PRODUCT DATASHEET
LED STAR FLAT 28 Non-DIM 3.5W 827 Frosted E27

LED FLAT LAMP NON DIM | Ultra-compact design lamp



Areas of application

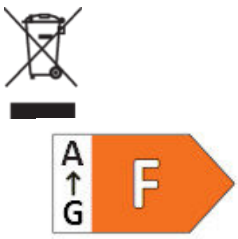
- Perfect for decorative installations
- General illumination
- Outdoor use in outdoor luminaires only (minimum IP65)

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

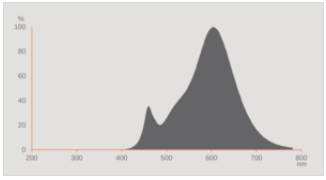
Electrical data

Nominal wattage	3.5 W
Construction wattage	3.50 W
Nominal voltage	220…240 V
Operating mode	AC Mains
Claimed equiv. conventional lamp power	28 W
Nominal current	32 mA
Type of current	AC
Inrush current	2.36 A
Operating frequency	50/60 Hz
Mains frequency	50/60 Hz
Max. lamp number on MCB B10 A	320
Max. lamp number on MCB B16 A	514
Maximum total harmonic distortion	141.90 %
Power factor λ	0.46

Photometrical data

Luminous intensity	Not relevant
Luminous flux	300 lm
Luminous efficacy	85 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 sdcm
Flickering metric (Pst LM)	1
Stroboscope effect metric (SVM)	0.4

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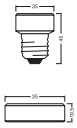


LISO spectral power distribution 2700K CRI80 v1

Light technical data

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

Dimensions & Weight



Overall length	45.00 mm
Diameter	35.00 mm
Maximum diameter	35 mm
Product weight	25.00 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

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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	No

Certificates & Standards

Energy efficiency class	F [1)]
Energy consumption	4.00 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	LEDCLFLAT28 3,5

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

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Standby power	0 W
Claim of equivalent power	Yes
Length	45.00 mm
Height	35.00 mm
Width	35.00 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	0.787
LED light source replaces a fluorescent light source	No
EPREL ID	1891351
Model number	AC59898

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 Flat lamp
PDF	Declarations of conformity UKCA	LED lamp Flat 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
4058075839960	Folding box 1	34 mm x 49 mm x 95 mm	33.00 g	0.16 dm^3
4058075839977	Shipping box 6	121 mm x 109 mm x 104 mm	246.00 g	1.37 dm^3
4058075839984	Shipping box 48	258 mm x 234 mm x 234 mm	2390.00 g	14.13 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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