670757900
Order code	929001346802
Material Nr. (12NC)	929001346802
Numerator - Quantity Per Pack	1
EAN/UPC - Product/Case	8718696707579
Numerator - Packs per outer box	10
EAN/UPC - Case	8718696707586

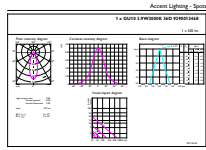
## Dimensional drawing



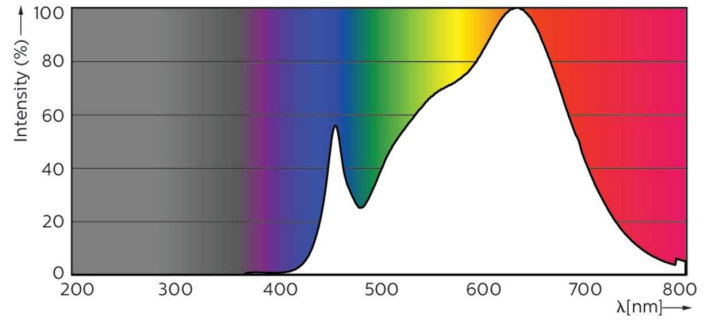
Product	D	C
MAS LED ExpertColor 3.9-35W GU10 930 36D	50 mm	54 mm

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## Photometric data

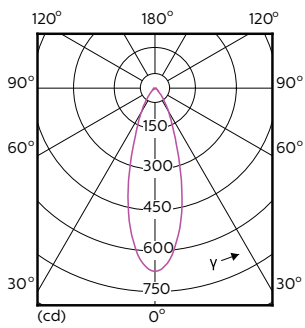


Technical Parameters 43 Photo Lighting 8.1 Page 17



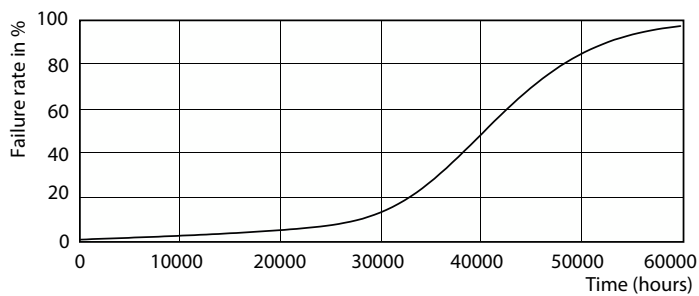
Accent Lighting Spots - MAS LED ExpertColor 3.9-35W GU10 930 36D

Spectral Power Distribution Colour - MAS LED ExpertColor 3.9-35W GU10 930 36D

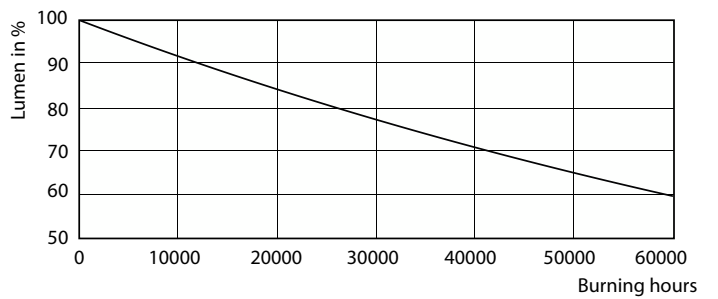


Light Distribution Diagram - MAS LED ExpertColor 3.9-35W GU10 930 36D

## Lifetime



40K LED



Lumen Maintenance Diagram - MAS LED ExpertColor 3.9-35W GU10 930 36D

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