PRODUCT DATASHEET
CLAS A 150 DIM P 18W 827 FIL FR E27

LED CLASSIC A DIM P | Dimmable LED lamps, classic bulb 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 or halogen lamp
– Very low energy consumption
– Robust against vibrations
– No UV and near-IR radiation in the light beam
– Instant 100 % light, no warm-up time
– Can be easily fitted instead of ordinary light bulbs

Product features

– Professional LED lamps for line voltage
– Beam angle: up to 300°
– Dimmable
– Base: E27, B22d
– Lifetime: up to 15,000 h
– Lamp made of glass
– Good quality of light; color rendering index R_a: ≥ 80; constant chromaticity

TECHNICAL DATA

Electrical data

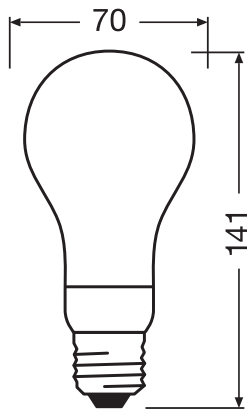|	
Nominal wattage	18 W
Construction wattage	18.00 W
Nominal voltage	220...240 V
Claimed equiv. conventional lamp power	150 W
Nominal current	85 mA
Type of current	AC
Inrush current	0 mA
Operating frequency	50/60 Hz
Mains frequency	50/60 Hz
Max. lamp no. on circuit break. 10 A (B)	26
Max. lamp no. on circuit break. 16 A (B)	44
Power factor λ	> 0.90

Photometrical data

Luminous flux	2452 lm
Nominal useful luminous flux 90°	2452 lm
Luminous efficacy	136 lm/W
Lumen main.fact.at end of nom.life time	0.70
Light color (designation)	Warm White
Color temperature	2700 K
Color rendering index Ra	80
Light color	827
Standard deviation of color matching	≤6 sdcm
Rated LLMF at 6,000 h	0.80
Flickering metric (Pst LM)	≤1
Stroboscope effect metric (SVM)	≤0.4

Light technical data

Beam angle	330 °
Warm-up time (60 %)	‹ 0.50 s
Starting time	< 0.5 s
Rated beam angle (half peak value)	330.00 °

Dimensions & Weight

Overall length	128.00 mm
Diameter	70.00 mm
Maximum diameter	70 mm
Product weight	71.00 g

Temperatures & operating conditions

Ambient temperature range	-20...+40 °C
Maximum temperature at tc test point	⊠75 °C

Lifespan

Lifespan	15000 h
Number of switching cycles	100000
Lumen maintenance at end of serv	0.70
Rated lamp survival factor at 6,000	≥ 0.90

Additional product data

Base (standard designation)	E27
Mercury content	0.0 mg

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

Certificates & Standards

Energy efficiency class	D [1]
Energy consumption	18.00 kWh/1000h
Type of protection	IP20
Standards	CE / 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 CLA150DIM 1

LOGISTICAL DATA

Temperature range at storage	-20...+40 °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
Claim of equivalent power	Yes

Length	128.00 mm
Height	70.00 mm
Width	70.00 mm
Chromaticity coordinate x	0,436
Chromaticity coordinate y	0,420
R9 Colour rendering index	0.00
Beam angle correspondence	SPHERE_360
Survival factor	0.90
Displacement factor	≥0.9
LED light source replaces a fluorescent light source	No
EPREL ID	523227
Model number	AC32416

DOWNLOAD DATA

DOWNLOAD DATA
[PDF] Declarations Of Conformity CE

LOGISTICAL DATA

Product code	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Gross weight	Volume
4099854067457	Folding box 1	70 mm x 70 mm x 143 mm	95.00 g	0.70 dm³
4099854067464	Shipping box 10	364 mm x 150 mm x 157 mm	1090.00 g	8.57 dm³

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.