PRODUCT DATASHEET
SMART+ MATTER Classic A100 14W 827...865 Multicolor E27

SMART+ MATTER CLASSIC A MULTICOLOR | Classic A bulb shape 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

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– Compatible with Alexa, Google Home, Apple Home and other Matter-compatible platforms

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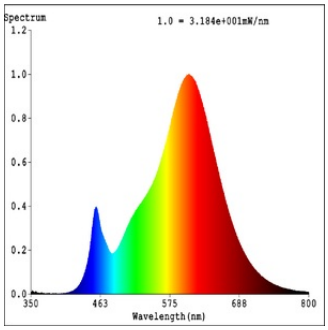
TECHNICAL DATA

Electrical data

Nominal wattage	14 W
Construction wattage	14.00 W
Nominal voltage	220…240 V
Nominal current	115 mA
Operating frequency	50…60 Hz
Mains frequency	50…60 Hz
Power factor λ	0.50
Claimed equiv. conventional lamp power	100 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	1521 lm
Luminous flux	1521 lm
Luminous efficacy	108 lm/W
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



SMART MATTER CLA100 RGBW

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Light technical data

Beam angle	200 °
Starting time	0.5 s
Warm-up time (60 %)	‹ 0.50 s

Dimensions & Weight

Product weight	58.00 g
Diameter	70.00 mm
Maximum diameter	70 mm
Length	137.00 mm
Width	70.00 mm
Height	70.00 mm
Outer bulb [PICOS]	A70

Lifespan

Number of switching cycles	100000
Lifespan	20000 h
Lumen maintenance at end of service lifetime	0.95

Colors & materials

Product color	White
Housing color	White
Body material	Plastic

Temperatures & operating conditions

Ambient temperature range	-20…+40 °C

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

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Base (standard designation)	E27

Capabilities

Dimmable	Yes [1)]
Compatible smart home technology	Amazon Alexa / Google Assistant / Apple HomeKit / Philips Hue

1) Via App

Certificates & Standards

Energy efficiency class	F [1)]
Energy consumption	14.00 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	NDLS
Mains or non-mains	MLS
Light source cap-type (or other electric interface)	E27
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
Networked standby power for CLS	<0.5 W
Claim of equivalent power	Yes
Chromaticity coordinate x	0.4578
Chromaticity coordinate y	0.4101
R9 Colour rendering index	>0
Beam angle correspondence	SPHERE_360
Survival factor	0.9
Displacement factor	>0.7
LED light source replaces a fluorescent light source	No
EPREL ID	1694297,2240728
Model number	AC52856,AC52856,AC73914

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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	Extended installation guide	Insert WIFI MATTER StartUpG Lamps LDV
PDF	Declarations of conformity	CE Declaration Smart Matter Classic
PDF	Declarations of conformity UKCA	UKCA Declaration Smart Matter Classic

	Photometric and lighting design files	Document name
	Spectral power distribution	SMART MATTER CLA100 RGBW

LOGISTICAL DATA

Product code	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Gross weight	Volume
4099854194870	Folding box 1	79 mm x 96 mm x 154 mm	159.00 g	1.17 dm^3
4099854194887	Shipping box 4	210 mm x 165 mm x 176 mm	818.00 g	6.10 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.

DISCLAIMER

Subject to change without notice. Errors and omission excepted. Always make sure to use the most recent release.

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