

# PRODUCT DATASHEET ST CLAS A 25 FR 2.5 W/2700 K E27

LED Retrofit CLASSIC A | LED lamps, classic 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
- Design, dimensions, luminous flux comparable to an incandescent or halogen lamp
- Lower energy consumption than incandescent or halogen lamps
- No UV and near-IR radiation in the light beam
- Instant 100 % light, no warm-up time

#### **Product features**

- Professional LED lamps for line voltage
- Not dimmable
- Lifetime up to 15,000 h
- Beam angle: up to  $300^{\circ}$
- 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
Claimed equiv. conventional lamp power	25 W
Nominal current	19 mA
Type of current	AC
Inrush current	1.2 A
Operating frequency	5060 Hz
Mains frequency	5060 Hz
Max. lamp number on MCB B10 A	263
Max. lamp number on MCB B16 A	421
Power factor $\lambda$	> 0.50

#### 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



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	105.00 mm
Diameter	60.00 mm
Maximum diameter	60 mm
Product weight	31.00 g

# Temperatures & operating conditions

Ambient temperature range	-20+40 °C
Maximum temperature at tc test point	50 °C

## Lifespan

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	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

6: 11	N
Dimmable	No

#### Certificates & Standards

Energy efficiency class	F 1)
Energy consumption	3.00 kWh/1000h
Type of protection	IP20
Standards	CE
Photobiological safety group acc. to EN62778	RG0

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

## Country-specific categorizations

Order reference	LEDSCLA252,5W/8		
Energy labelling regulation data acc EU 2019/2015			
Light source cap-type (or other electric interface)	E27		
Correlated colour temperature type	SINGLE_VALUE		
Length	105.00 mm		
Height	60.00 mm		
Width	60.00 mm		
EPREL ID	1402968,523059		

## 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		
<u></u>	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
4058075107489	Blister 1	61 mm x 140 mm x 120 mm	45.00 g	1.02 dm <sup>3</sup>

Product code	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Gross weight	Volume
4058075446991	Folding box	60 mm x 60 mm x 145 mm	46.00 g	0.52 dm <sup>3</sup>
4058075447004	Shipping box 10	322 mm x 134 mm x 120 mm	562.00 g	5.18 dm <sup>3</sup>
4058075603851	Shipping box	202 mm x 134 mm x 120 mm	365.00 g	3.25 dm <sup>3</sup>
4058075107496	Shipping box	381 mm x 153 mm x 132 mm	401.00 g	7.69 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.

#### **DISCLAIMER**

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