PRODUCT DATASHEET
SMART+ MATTER Multicolor Spot PAR16 50 45° 4.7W GU10

SMART+ MATTER Spot Multicolor | SMART+ Matter Spot lamps with Matter technology



Areas of application

- General illumination through smart home technology
- Professional applications (hotels, bars, boutiques etc.) utilizing dynamic and robust ambient lighting effects
- When users want to mix and match smart home products from different manufacturers
- Outdoor use in suitable outdoor luminaires only

Product benefits

- Wireless control via app or voice control
- Seamless integration with Matter-compatible systems
- Simplified set up process due to the standard user-friendly installation steps
- Enhanced security by implementing strong encryption and authentication protocols
- Lower energy consumption than incandescent or halogen lamps

Product features

- Controllable via SMART+ App (with minimum Android 8.0 or iOS 14.0) or any other Matter-compatible platforms
- Adjustable light color via Tunable White: Warm White to Cool White (2,700 K…6,500 K)
- RGB color control, approx. 16 million color options adjustable
- Dimmable
- Network protocol: Matter over WiFi
- Lifetime: up to 20,000 h
- Compatible with Alexa, Google Home, Apple Home and other Matter-compatible platforms
- Compatible with WiFi Remote Control





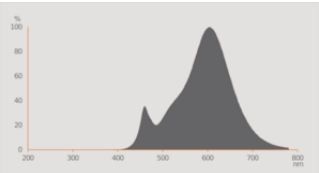
TECHNICAL DATA

Electrical data

Nominal wattage	4.7 W
Construction wattage	4.70 W
Nominal voltage	230 V
Nominal current	40 mA
Operating frequency	50…60 Hz
Mains frequency	50…60 Hz
Power factor λ	0.50
Claimed equiv. conventional lamp power	50 W
Operating mode	AC Mains

Photometrical data

Light color (designation)	RGBW
Lumen main.fact.at end of nom.life time	0.95
Standard deviation of color matching	≤6 sdcm
Nominal luminous flux	350 lm
Luminous flux	350 lm
Luminous efficacy	74 lm/W
Luminous intensity	600 cd
Adjustable color temperature	2700…6500 K
Color temperature	2700…6500 K
Color rendering index Ra	≥80
Flickering metric (Pst LM)	≤ 1
Stroboscope effect metric (SVM)	≤ 0.4



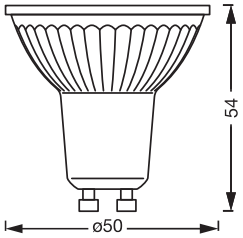
Everlight 67-23ST KKE 2700K

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Light technical data

Beam angle	45 °
Starting time	0.5 s
Warm-up time (60 %)	0.50 s

Dimensions & Weight



Product weight	43.00 g
Diameter	50.00 mm
Maximum diameter	50 mm
Length	54.00 mm
Width	50.00 mm
Height	50.00 mm
Outer bulb [PICOS]	PAR51

Lifespan

Number of switching cycles	100000
Lifespan	20000 h [1)]
Lumen maintenance at end of service lifetime	0.95

1) L70/B50

Colors & materials

Product color	Silver
Body material	Glass

Temperatures & operating conditions

Ambient temperature range	-20…+40 °C

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Additional product data

Mercury-free	Yes
Product remark	All technical parameters apply to the entire lamp / Due to the complex production process for light-emitting diodes, the typical values shown for the technical LED parameters are purely statistical values that do not necessarily match the actual technical parameters of each individual product, which can vary from the typical value
Base (standard designation)	GU10

Capabilities

Dimmable	Yes [1)]
Network protocol	Matter over WiFi
Compatible smart home technology	Amazon Alexa / Google Home / Apple Home / Samsung SmartThings / Homey / Home Assistant

1) Via App

Certificates & Standards

Energy efficiency class	F [1)]
Energy consumption	5.00 kWh/1000h
Standards	CE / UKCA
Type of protection	IP20

1) Energy efficiency class (EEC) on a scale of A (highest efficiency) to G (lowest efficiency)

Energy labelling regulation data acc EU 2019/2015

Lighting technology used	LED
Non-directional or directional	DLS
Mains or non-mains	MLS
Light source cap-type (or other electric interface)	GU10
Connected light source (CLS)	Yes
Color-tuneable light source	Yes
Envelope	No
High luminance light source	No
Anti-glare shield	No
Correlated colour temperature type	RANGE
Standby power	0 W
Networked standby power for CLS	0.50 W
Claim of equivalent power	Yes
Chromaticity coordinate x	0.4578

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Chromaticity coordinate y	0.4101
R9 Colour rendering index	1
Beam angle correspondence	NARROW_CONE_90
Survival factor	0.9
Displacement factor	>0.5
LED light source replaces a fluorescent light source	No
EPREL ID	2240725,1694306
Model number	AC52860,AC52860,AC73915,AC73915

Safety advice

- Do not touch the lamp if broken.
- Must not be used if outer bulb is defective.

DOWNLOAD DATA

	Documents and certificates	Document name
PDF	User instruction / safety instructions	
PDF	Declarations of conformity	MATTER RGBW LAMP
PDF	Declarations of conformity UKCA	MATTER RGBW LAMP
PDF	EU Data Act	SMART MATTER Lamps Luminaires Plugs

	Photometric and lighting design files	Document name
	Spectral power distribution	Everlight 67-23ST KKE 2700K

LOGISTICAL DATA

Product code	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Gross weight	Volume
4099854194955	Folding box 1	56 mm x 78 mm x 82 mm	65.00 g	0.36 dm^3
4099854194962	Shipping box 4	162 mm x 122 mm x 96 mm	333.00 g	1.90 dm^3
4099854194979	Shipping box 32	359 mm x 229 mm x 303 mm	5248.00 g	24.91 dm^3

The mentioned product code describes the smallest quantity unit which can be ordered. One shipping unit can contain one or more single products. When placing an order, for the quantity please enter single or multiples of a shipping unit.

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DISCLAIMER

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