PRODUCT DATASHEET
DECOR LED FLAT SQUARE 100 BLACK 3.5W 827 Frosted E27 Non-DIM

DECOR FLAT LAMP IN METAL HOUSING | Flat lamp in Metal Housing



Areas of application

- Perfect for decorative installations
- Luxurious living areas

Product benefits

- The integrated lamp delivers a modern and luxurious atmosphere
- Ultra-compact design lamp without bulb-shaped diffuser
- The special design offers comfortable light distribution
- Type of protection: IP20, Ideal for indoor use
- Lower energy consumption than incandescent or halogen lamps

Product features

- The flat lamp is installed in the metal housing for design purposes
- Metal housing has two versions: Globe and Square
- Two different colors are offered for the lamp housing: Gold and Black
- Lifetime up to 25,000 h
- The flat lamp can be detached from the housing
- Can be used directly as luminaire



TECHNICAL DATA

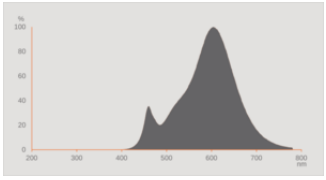
Electrical data

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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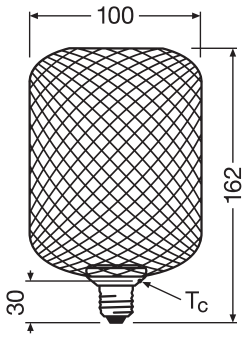


LISO spectral power distribution 2700K CRI80 v1

Light technical data

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

Dimensions & Weight



Overall length	162.00 mm
Diameter	100.00 mm
Maximum diameter	100 mm
Product weight	77.00 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

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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	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	LFLATSQ100BK 3,

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

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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	162.00 mm
Height	100.00 mm
Width	100.00 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	1891350
Model number	AC59905

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
4058075840140	Folding box 1	111 mm x 111 mm x 210 mm	149.00 g	2.59 dm^3

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Product code	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Gross weight	Volume
4058075840157	Shipping box 4	238 mm x 230 mm x 225 mm	783.00 g	12.32 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.

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