

PRODUCT DATASHEET

ST CLAS A40 4 W/2700 K FIL CL B22d

LED Retrofit CLASSIC A | 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

- Lamps with innovative LED "filament" technology
- Design, dimensions, luminous flux comparable to an incandescent or halogen lamp
- Very low energy consumption
- No UV and near-IR radiation in the light beam
- Instant 100 % light, no warm-up time

Product features

- Professional LED lamps for line voltage
- Not dimmable
- Lifetime: up to 15,000 h
- Beam angle: up to 300°
- Lamp made of glass



- Good quality of light; color rendering index $R_a \geq 80$; constant chromaticity

TECHNICAL DATA

Electrical data

Nominal wattage	4 W
Construction wattage	4.00 W
Nominal voltage	220...240 V
Claimed equiv. conventional lamp power	40 W
Nominal current	32 mA
Type of current	AC
Inrush current	1.5 A
Operating frequency	50/60 Hz
Mains frequency	50/60 Hz
Max. lamp no. on circuit break. 10 A (B)	400
Max. lamp no. on circuit break. 16 A (B)	480
Power factor λ	> 0.40

Photometrical data

Luminous flux	470 lm
Nominal useful luminous flux 90°	470 lm
Luminous efficacy	117 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)	1.0
Stroboscope effect metric (SVM)	0.9



Light technical data

Beam angle	300 °
Warm-up time (60 %)	< 0.50 s
Starting time	< 0.5 s

Dimensions & Weight

Overall length	104.00 mm
Diameter	60.00 mm
Maximum diameter	60 mm
Product weight	31.00 g

Temperatures & operating conditions

Ambient temperature range	-20...+40 °C
Maximum temperature at tc test point	65 °C

Lifespan

Lifespan	15000 h ¹⁾
Number of switching cycles	100000
Lumen maintenance at end of service lifetime	0.70
Rated lamp survival factor at 6,000 h	≥ 0.90

¹⁾ L70/B50

Additional product data

Base (standard designation)	B22d
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	No
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Certificates & Standards

Energy efficiency class	E ¹⁾
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Energy consumption	4.00 kWh/1000h
Type of protection	IP20
Standards	CE / EAC
Photobiological safety group acc. to EN62778	RG0

1) Energy efficiency class (EEC) on a scale of A (highest efficiency) to G (lowest efficiency)

Country-specific categorizations

ILCOS	DRAA/C-4/827-220-240-B22D-60
Order reference	LEDSCLA40 4W/82

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)	B22d
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	0 W
Claim of equivalent power	Yes
Length	104.00 mm
Height	60.00 mm
Width	60.00 mm
Chromaticity coordinate x	0.463
Chromaticity coordinate y	0.420
R9 Colour rendering index	0.00
Beam angle correspondence	SPHERE_360
Survival factor	0.90
Displacement factor	0.40
LED light source replaces a fluorescent light source	No
EPREL ID	1403179,523220
Model number	AC32413,AC24355

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
4058075435421	Folding box 1	60 mm x 60 mm x 145 mm	46.00 g	0.52 dm ³
4058075661233	Bundle 2	60 mm x 120 mm x 145 mm	95.00 g	1.04 dm ³
4058075435438	Shipping box 10	322 mm x 134 mm x 120 mm	585.00 g	5.18 dm ³
4058075604049	Shipping box 6	202 mm x 134 mm x 120 mm	343.00 g	3.25 dm ³
4058075661240	Shipping box 10	322 mm x 134 mm x 120 mm	584.00 g	5.18 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.