

# PRODUCT DATASHEET LED Classic Edison 55 Filament P 6.5W 827 Frosted E27

LED CLASSIC ST P | 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

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

### **Product features**

- Professional 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





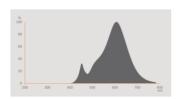
# TECHNICAL DATA

### Electrical data

Nominal wattage	6.5 W
Construction wattage	6.50 W
Nominal voltage	220240 V
Operating mode	AC Mains
Claimed equiv. conventional lamp power	55 W
Nominal current	38 mA
Type of current	AC
Inrush current	0.1 A
Operating frequency	50/60 Hz
Mains frequency	50/60 Hz
Max. lamp number on MCB B10 A	789
Max. lamp number on MCB B16 A	1263
Power factor $\lambda$	> 0.50

### Photometrical data

Luminous flux	730 lm
Luminous efficacy	112.3 lm/W
Lumen main.fact.at end of nom.life time	0.93
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	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
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
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
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### Certificates & Standards

Ī	Energy efficiency class	E 1)

Energy consumption	7.00 kWh/1000h
Type of protection	IP20
Standards	CE / UKCA
Photobiological safety group acc. to EN62778	RG0

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

Country-specific categorizations		
Order reference	LED EDISON60 6.	
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	
Networked standby power for CLS	not applicable	
Claim of equivalent power	Yes	
Length	143.00 mm	
Height	64.00 mm	
Width	64.00 mm	
Chromaticity coordinate x	0.463	
Chromaticity coordinate y	0.42	
R9 Colour rendering index	1	
Beam angle correspondence	SPHERE_360	

0.90

≥0.5

No

LED light source replaces a fluorescent light source

Survival factor

Displacement factor

EPREL ID	1361328
Model number	AC45213

### 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 CLASSIC	

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
4099854062803	Folding box	65 mm x 65 mm x 147 mm	64.00 g	0.62 dm <sup>3</sup>
4099854062810	Shipping box 10	337 mm x 141 mm x 161 mm	749.00 g	7.65 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.

### References / Links

- For dimming conformity see www.ledvance.com/dim
- For Guarantee see www.ledvance.com/guarantee

### **DISCLAIMER**

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