

PRODUCT DATASHEET

SMART+ MATTER Filament Dimmable Classic Edison 53 6W 824 Gold E27

SMART+ MATTER Filament Classic shapes Dimmable | Classic filament bulb shapes with Matter technology
Dimmable



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
- Light color of the Clear version: 2700 K (Warm white), light color of the Gold version: 2400 K (Extra warm white)
- Dimmable
- Network protocol: Matter over WiFi
- Lifetime up to 15,000 h



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

TECHNICAL DATA

Electrical data

Nominal wattage	6 W
Construction wattage	6.00 W
Nominal voltage	220...240 V
Nominal current	34 mA
Operating frequency	50/60 Hz
Mains frequency	50/60 Hz
Power factor λ	0.40
Claimed equiv. conventional lamp power	53 W
Operating mode	AC Mains

Photometrical data

Light color (designation)	Warm White
Lumen main.fact.at end of nom.life time	0.93
Standard deviation of color matching	≤ 6 sdc _m
Nominal luminous flux	680 lm
Luminous flux	680 lm
Luminous efficacy	113 lm/W
Color temperature	2400 K
Color rendering index Ra	80
Flickering metric (Pst LM)	≤ 1
Stroboscope effect metric (SVM)	≤ 0.4



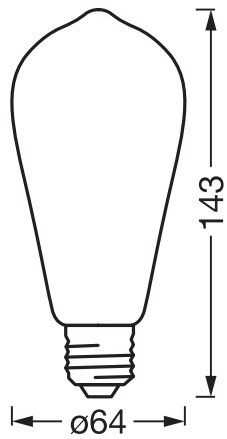
Spectral graph SMART FILAMENT
DIM

Light technical data

Beam angle	300 °
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Starting time	< 0.5 s
Warm-up time (60 %)	< 0.50 s

Dimensions & Weight



Product weight	43.00 g
Diameter	64.00 mm
Maximum diameter	64 mm
Length	143.00 mm
Width	64.00 mm
Height	64.00 mm
Outer bulb [PICOS]	ST64

Lifespan

Number of switching cycles	100000
Lifespan	15000 h
Lumen maintenance at end of service lifetime	0.93

Colors & materials

Product color	Gold
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)	E27

Capabilities

Dimmable	Yes ¹⁾
Compatible smart home technology	Amazon Alexa / Google Home / Apple Home / Samsung SmartThings

¹⁾ Via App

Certificates & Standards

Energy efficiency class	E
Energy consumption	6.00 kWh/1000h
Standards	UKCA / CE
Type of protection	IP20

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	SINGLE_VALUE
Standby power	0 W
Networked standby power for CLS	<0.5
Claim of equivalent power	Yes
Chromaticity coordinate x	0.494
Chromaticity coordinate y	0.424
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	2240736
Model number	AC73899,AC73899

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
	Addon technical information	Wifi remote control compatibility list
	Addon technical information	Wifi remote control compatibility list (DE)
	Extended installation guide	SMTMAT 230
	Declarations of conformity	MATTER LAMP
	Declarations of conformity UKCA	MATTER LAMP
	EU Data Act	SMART MATTER Lamps Luminares Plugs
Photometric and lighting design files		Document name
	Spectral power distribution	Spectral graph SMART FILAMENT DIM

LOGISTICAL DATA

Product code	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Gross weight	Volume
4099854530104	Folding box 1	66 mm x 78 mm x 144 mm	69.00 g	0.74 dm ³
4099854530111	Shipping box 4	164 mm x 142 mm x 158 mm	368.00 g	3.68 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.