

PRODUCT DATASHEET

ST CLAS P60 5.5 W/2700 K FIL CL E27

LED Retrofit CLASSIC P | LED lamps, classic mini-ball shape



Areas of application

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

Product benefits

- Very low energy consumption
- Lamps with innovative LED "filament" technology
- No UV and near-IR radiation in the light beam
- Instant 100 % light, no warm-up time
- Can be easily fitted instead of ordinary light bulbs
- Lower thermal output (compared with the standard reference product)
- Design, dimensions, luminous flux comparable to an incandescent or halogen lamp

Product features

- Professional LED lamps for line voltage
- Not dimmable
- Beam angle: up to 300°
- Lifetime: up to 15,000 h
- Lamp made of glass
- Good quality of light; color rendering index $R_a \geq 80$; constant chromaticity



TECHNICAL DATA

Electrical data

Nominal wattage	5.5 W
Construction wattage	5.50 W
Nominal voltage	220...240 V
Claimed equiv. conventional lamp power	60 W
Nominal current	33 mA
Type of current	AC
Inrush current	0.1 A
Operating frequency	50/60 Hz
Mains frequency	50/60 Hz
Max. lamp no. on circuit break. 10 A (B)	840
Max. lamp no. on circuit break. 16 A (B)	1344
Total harmonic distortion	92 %
Power factor λ	> 0.50

Photometrical data

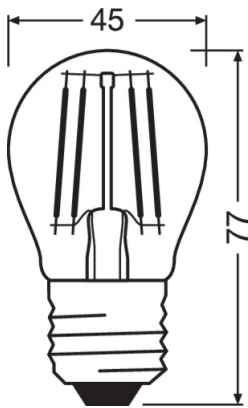
Luminous flux	806 lm
Luminous efficacy	146 lm/W
Lumen main.fact.at end of nom.life time	0.93
Light color (designation)	Warm White
Color temperature	2700 K
Color rendering index Ra	80
Light color	827
Standard deviation of color matching	≤ 6 sdcm
Rated LLMF at 6,000 h	0.80
Flickering metric (Pst LM)	≤ 1.0
Stroboscope effect metric (SVM)	≤ 0.4



Light technical data

Beam angle	300 °
Warm-up time (60 %)	< 0.50 s
Starting time	< 0.5 s
Rated beam angle (half peak value)	300.00 °

Dimensions & Weight



Overall length	77.00 mm
Diameter	45.00 mm
Maximum diameter	45 mm
Product weight	20.00 g

Temperatures & operating conditions

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

Lifespan

Lifespan	15000 h
Number of switching cycles	100000
Lumen maintenance at end of serv	0.93
Rated lamp survival factor at 6,000	≥ 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
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Certificates & Standards

Energy efficiency class	D ¹⁾
Energy consumption	6.00 kWh/1000h
Type of protection	IP20
Standards	CE / ERP / RoHS / REACH / UKCA
Photobiological safety group acc. to EN62778	RG0

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

Country-specific categorizations

Order reference	LEDSCLP60 5,5W/
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LOGISTICAL DATA

Temperature range at storage	-20...+80 °C
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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	not applicable
Networked standby power for CLS	not applicable

Claim of equivalent power	Yes
Length	77.00 mm
Height	45.00 mm
Width	45.00 mm
Chromaticity coordinate x	0.463
Chromaticity coordinate y	0.42
R9 Colour rendering index	>0
Beam angle correspondence	SPHERE_360
Survival factor	0.90
Displacement factor	≥0.5
LED light source replaces a fluorescent light source	No
EPREL ID	1403398,523144,1361331
Model number	AC32357,AC45197,AC24324

DOWNLOAD DATA

Documents and certificates	
	Declarations Of Conformity CE
Photometric and lighting design files	
	Spectral power distribution

LOGISTICAL DATA

Product code	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Gross weight	Volume
4058075434882	Folding box 1	46 mm x 49 mm x 130 mm	32.00 g	0.29 dm ³
4058075605626	Shipping box 6	159 mm x 111 mm x 106 mm	240.00 g	1.87 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.