

PRODUCT DATASHEET

LED Star Classic P 15 Filament 1.5W 827 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

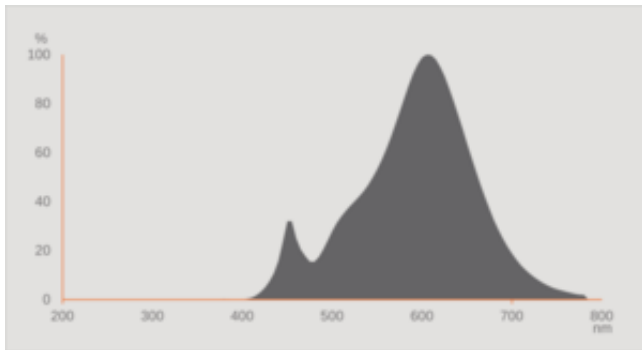
TECHNICAL DATA

Electrical data

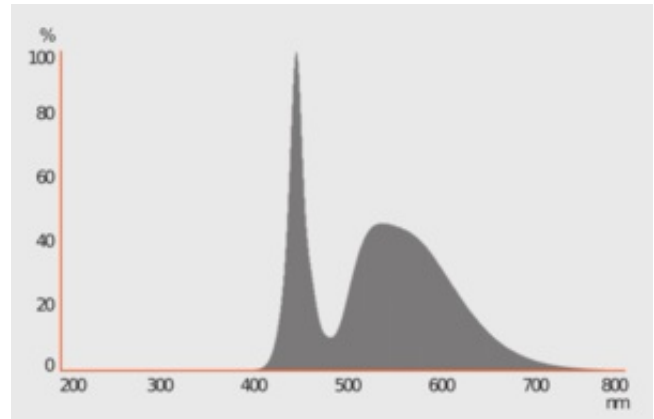
Nominal wattage	1.5 W
Construction wattage	1.50 W
Nominal voltage	220...240 V
Operating mode	AC Mains
Claimed equiv. conventional lamp power	15 W
Nominal current	12 mA
Type of current	AC
Inrush current	1.45 A
Operating frequency	50/60 Hz
Mains frequency	50/60 Hz
Max. lamp number on MCB B10 A	310
Max. lamp number on MCB B16 A	666
Power factor λ	> 0.40

Photometrical data

Luminous flux	136 lm
Nominal useful luminous flux 90°	136 lm
Luminous efficacy	90 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 sdcn
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

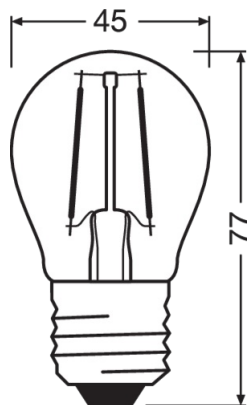


LISO spectral power distribution 6500K CRI80 v2

Light technical data

Beam angle	300 °
Warm-up time (60 %)	< 0.50 s
Starting time	< 0.5 s

Dimensions & Weight



Overall length	77.00 mm
Diameter	45,0 mm
Maximum diameter	45 mm
Product weight	15.00 g

Temperatures & operating conditions

Ambient temperature range	-20...+40 °C
Maximum temperature at tc test point	55 °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
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Certificates & Standards

Energy efficiency class	F 1)
Energy consumption	2.00 kWh/1000h
Type of protection	IP20
Standards	CE / EAC
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

ILCOS	DRBP/C-1,3-827-220-240-E27-45
Order reference	LEDSCLP15 1,5W/

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	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	0.463
Chromaticity coordinate y	0.420
R9 Colour rendering index	0.00
Beam angle correspondence	SPHERE_360
Survival factor	0.90
Displacement factor	0.40
LED light source replaces a fluorescent light source	No
EPREL ID	1402956,523089

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
 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
 Spectral power distribution	LISO spectral power distribution 6500K CRI80 v2

LOGISTICAL DATA

Product code	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Gross weight	Volume
4052899400344	Blister 1	45 mm x 140 mm x 120 mm	31.00 g	0.76 dm ³
4058075434325	Folding box 1	46 mm x 49 mm x 130 mm	27.00 g	0.29 dm ³
4052899400351	Shipping box 6	285 mm x 153 mm x 132 mm	326.00 g	5.76 dm ³
4058075605497	Shipping box 6	159 mm x 111 mm x 106 mm	252.00 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.