

# PRODUCT DATASHEET LED Star Classic P 25 Filament 2.5W 840 Clear 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

- Lower energy consumption than incandescent or halogen lamps
- 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

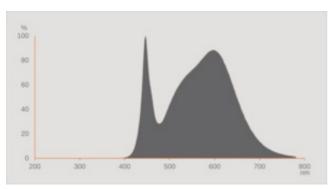
# TECHNICAL DATA

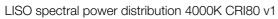
# Electrical data

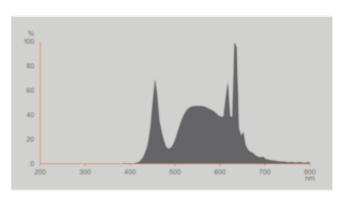
Nominal wattage	2.5 W
Construction wattage	2.50 W
Nominal voltage	220240 V
Operating mode	AC Mains
Claimed equiv. conventional lamp power	25 W
Nominal current	19 mA
Type of current	AC
Inrush current	1.8 A
Operating frequency	50/60 Hz
Mains frequency	50/60 Hz
Max. lamp number on MCB B10 A	250
Max. lamp number on MCB B16 A	400
Power factor $\lambda$	> 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)	Cool White
Color temperature	4000 K
Color rendering index Ra	≥80
Light color	840
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





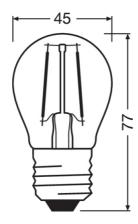


### A60230V75W9404MDV1E27AC3398301

# Light technical data

Bea	m angle	300 °
War	rm-up time (60 %)	< 0.50 s
Star	ting time	< 0.5 s

# Dimensions & Weight



Overall length 77.00 mm
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ameter 45,0 mm			
Maximum diameter	45 mm		
Product weight	20.00 g		
emperatures & operating conditions			
Ambient temperature range -20+40 °C			
Maximum temperature at tc test point	60 °C		
ifespan			
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 comple production process for light-emitting diodes, the typical values show 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	safety group acc. to EN62778 RG0		

# Country-specific categorizations

Order reference	LEDSCLP25 2.5W/
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# 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	0 W		
Claim of equivalent power	Yes		
Length	77.00 mm		
Height	45,0 mm		
Width	45,0 mm		
Chromaticity coordinate x	0.380		
Chromaticity coordinate y	0.380		
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	1402974,523053		
Model number	AC32443,AC17497		

# 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	LISO spectral power distribution 4000K CRI80 v1	
	Spectral power distribution	A60230V75W9404MDV1E27AC3398301	

#### LOGISTICAL DATA

Product code	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Gross weight	Volume
4058075434080	Folding box 1	46 mm x 49 mm x 130 mm	32.00 g	0.29 dm <sup>3</sup>
4058075604742	Shipping box	159 mm x 111 mm x 106 mm	282.00 g	1.87 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.