

# PRODUCT DATASHEET

## SMART+ MATTER Classic A60 9W 827...865 TW E27

SMART+ MATTER CLASSIC shapes Tunable white | Classic bulb shapes with Matter technology Tunable white



### 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)
- Dimmable
- Network protocol: Matter over WiFi
- Lifetime: up to 20,000 h
- Compatible with Alexa, Google Home, Apple Home and other Matter-compatible platforms



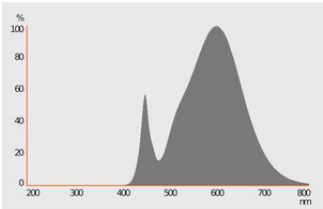
TECHNICAL DATA

Electrical data

Nominal wattage	9 W
Construction wattage	9.00 W
Nominal voltage	220...240 V
Nominal current	60 mA
Operating frequency	50...60 Hz
Mains frequency	50...60 Hz
Power factor $\lambda$	0.50
Claimed equiv. conventional lamp power	60 W
Operating mode	AC Mains

Photometrical data

Light color (designation)	Tunable White
Lumen main.fact.at end of nom.life time	0.95
Standard deviation of color matching	$\leq 6$ sdc <sub>m</sub>
Nominal luminous flux	806 lm
Luminous flux	806 lm
Luminous efficacy	89 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

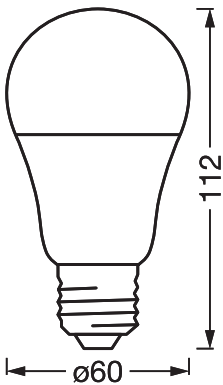


349917\_2700K\_Ni\_757.eps

Light technical data

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

Dimensions & Weight



Product weight	38.00 g
Diameter	60.00 mm
Maximum diameter	60 mm
Length	112.00 mm
Width	60.00 mm
Height	60.00 mm
Outer bulb [PICOS]	A60

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
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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)	E27

### Capabilities

Dimmable	Yes <sup>1)</sup>
Compatible smart home technology	Amazon Alexa / Google Assistant / Apple HomeKit / Samsung SmartThings

<sup>1)</sup> Via App

### Certificates & Standards

Energy efficiency class	F <sup>1)</sup>
Energy consumption	9.00 kWh/1000h
Standards	CE / UKCA
Type of protection	IP20

<sup>1)</sup> 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	No
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	<0.5 W
Claim of equivalent power	Yes

Chromaticity coordinate x	0.4578
Chromaticity coordinate y	0.4101
R9 Colour rendering index	1
Beam angle correspondence	SPHERE_360
Survival factor	0.9
Displacement factor	>0.5
LED light source replaces a fluorescent light source	No
EPREL ID	2240723
Model number	AC73904,AC73904

### 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
	Extended installation guide	SMTMAT 230V
	Declarations of conformity	SMART MAT
	Declarations of conformity UKCA	
Photometric and lighting design files		Document name
	Spectral power distribution	349917_2700K_Ni_757.eps

### LOGISTICAL DATA

Product code	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Gross weight	Volume
4099854528798	Folding box 1	61 mm x 78 mm x 114 mm	61.00 g	0.54 dm <sup>3</sup>
4099854528804	Shipping box 4	164 mm x 130 mm x 128 mm	324.00 g	2.73 dm <sup>3</sup>

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.