



MASTER LEDspot GU10 UltraEfficient

MAS LEDspot UE 2.1-50W GU10 ND 830 EELA

MASTER, LEDspot, PAR16, 50 W, GU10, 3000 K, 375 lm, CRI 80, 50000 hour(s), Glass

With Philips Ultra Efficient GU10 LED spots you have the perfect retrofit lamp to help your customers save energy and money with high quality, long-lasting and ultra energy-efficient LED.

Product data

General Information	
Cap-Base	GU10
Nominal lifetime	50,000 hour(s)
Switching Cycle	50,000
Lighting Technology	LEDspot
Flux measurement reference	Narrow Cone
Warranty period	5 years
Light Technical	
Color Code	830 [CCT of 3000K]
Beam Angle (Nom)	36 degree(s)
Luminous Flux	375 lm
Luminous Intensity (Nom)	680 cd
Color Designation	White (WH)
Correlated Color Temperature (Nom)	3000 K
Luminous Efficacy (rated) (Nom)	178 lm/W
Color Consistency	<6
Color rendering index (CRI)	80

LLMF At End Of Nominal Lifetime (Nom)	70 %
Luminous Flux in 90° Cone (Rated)	375 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	2.1 W
Lamp Current (Nom)	21 mA
Wattage Equivalent	50 W
Starting Time (Nom)	0.5 s
Warm-up time to 60% light	0.5 s
Power Factor (Fraction)	0.3
Voltage (Nom)	220-240 V
Temperature	
T-Case Maximum (Nom)	50 °C

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Controls and Dimming

Dimmable	No
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Mechanical and Housing

Bulb Finish	Clear
Bulb Material	Glass
Bulb Shape	PAR16
Net Weight (Piece)	0.052 kg

Approval and Application

Energy Efficiency Class	A
Suitable For Accent Lighting	Yes
Energy Consumption kWh/1000 h	3 kWh
EPREL Registration Number	1428240
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

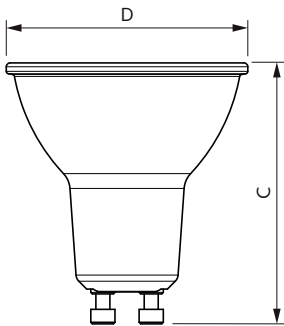
Application Conditions

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

Product Data

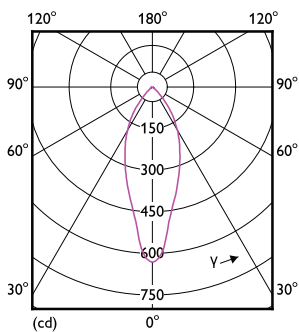
Order product name	MAS LEDspot UE 2.1-50W GU10 ND 830 EELA
Full product name	MAS LEDspot UE 2.1-50W GU10 ND 830 EELA
Full product code	872016917434400
Order code	17434400
Material Nr. (12NC)	929003610002
Numerator - Quantity Per Pack	1
EAN/UPC - Product/Case	8720169174344
Numerator - Packs per outer box	10
EAN/UPC - Case	8720169174351

Dimensional drawing

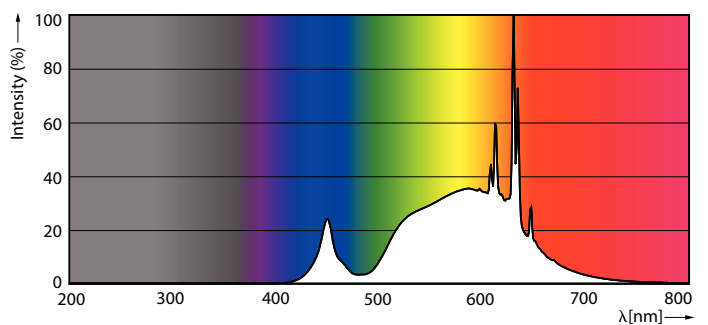


Product	D	C
MAS LEDspot UE 2.1-50W GU10 ND 830 EELA	50 mm	54 mm

Photometric data



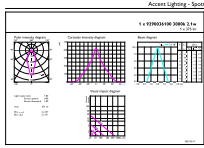
Light Distribution Diagram - MAS LEDspot UE 2.1-50W GU10 ND 830 EELA



Spectral Power Distribution Colour - MAS LEDspot UE 2.1-50W GU10 ND 830 EELA

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Photometric data



Technical Parameters 4.1 | Philips Lighting B.V. | Page 10

Accent Lighting Spots - MAS LEDspot UE 2.1-50W GU10 ND 830 EELA

Lifetime



Life Expectancy Diagram



Lumen Maintenance Diagram - MAS LEDspot UE 2.1-50W GU10 ND 830 EELA

