# OSRAM

# PRODUCT DATASHEET
# ST STICK 60 FR 8 W/4000 K E14

## 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

– Low energy consumption
– Attractive lamp appearance

### Product features

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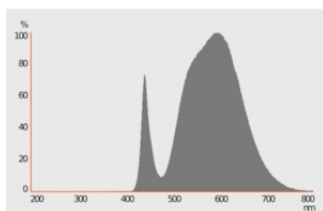– Mercury-free lamps

## TECHNICAL DATA

### Electrical data

| | |
|---|---|
| Nominal wattage | 8 W |
| Construction wattage | 8.00 W |
| Nominal voltage | 220...240 V |
| Claimed equiv. conventional lamp power | 60 W |
| Nominal current | 58 mA |
| Type of current | AC |
| Inrush current | 10.2 A |
| Operating frequency | 50...60 Hz |
| Mains frequency | 50...60 Hz |
| Max. lamp no. on circuit break. 10 A (B) | 172 |
| Max. lamp no. on circuit break. 16 A (B) | 310 |
| Total harmonic distortion | 105 % |
| 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 | 0.70 |
| 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) | 0.9 |

## Light technical data

| | |
|---|---|
| Beam angle | 200 ° |
| Warm-up time (60 %) | 0.50 s |
| Starting time | < 0.5 s |
| Rated beam angle (half peak value) | 200.00 ° |

## Dimensions & Weight

| | |
|---|---|
| Overall length | 118.00 mm |
| Diameter | 36.00 mm |
| Maximum diameter | 38 mm |
| Product weight | 28.00 g |

## Temperatures & operating conditions

| | |
|---|---|
| Ambient temperature range | -20...+40 °C |
| Maximum temperature at tc test point | 82 °C |

## Lifespan

| | |
|---|---|
| Lifespan | 15000 h |
| Number of switching cycles | 100000 |
| Lumen maintenance at end of serv | 0.70 |
| Rated lamp survival factor at 6,000 | ≥ 0.90 |

## Additional product data

| | |
|---|---|
| Base (standard designation) | E14 |
| Mercury content | 0.0 mg |
| Mercury-free | Yes |
| Design / version | Frosted |

| | |
|---|---|
| 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 | ROHS 2.0 / REACH / CE |
| Photobiological safety group acc. to EN62778 | RG1 |

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

## Country-specific categorizations

| | |
|---|---|
| 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) | E14 |
| 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 |
| Networked standby power for CLS | 0 W |
| Claim of equivalent power | Yes |
| Length | 118.00 mm |

| | |
|---|---|
| Height | 36.00 mm |
| Width | 36.00 mm |
| Chromaticity coordinate x | 0.382 |
| Chromaticity coordinate y | 0.380 |
| R9 Colour rendering index | 0.00 |
| Beam angle correspondence | SPHERE_360 |
| Survival factor | 0.90 |
| Displacement factor | 0.50 |
| LED light source replaces a fluorescent light source | No |
| EPREL ID | 1402981,523291 |
| Model number | AC31133,AC17505 |

## DOWNLOAD DATA

| | DOWNLOAD DATA |
|---|---|
| PDF | PRODUCT DATASHEET |
| PDF | Declarations Of Conformity CE |
| | IES file (IES) |
| | LDT file (Eulumdat) |

## LOGISTICAL DATA

| Product code | Packaging unit (Pieces/Unit) | Dimensions (length x width x height) | Gross weight | Volume |
|---|---|---|---|---|
| 4058075428423 | Folding box 1 | 41 mm x 49 mm x 155 mm | 43.00 g | 0.31 dm³ |
| 4058075585973 | Shipping box 6 | 144 mm x 111 mm x 131 mm | 327.00 g | 2.09 dm³ |

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.