

PRODUCT DATASHEET

LED STAR FLAT 29 DIM 4.5W 827 Frosted E27

LED FLAT LAMP DIM | Ultra-compact design lamp



Areas of application

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

Product benefits

- Ultra-compact design lamp without bulb-shaped diffuser
- The lamp's shape highlights the beauty of the luminaire used
- The special design offers comfortable light distribution
- Lower energy consumption than incandescent or halogen lamps

Product features

- Two rings (black and white) are included for customization, allowing for different luminaire colors
- Lifetime up to 25,000 h

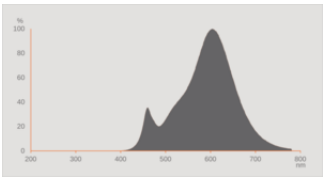


TECHNICAL DATA**Electrical data**

Nominal wattage	4.5 W
Construction wattage	4.50 W
Nominal voltage	220...240 V
Operating mode	AC Mains
Claimed equiv. conventional lamp power	29 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	72
Max. lamp number on MCB B16 A	90
Total harmonic distortion	83.60 %
Power factor λ	0.76

Photometrical data

Luminous intensity	Not relevant
Luminous flux	320 lm
Luminous efficacy	71 lm/W
Lumen main.fact.at end of nom.life time	0.96
Light color (designation)	Warm White
Color temperature	2700 K
Color rendering index Ra	≥80
Light color	827
Standard deviation of color matching	≤6 sdcn
Flickering metric (Pst LM)	1
Stroboscope effect metric (SVM)	0.4



LISO spectral power distribution
2700K CRI80 v1

Light technical data

Beam angle	100 °
Warm-up time (60 %)	< 0.50 s
Starting time	< 0.5 s

Dimensions & Weight



Overall length	46.00 mm
Diameter	43.00 mm
Maximum diameter	43 mm
Product weight	31.00 g

Temperatures & operating conditions

Ambient temperature range	-25...+40 °C
Maximum temperature at tc test point	90 °C

Lifespan

Lifespan L70/B50 at 25 °C	25000 h
Number of switching cycles	100000
Lumen maintenance at end of service lifetime	0.96

Additional product data

Base (standard designation)	E27
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

Dimmable	Yes ¹⁾
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¹⁾ Check dimmer compatibility at [ledvance.com/compatibility](https://www.ledvance.com/compatibility)

Certificates & Standards

Energy efficiency class	G 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	LCLFLAT29DIM 4,
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LOGISTICAL DATA

Temperature range at storage	-25...+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
Claim of equivalent power	Yes
Length	46.00 mm
Height	43.00 mm
Width	43.00 mm
Chromaticity coordinate x	0.458
Chromaticity coordinate y	0.410
R9 Colour rendering index	1
Beam angle correspondence	SPHERE_360
Survival factor	0.9
Displacement factor	0.991
LED light source replaces a fluorescent light source	No
EPREL ID	2042335
Model number	AC65822

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 lamp
	Declarations of conformity UKCA	LED lamp
Photometric and lighting design files		Document name
	Spectral power distribution	LISO spectral power distribution 2700K CRI80 v1

LOGISTICAL DATA

Product code	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Gross weight	Volume
4099854356926	Folding box 1	34 mm x 49 mm x 95 mm	41.00 g	0.16 dm ³

Product code	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Gross weight	Volume
4099854356933	Shipping box 6	168 mm x 111 mm x 71 mm	321.00 g	1.32 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.