

PRODUCT DATASHEET LED Classic P 60 Filament DIM P 5.9W 827 Frosted E14

LED CLASSIC P DIM P | Dimmable LED lamps, mini-ball shape



Areas of application

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

Product benefits

- Design, dimensions, luminous flux comparable to an incandescent lamp
- Lower energy consumption than incandescent or halogen lamps
- Robust against vibrations
- Lamps with innovative LED "filament" technology
- Instant 100 % light, no warm-up time
- Can be easily fitted instead of ordinary light bulbs

Product features

- Professional LED lamps for line voltage
- Dimmable
- Lifetime up to 15,000 h
- Beam angle: up to 300°
- Lamp made of glass





 $-\,$ Good color rendering CRI \geq 80 and color stability throughout the life of the lamp

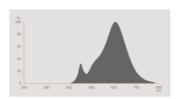
TECHNICAL DATA

Electrical data

Nominal wattage	5.9 W
Construction wattage	5.90 W
Nominal voltage	220240 V
Operating mode	AC Mains
Claimed equiv. conventional lamp power	60 W
Nominal current	41 mA
Type of current	AC
Inrush current	2.54 A
Operating frequency	50/60 Hz
Mains frequency	50/60 Hz
Max. lamp number on MCB B10 A	50
Max. lamp number on MCB B16 A	62
Total harmonic distortion	118.43 %
Power factor λ	0.63

Photometrical data

Luminous flux	806 lm
Luminous efficacy	136 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
Flickering metric (Pst LM)	≤1.0
Stroboscope effect metric (SVM)	≤0.4



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	77.00 mm
Diameter	45.00 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	≤60 °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)	E14
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

¹⁾ Check dimmer compatibility at ledvance.com/compatibility

Certificates & Standards

Energy efficiency class	D 1)
Energy consumption	6.00 kWh/1000h
Type of protection	IP20
Standards	CE / UKCA / EAC
Photobiological safety group acc. to EN62778	RG1

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

Country-specific categorizations

Temperature range at storage

Order reference	LEDCLP60 DIM 5.
LOGISTICAL DATA	

-20...+80 °C

Energy labelling regulation data acc EU 2019/2015

Non-directional or directional Mains or non-mains MLS Light source cap-type (or other electric interface) E14 Connected light source (CLS) No Color-tuneable light source No Envelope No High luminance light source Anti-glare shield Correlated colour temperature type Standby power No NO SUNGLE_VALUE
Light source cap-type (or other electric interface) 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
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
Color-tuneable light source Envelope No High luminance light source No Anti-glare shield No Correlated colour temperature type SINGLE_VALUE
Envelope No High luminance light source No Anti-glare shield No Correlated colour temperature type SINGLE_VALUE
High luminance light source Anti-glare shield No Correlated colour temperature type SINGLE_VALUE
Anti-glare shield No Correlated colour temperature type SINGLE_VALUE
Correlated colour temperature type SINGLE_VALUE
Standby power 0 W
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 0.420
R9 Colour rendering index 9

Beam angle correspondence	SPHERE_360
Survival factor	0.9
Displacement factor	0.979
LED light source replaces a fluorescent light source	No
EPREL ID	1838167
Model number	AC57888

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 Lamp
PDF	Declarations of conformity UKCA	LED lamp

Photometric and lighting design files	Document name
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
4099854253409	Folding box 1	46 mm x 46 mm x 93 mm	25.00 g	0.20 dm ³
4099854253416	Shipping box 10	240 mm x 101 mm x 108 mm	308.00 g	2.62 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

827 Frosted E14

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