

PRODUCT DATASHEET

LED MINI EDISON ST45 DIM 33 4.8 W/2200 K E27

LED Retrofit CLASSIC ST45 Dimmable | Dimmable LED lamps, classic mini Edison bulb shape



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
- Very low energy consumption
- Instant 100 % light, no warm-up time
- Can be easily fitted instead of ordinary light bulbs

Product features

- Professional LED lamps for line voltage
- Dimmable
- Lifetime: up to 15,000 h
- Beam angle: up to 360°
- Lamp made of glass
- Good quality of light; color rendering index $R_a \geq 80$; constant chromaticity



TECHNICAL DATA

Electrical data

Nominal wattage	4.8 W
Construction wattage	4.80 W
Nominal voltage	220...240 V
Claimed equiv. conventional lamp power	33 W
Nominal current	26 mA
Type of current	AC
Inrush current	0.08 A
Operating frequency	50/60 Hz
Mains frequency	50/60 Hz
Max. lamp no. on circuit break. 10 A (B)	307
Max. lamp no. on circuit break. 16 A (B)	492
Power factor λ	> 0.50

Photometrical data

Luminous flux	360 lm
Nominal useful luminous flux 90°	300 lm
Luminous efficacy	75 lm/W
Lumen main.fact.at end of nom.life time	0.93
Light color (designation)	Comfort warm white
Color temperature	2200 K
Color rendering index Ra	80
Light color	822
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	320 °
Warm-up time (60 %)	< 0.50 s
Starting time	< 0.5 s
Rated beam angle (half peak value)	320.00 °

Dimensions & Weight



Overall length	88.00 mm
Diameter	45.00 mm
Maximum diameter	45 mm
Product weight	20.00 g

Temperatures & operating conditions

Ambient temperature range	-20...+40 °C
Maximum temperature at tc test point	55,6 °C

Lifespan

Lifespan	15000 h
Number of switching cycles	100000
Lumen maintenance at end of serv	0.93
Rated lamp survival factor at 6,000 h	≥ 0.90

Additional product data

Base (standard designation)	E27
Mercury content	0.0 mg
Design / version	Clear

Capabilities

Dimmable	Yes
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Certificates & Standards

Energy efficiency class	G
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Energy consumption	5.00 kWh/1000h
Type of protection	IP20
Standards	CE / ROHS / REACH / ERP
Photobiological safety group acc. to EN62778	RG0

Country-specific categorizations

Order reference	LSEDISOND 4,8W/
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LOGISTICAL DATA

Temperature range at storage	-20...+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
Networked standby power for CLS	not applicable
Claim of equivalent power	Yes
Length	88.00 mm
Height	45.00 mm
Width	45.00 mm
Chromaticity coordinate x	0,502
Chromaticity coordinate y	0,415
Beam angle correspondence	SPHERE_360
Survival factor	0,9
Displacement factor	≥0,50
LED light source replaces a fluorescent light source	No
EPREL ID	1213091
Model number	AC42393

DOWNLOAD DATA

Documents and certificates



Declarations Of Conformity CE

Photometric and lighting design files



Spectral power distribution

LOGISTICAL DATA

Product code	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Gross weight	Volume
4058075779969	Folding box 1	61 mm x 61 mm x 144 mm	44.00 g	0.54 dm ³
4058075779976	Shipping box 6	195 mm x 132 mm x 158 mm	340.00 g	4.07 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.