



MASTER LEDspot GU10 UltraEfficient



MAS LEDspot UE 2.4-50W GU10 ND 840 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 [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	840 [CCT of 4000K]
Beam angle (nom.)	36 degree(s)
Luminous Flux	380 lm
Luminous intensity (nom.)	950 cd
Colour designation	Cool White (CW)
Correlated Colour Temperature	4000 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 ℃	

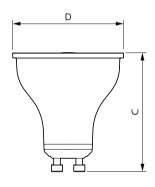
Datasheet, 2023, April 15 data subject to change

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Controls and Dimming	
Dimmable	No
Mechanical and Housing	
Lamp Finish	Clear
Bulb material	Clear plastic
Bulb shape	PAR16 [PAR 2 inch/50 mm]
Approval and Application	
Energy Efficiency Class	В
Suitable for accent lighting	Yes
Energy consumption kWh/1,000 hours	3 kWh
EPREL registration number	1330818
EyeComfort	Yes

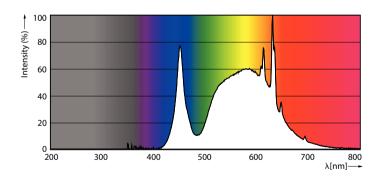
Product Data	
Full EOC	871951442178300
Order product name	MAS LEDspot UE 2.4-50W GU10 ND 840
	EELB
Order code	42178300
SAP numerator – quantity per pack	1
Numerator – packs per outer box	10
Material no. (12 NC)	929003163202
Full product name	MAS LEDspot UE 2.4-50W GU10 ND 840
	EELB
EAN/UPC - Case	8719514421790
EAN/UPC - Product/Case	8719514421783

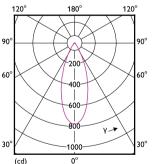
Dimensional drawing



Product	D	С
MAS LEDspot UE 2.4-50W GU10 ND 840 EELB	50 mm	54 mm

Photometric data



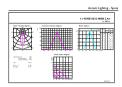


Spectral Power Distribution Colour - MAS LEDspot UE 2.4-50W GU10 ND 840 EELB

Light Distribution Diagram - MAS LEDspot UE 2.4-50W GU10 ND 840 EELB

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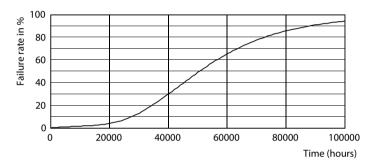
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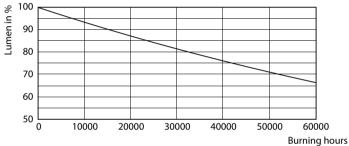


Calculus Photometrics 4.2.1 Philips Lighting B.V. Page: 17

Accent Lighting Spots - MAS LEDspot UE 2.4-50W GU10 ND 840 EELB

Lifetime





Life Expectancy Diagram - MAS LEDspot UE 2.4-50W GU10 ND 840 EELB

Lumen Maintenance Diagram - MAS LEDspot UE 2.4-50W GU10 ND 840 EELB



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