# PRODUCT DATASHEET
# LED Star Classic Stick 60 8W 840 Frosted E27

LED STAR STICK | LED lamps, classic stick shape




## Areas of application

- All domestic rooms, especially where the lamps are visible
- Wherever compact and efficient lamps are needed
- Where the lamps need to last a long time or have to withstand frequent on/off switching
- Outdoor use in suitable outdoor luminaires only

## Product benefits

- Lower energy consumption than incandescent or halogen lamps
- Attractive lamp appearance

## Product features

- LED alternative to conventional lamps
- Good quality of light; color rendering index $R_a$: ≥ 80; constant chromaticity
- Mercury-free lamps







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## TECHNICAL DATA

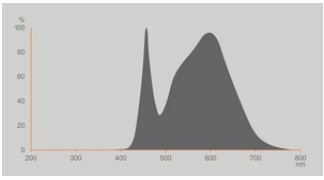
### Electrical data

| | |
|---|---|
| Nominal wattage | 8 W |
| Construction wattage | 8.00 W |
| Nominal voltage | 220…240 V |
| Operating mode | AC Mains |
| Claimed equiv. conventional lamp power | 60 W |
| Nominal current | 58 mA |
| Type of current | AC |
| Inrush current | 7.04 A |
| Operating frequency | 50…60 Hz |
| Mains frequency | 50…60 Hz |
| Max. lamp no. on circuit break. 10 A (B) | 30 |
| Max. lamp no. on circuit break. 16 A (B) | 36 |
| Total harmonic distortion | 104.40 % |
| Power factor λ | > 0.50 |

### Photometrical data

| | |
|---|---|
| Luminous flux | 806 lm |
| Nominal useful luminous flux 90° | 806 lm |
| Luminous efficacy | 100 lm/W |
| Lumen main.fact.at end of nom.life time | 0.93 |
| Light color (designation) | Cool White |
| Color temperature | 4000 K |
| Color rendering index Ra | ≥80 |
| Light color | 840 |
| Standard deviation of color matching | ≤6 sdcm |
| Rated LLMF at 6,000 h | 0.80 |
| Flickering metric (Pst LM) | 1.0 |
| Stroboscope effect metric (SVM) | 0.4 |


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EPREL Data Spectral Diagram LEDr _4000K

## Light technical data

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

## Dimensions & Weight

| | |
|---|---|
| Overall length | 116.00 mm |
| Diameter | 36.00 mm |
| Maximum diameter | 38 mm |
| Product weight | 29.00 g |

## Temperatures & operating conditions

| | |
|---|---|
| Ambient temperature range | -40…+40 °C |
| Maximum temperature at tc test point | 90 °C |

## Lifespan

| | |
|---|---|
| Lifespan L70/B50 at 25 °C | 15000 h |
| Number of switching cycles | 100000 |
| Lumen maintenance at end of service lifetime | 0.93 |
| Rated lamp survival factor at 6,000 h | ≥ 0.90 |

## Additional product data

| | |
|---|---|
| Base (standard designation) | E27 |
| Mercury content | 0.0 mg |
| Mercury-free | Yes |
| Design / version | Frosted |


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

## Capabilities

| | |
|---|---|
| Dimmable | No |

## Certificates & Standards

| | |
|---|---|
| Energy efficiency class | F [1)] |
| Energy consumption | 8.00 kWh/1000h |
| Type of protection | IP20 |
| Standards | CE / UKCA / EAC |
| Photobiological safety group acc. to EN62778 | RG0 |

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

## Country-specific categorizations

| | |
|---|---|
| ILCOS | DRSGT/F-7/827-230-E27-41 |
| Order reference | LEDSSTICK60 8W/ |

## LOGISTICAL DATA

| | |
|---|---|
| Temperature range at storage | -40…+80 °C |

## 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) | No |
| Color-tuneable light source | No |
| Envelope | No |
| High luminance light source | No |
| Anti-glare shield | No |
| Correlated colour temperature type | SINGLE_VALUE |
| Standby power | 0.00 W |
| Claim of equivalent power | Yes |
| Length | 116.00 mm |


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| | |
|---|---|
| Height | 36.00 mm |
| Width | 36.00 mm |
| Chromaticity coordinate x | 0.382 |
| Chromaticity coordinate y | 0.380 |
| R9 Colour rendering index | >0 |
| Beam angle correspondence | SPHERE_360 |
| Survival factor | 0.90 |
| Displacement factor | 0.7 |
| LED light source replaces a fluorescent light source | No |
| EPREL ID | 1402977,523292,1838212 |
| Model number | AC31134,AC17501,AC55962 |

## DOWNLOAD DATA

| | Documents and certificates | Document name |
|---|---|---|
| PDF | Declarations Of Conformity CE | LED Stick lamp |
| PDF | Declarations Of Conformity CE | LED CLASSIC / LED STICK |
| PDF | Declarations Of Conformity UKCA | LED CLASSIC / LED STICK |

| | Photometric and lighting design files | Document name |
|---|---|---|
| IES | IES file (IES) | LEDSSTICK60 8W 840 FR OSRAM |
| | Spectral power distribution | EPREL Data Spectral Diagram LEDr _4000K |

## LOGISTICAL DATA

| Product code | Packaging unit (Pieces/Unit) | Dimensions (length x width x height) | Gross weight | Volume |
|---|---|---|---|---|
| 4058075059177 | Folding box<br>1 | 41 mm x 49 mm x 155 mm | 44.00 g | 0.31 $dm^3$ |
| 4058075585799 | Shipping box<br>6 | 144 mm x 111 mm x 131 mm | 315.00 g | 2.09 $dm^3$ |
| 4058075059184 | Shipping box<br>10 | 226 mm x 111 mm x 131 mm | 483.00 g | 3.29 $dm^3$ |

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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