

# 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 $\lambda$                 | 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    | $\leq 6$ sdc <sub>m</sub> |
| 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)              | $\leq 1$                  |
| Stroboscope effect metric (SVM)         | $\leq 0.4$                |



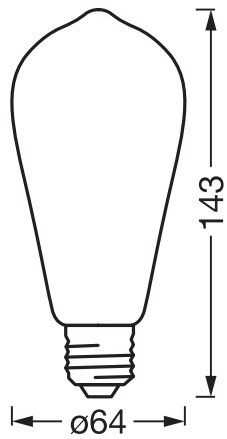
Spectral graph SMART FILAMENT  
DIM

Light technical data

|            |       |
|------------|-------|
| Beam angle | 300 ° |
|------------|-------|

|                     |          |
|---------------------|----------|
| 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 |
|---------------------------|-------------|

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 Home / Apple Home / Samsung SmartThings |

<sup>1)</sup> 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<br>1             | 66 mm x 78 mm x 144 mm               | 69.00 g      | 0.74 dm <sup>3</sup> |
| 4099854530111 | Shipping box<br>4            | 164 mm x 142 mm x 158 mm             | 368.00 g     | 3.68 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.

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## DISCLAIMER

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