PRODUCT DATASHEET
LED Star Classic P 60 Filament 5.9W 840 Frosted 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

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- Lamp made of glass
- Good quality of light; color rendering index R_a: ≥ 80; constant chromaticity

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TECHNICAL DATA

Electrical data

Nominal wattage	5.9 W
Construction wattage	5.90 W
Nominal voltage	220…240 V
Operating mode	AC Mains
Claimed equiv. conventional lamp power	60 W
Nominal current	38 mA
Type of current	AC
Inrush current	1.18 A
Operating frequency	50/60 Hz
Mains frequency	50/60 Hz
Max. lamp number on MCB B10 A	184
Max. lamp number on MCB B16 A	219
Total harmonic distortion	111 %
Power factor λ	> 0.50

Photometrical data

Luminous intensity	Not relevant
Luminous flux	806 lm
Luminous efficacy	136 lm/W
Lumen main.fact.at end of nom.life time	0.93
Light color (designation)	Cool White
Color temperature	4000 K
Color rendering index Ra	80
Light color	840
Standard deviation of color matching	≤6 sdcm
Flickering metric (Pst LM)	1.0
Stroboscope effect metric (SVM)	≤0.4

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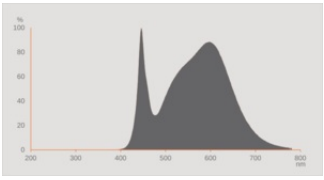

LISO spectral power distribution
4000K CRI80 v1

Light technical data

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

Dimensions & Weight

Overall length	84.00 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 L70/B50 at 25 °C	15000 h
Number of switching cycles	100000
Lumen maintenance at end of service lifetime	0.93

Additional product data

Base (standard designation)	E27
Mercury content	0.0 mg

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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

Certificates & Standards

Energy efficiency class	D [1)]
Energy consumption	6.00 kWh/1000h
Type of protection	IP20
Standards	CE / EAC / 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 5,9W/

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
Claim of equivalent power	Yes

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Length	84.00 mm
Height	45.00 mm
Width	45.00 mm
Chromaticity coordinate x	0.3818
Chromaticity coordinate y	0.3797
R9 Colour rendering index	1
Beam angle correspondence	SPHERE_360
Survival factor	0.90
Displacement factor	≥0.5
LED light source replaces a fluorescent light source	No
EPREL ID	1508763,2182572,2506898
Model number	AC50571,AC70192,AC92660

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
PDF	Declarations of conformity	LED lamps
PDF	Declarations of conformity UKCA	LED lamps

	Photometric and lighting design files	Document name
	Spectral power distribution	LISO spectral power distribution 4000K CRI80 v1

LOGISTICAL DATA

Product code	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Gross weight	Volume
4099854115554	Folding box 1	46 mm x 49 mm x 121 mm	32.00 g	0.27 dm^3
4099854115561	Shipping box 6	159 mm x 111 mm x 95 mm	240.00 g	1.68 dm^3

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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

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