

PRODUCT DATASHEET

LED Star Classic Edison 60 Filament 5.9W 840 Clear E27

LED Retrofit CLASSIC ST | LED lamps, classic Edison bulb shape



Areas of application

- Perfect for decorative installations
- Domestic applications
- General illumination
- Outdoor use in suitable outdoor luminaires only

Product benefits

- Lower energy consumption than incandescent or halogen lamps
- Instant 100 % light, no warm-up time
- Can be easily fitted instead of ordinary light bulbs
- Lamps with innovative LED "filament" technology

Product features

- LED lamps for line voltage
- Not dimmable
- Lifetime up to 15,000 h
- Beam angle: up to 360°
- Lamp made of glass
- Good quality of light; color rendering index $R_a \geq 80$; constant chromaticity



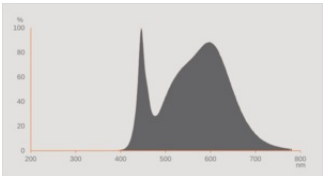
TECHNICAL DATA

Electrical data

| | |
|--|-------------|
| Nominal wattage | 5.9 W |
| Construction wattage | 5.90 W |
| Nominal voltage | 220...240 V |
| Operating mode | AC Mains |
| Claimed equiv. conventional lamp power | 60 W |
| Nominal current | 38 mA |
| Type of current | AC |
| Inrush current | 1.18 A |
| Operating frequency | 50/60 Hz |
| Mains frequency | 50/60 Hz |
| Max. lamp number on MCB B10 A | 184 |
| Max. lamp number on MCB B16 A | 219 |
| Total harmonic distortion | 111 % |
| Power factor λ | > 0.50 |

Photometrical data

| | |
|---|---------------------|
| Luminous flux | 806 lm |
| Luminous efficacy | 136 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 sdc _m |
| Flickering metric (Pst LM) | ≤1.0 |
| Stroboscope effect metric (SVM) | ≤0.4 |



LISO spectral power distribution
4000K CRI80 v1

Light technical data

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

Dimensions & Weight



| | |
|------------------|-----------|
| Overall length | 143.00 mm |
| Diameter | 64.00 mm |
| Maximum diameter | 64 mm |
| Product weight | 46.00 g |

Temperatures & operating conditions

| | |
|--------------------------------------|--------------|
| Ambient temperature range | -20...+40 °C |
| Maximum temperature at tc test point | 70 °C |

Lifespan

| | |
|--|---------|
| Lifespan L70/B50 at 25 °C | 15000 h |
| Number of switching cycles | 100000 |
| Lumen maintenance at end of service lifetime | 0.93 |

Additional product data

| | |
|-----------------------------|--|
| Base (standard designation) | E27 |
| Mercury content | 0.0 mg |
| Mercury-free | Yes |
| Design / version | Clear |
| 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 | D ¹⁾ |
| Energy consumption | 6.00 kWh/1000h |
| Type of protection | IP20 |
| Standards | CE / EAC / UKCA |
| 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 | LEDISON60 5,9W/ |
|-----------------|-----------------|

LOGISTICAL DATA

| | |
|------------------------------|--------------|
| Temperature range at storage | -20...+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 W |
| Claim of equivalent power | Yes |
| Length | 143.00 mm |
| Height | 64.00 mm |
| Width | 64.00 mm |
| Chromaticity coordinate x | 0.3818 |
| Chromaticity coordinate y | 0.3797 |
| 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 | 2182618 |
| Model number | AC70140 |

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 |
|--|---------------------------------|---------------|
|  | Declarations of conformity | LED lamps |
|  | Declarations of conformity UKCA | LED lamps |

| Photometric and lighting design files | | Document name |
|---|-----------------------------|---|
|  | Spectral power distribution | LISO spectral power distribution 4000K CRI80 v1 |

LOGISTICAL DATA

| Product code | Packaging unit (Pieces/Unit) | Dimensions (length x width x height) | Gross weight | Volume |
|---------------|------------------------------|--------------------------------------|--------------|----------------------|
| 4099854469190 | Folding box 1 | 65 mm x 65 mm x 179 mm | 65.00 g | 0.76 dm ³ |
| 4099854469206 | Shipping box 6 | 216 mm x 143 mm x 153 mm | 495.00 g | 4.73 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.