

PRODUCT DATASHEET LED Star Classic Edison 25 Filament 2.5W 827 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 $R_{a:} \ge 80$; constant chromaticity

TECHNICAL DATA

Electrical data

Nominal wattage	2.5 W
Construction wattage	2.50 W
Nominal voltage	220240 V
Operating mode	AC Mains
Claimed equiv. conventional lamp power	25 W
Nominal current	19 mA
Type of current	AC
Inrush current	1.8 A
Operating frequency	50/60 Hz
Mains frequency	50/60 Hz
Max. lamp number on MCB B10 A	250
Max. lamp number on MCB B16 A	400
Power factor λ	> 0.40

Photometrical data

Luminous flux	250 lm
Nominal useful luminous flux 90°	250 lm
Luminous efficacy	100 lm/W
Lumen main.fact.at end of nom.life time	0.70
Light color (designation)	Warm White
Color temperature	2700 K
Color rendering index Ra	≥80
Light color	827
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



EPREL data spectral diagram PROF LEDr 2700K

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	50 °C

Lifespan

Lifespan L70/B50 at 25 °C	15000 h
Number of switching cycles	100000
Lumen maintenance at end of service lifetime	0.70
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	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	F 1)
Energy consumption	3.00 kWh/1000h
Type of protection	IP20
Standards	CE / EAC
Photobiological safety group acc. to EN62778	RG1
	LEDISON25 2,5W/
Denergy efficiency class (EEC) on a scale of A (highest efficiency) to G (local country-specific categorizations Order reference OGISTICAL DATA	
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Country-specific categorizations Order reference OGISTICAL DATA Temperature range at storage	LEDISON25 2,5W/
Country-specific categorizations Order reference COGISTICAL DATA Temperature range at storage Energy labelling regulation data acc EU 2019/2015	LEDISON25 2,5W/ -20+80 °C
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Country-specific categorizations Order reference COGISTICAL DATA Temperature range at storage Energy labelling regulation data acc EU 2019/2015 Lighting technology used Non-directional or directional Mains or non-mains Light source cap-type (or other electric interface) Connected light source (CLS)	LEDISON25 2,5W/ -20+80 °C LED NDLS MLS E27 No
Country-specific categorizations Order reference OGISTICAL DATA Temperature range at storage Energy labelling regulation data acc EU 2019/2015 Lighting technology used Non-directional or directional Mains or non-mains Light source cap-type (or other electric interface) Connected light source (CLS) Color-tuneable light source	LEDISON25 2,5W/ -20+80 °C LED NDLS MLS E27 No No
Country-specific categorizations Order reference COGISTICAL DATA Temperature range at storage Energy labelling regulation data acc EU 2019/2015 Lighting technology used Non-directional or directional Mains or non-mains Light source cap-type (or other electric interface) Connected light source (CLS) Color-tuneable light source Envelope	LEDISON25 2,5W/ -20+80 °C LED NDLS MLS E27 No No No
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Country-specific categorizations Order reference COGISTICAL DATA Temperature range at storage Energy labelling regulation data acc EU 2019/2015 Lighting technology used Non-directional or directional Mains or non-mains Light source cap-type (or other electric interface) Connected light source (CLS) Color-tuneable light source Envelope High luminance light source Anti-glare shield	LEDISON25 2,5W/ -20+80 °C LED NDLS MLS E27 No No No No No No

Yes

143.00 mm

Claim of equivalent power

Length

Height	64.00 mm
Width	64.00 mm
Chromaticity coordinate x	0.463
Chromaticity coordinate y	0.420
R9 Colour rendering index	1
Beam angle correspondence	SPHERE_360
Survival factor	0.90
Displacement factor	0.40
LED light source replaces a fluorescent light source	No
EPREL ID	1403389,523107
Model number	AC32485,AC24315

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	
PDF	Declarations of conformity	LED lamps CLA,B,G,P	

Photometric and lighting design files	Document name
Spectral power distribution	EPREL data spectral diagram PROF LEDr 2700K

LOGISTICAL DATA

Product code	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Gross weight	Volume
4058075436763	Folding box 1	65 mm x 65 mm x 179 mm	65.00 g	0.76 dm ³
4058075606661	Shipping box	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.