PRODUCT DATASHEET

LED Classic P 40 Filament DIM CRI97 S 4.2W 927 Clear E27

LED CLASSIC P DIM CRI97 S | Dimmable LED lamps, classic mini bulb shape, CRI97



SUPERIOR CLASS

Areas of application

- Perfect for decorative installations
- Domestic applications
- General illumination
- Outdoor use in outdoor luminaires only (minimum IP65)

Product benefits

- Lamps with innovative LED "filament" technology
- Design, dimensions, luminous flux comparable to a halogen lamp
- Lower energy consumption than incandescent or halogen lamps
- Instant 100 % light, no warm-up time
- Low flickering

Product features

- High CRI & R9 for a natural lighting experience
- Dimmable
- LED lamps for line voltage
- Beam angle: up to 300°
- Lifetime up to 15,000 h
- Very high number of switching cycles up to 100,000



TECHNICAL DATA

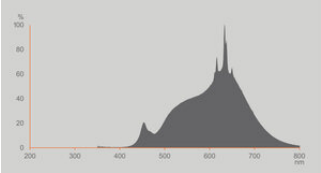
Electrical data

Nominal wattage	4.2 W
Construction wattage	4.20 W
Nominal voltage	220…240 V
Operating mode	AC Mains
Claimed equiv. conventional lamp power	40 W
Nominal current	25 mA
Type of current	AC
Inrush current	2.5 A
Operating frequency	50/60 Hz
Mains frequency	50/60 Hz
Max. lamp number on MCB B10 A	30
Max. lamp number on MCB B16 A	48
Maximum total harmonic distortion	≤ 110 %
Power factor λ	> 0.50

Photometrical data

Luminous flux	470 lm
Luminous efficacy	111 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	97
Light color	927
Standard deviation of color matching	≤6 sdcm
Flickering metric (Pst LM)	≤1
Stroboscope effect metric (SVM)	≤0.4

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Spectral graph classic A 2700K DIM

Light technical data

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

Dimensions & Weight



Overall length	80.00 mm
Diameter	45.00 mm
Maximum diameter	45 mm
Product weight	18.00 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	0.93

Additional product data

Base (standard designation)	E27
Mercury content	0.0 mg

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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	Yes [1)]

1) Check dimmer compatibility at ledvance.com/compatibility

Certificates & Standards

Energy efficiency class	E [1)]
Energy consumption	5.00 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

Order reference	LED CLP40 DIM 4

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

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Claim of equivalent power	Yes
Length	80.00 mm
Height	45.00 mm
Width	45.00 mm
Chromaticity coordinate x	0.4578
Chromaticity coordinate y	0.4101
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	1397883,1854795,2519317
Model number	AC46555,AC57850,AC57850,AC93207

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	LED lamp
PDF	Declarations of conformity UKCA	LED Lamp
PDF	Declarations of conformity UKCA	LED lamp

	Photometric and lighting design files	Document name
IES	IES file (IES)	LED CLP40 DIM 4.2W 927 FILCL E27 S
LDT	LDT file (Eulumdat)	LED CLP40 DIM 4.2W 927 FILCL E27 S
	Light distribution curve type polar	LED CLP40 DIM 4.2W 927 FILCL E27 S LEDV
	Spectral power distribution	Spectral graph classic A 2700K DIM

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LOGISTICAL DATA

Product code	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Gross weight	Volume
4099854077968	Folding box 1	46 mm x 46 mm x 82 mm	27.00 g	0.17 dm^3
4099854077975	Shipping box 10	245 mm x 104 mm x 96 mm	340.00 g	2.45 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.

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