

PHILIPS

Lighting



MASTER LEDspot GU10 UltraEfficient

MAS LEDspot UE 2.4-50W GU10 ND 830 EELB

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 h
Switching Cycle	50,000
Lighting Technology	LED
Flux measurement reference	Narrow Cone
CE mark	Yes
EU RoHS compliant	Yes

Light Technical	
Colour Code	830 [CCT of 3000K]
Beam angle (nom.)	36 degree(s)
Luminous Flux	380 lm
Luminous intensity (nom.)	900 cd
Colour designation	White (WH)
Correlated Colour Temperature	3000 K
Luminous efficacy (rated) (nom.)	158 lm/W
Colour consistency	<6
Colour rendering index (CRI)	80
LLMF at end of nominal lifetime (nom.)	70 %
Luminous flux in 90° cone (rated)	380 lm

Flickering value (PstLM)	1
Stroboscopic effect	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	2.4 W
Lamp current (nom.)	27 mA
Wattage equivalent	50 W
Starting time (nom.)	0.5 s
Warm-up time to 60% light	0.5 s
Power Factor (Fraction)	0.35
Voltage (nom.)	220-240 V

Temperature	
Ambient temperature range	-20°C to 45°C
T-Case maximum (nom.)	55 °C

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Controls and Dimming

Dimmable	No
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Mechanical and Housing

Lamp Finish	Clear
Bulb material	Clear plastic
Bulb shape	PAR16 [PAR 2 inch/50 mm]

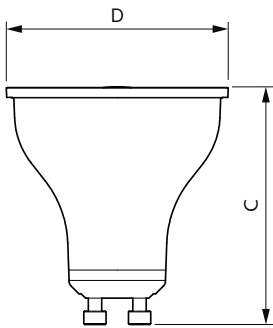
Approval and Application

Energy Efficiency Class	B
Suitable for accent lighting	Yes
Energy consumption kWh/1,000 hours	3 kWh
EPREL registration number	1330819
EyeComfort	Yes

Product Data

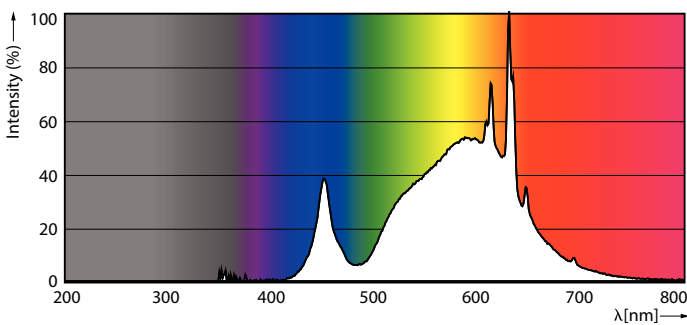
Order product name	MAS LEDspot UE 2.4-50W GU10 ND 830 EELB
Full product name	MAS LEDspot UE 2.4-50W GU10 ND 830 EELB
Full EOC	871951442174500
Order code	42174500
Material no. (12 NC)	929003163102
SAP numerator – quantity per pack	1
EAN/UPC – Product/Case	8719514421745
Numerator – packs per outer box	10
EAN/UPC - Case	8719514421752

Dimensional drawing

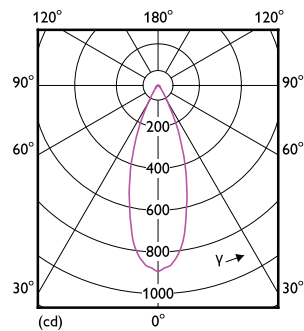


Product	D	C
MAS LEDspot UE 2.4-50W GU10 ND 830 EELB	50 mm	54 mm

Photometric data



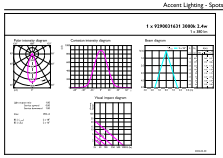
Spectral Power Distribution Colour - MAS LEDspot UE 2.4-50W GU10 ND 830 EELB



Light Distribution Diagram - MAS LEDspot UE 2.4-50W GU10 ND 830 EELB

MASTER LEDspot GU10 UltraEfficient

Photometric data



Accent Lighting Spots - MAS LEDspot UE 2.4-50W GU10 ND 830 EELB

Lifetime



Life Expectancy Diagram - MAS LEDspot UE 2.4-50W GU10 ND 830 EELB



Lumen Maintenance Diagram - MAS LEDspot UE 2.4-50W GU10 ND 830 EELB

