

PHILIPS

Lighting



MASTER LEDspot GU10 UltraEfficient

MAS LEDspot UE 2.1-50W GU10 ND 840 EELA

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

Light Technical	
Colour Code	840 [CCT of 4000K]
Beam angle (nom.)	36 degree(s)
Luminous Flux	375 lm
Luminous intensity (nom.)	680 cd
Luminous efficacy (rated) (nom.)	178 lm/W
Colour designation	Cool White (CW)
Correlated Colour Temperature	4000 K
Colour consistency	<6
Colour rendering index (CRI)	80
LLMF at end of nominal lifetime (nom.)	70 %
Luminous flux in 90° cone (rated)	375 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	2.1 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)	0.4
Voltage (nom.)	220-240 V

Temperature	
Ambient temperature range	-20 to +45 °C
T-Case maximum (nom.)	50 °C

Controls and Dimming	
Dimmable	No

MASTER LEDspot GU10 UltraEfficient

Mechanical and Housing

Lamp Finish	Clear
Bulb material	Glass
Bulb shape	PAR16

Approval and Application

Energy Efficiency Class	A
Suitable for accent lighting	Yes
Energy consumption kWh/1,000 hours	3 kWh
EPREL registration number	1428241
EU RoHS compliant	Yes
EyeComfort	Yes

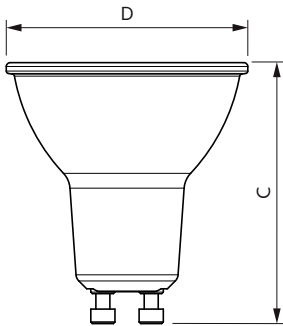
Application Conditions

Can it be used in closed luminaires	No
-------------------------------------	----

Product Data

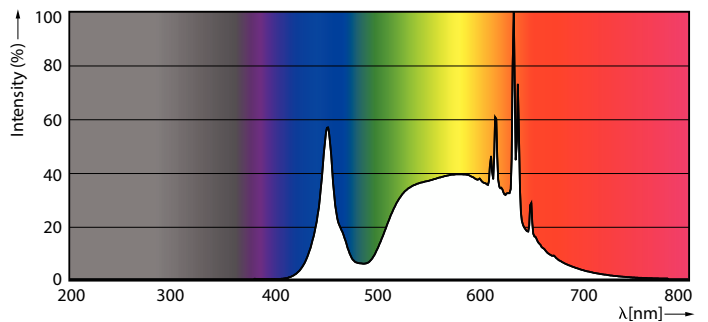
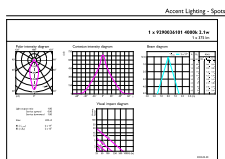
Order product name	MAS LEDspot UE 2.1-50W GU10 ND 840 EELA
Full product name	MAS LEDspot UE 2.1-50W GU10 ND 840 EELA
Full EOC	872016917436800
Order code	17436800
Material no. (12 NC)	929003610102
Net Weight (Piece)	0.052 kg
EAN/UPC – Product/Case	8720169174368
Numerator – packs per outer box	10
EAN/UPC – Case	8720169174375

Dimensional drawing



Product	D	C
MAS LEDspot UE 2.1-50W GU10 ND 840 EELA	50 mm	54 mm

Photometric data

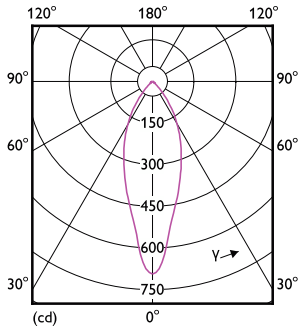


Accent Lighting Spots - MAS LEDspot UE 2.1-50W GU10 ND 840 EELA

Spectral Power Distribution Colour - MAS LEDspot UE 2.1-50W GU10 ND 840 EELA

MASTER LEDspot GU10 UltraEfficient

Photometric data



Light Distribution Diagram - MAS LEDspot UE 2.1-50W GU10 ND 840 EELA

Lifetime



Life Expectancy Diagram



Lumen Maintenance Diagram - MAS LEDspot UE 2.1-50W GU10 ND 840 EELA

