

# PRODUCT DATASHEET CLAS B 40 P 4W 827 FIL CL B22D

LED CLASSIC B P | LED lamps, classic candle 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
- 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
- Lower thermal output (compared with the standard reference product)

#### **Product features**

- Professional LED lamps for line voltage
- Beam angle: up to 300°
- Lifetime: up to 15,000 h
- Lamp made of glass
- Good quality of light; color rendering index  $R_a$ :  $\geq$  80; constant chromaticity





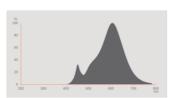
## **TECHNICAL DATA**

## Electrical data

Nominal wattage	4 W
Construction wattage	4.00 W
Nominal voltage	220240 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)	300
Max. lamp no. on circuit break. 16 A (B)	480
Power factor λ	> 0.50

## 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
Stroboscope effect metric (SVM)	≤ 0.9



# Light technical data

Beam angle	300 °
Warm-up time (60 %)	< 0.50 s
Starting time	< 0.5 s
Rated beam angle (half peak value)	300.00 °

# **Dimensions & Weight**

Overall length	91.00 mm
Diameter	35.00 mm
Maximum diameter	35 mm
Product weight	20.00 g

# Temperatures & operating conditions

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

## Certificates & Standards

Energy efficiency class	E 1)
Energy consumption	4.00 kWh/1000h

Type of protection	IP20
Standards	CE / EAC
Photobiological safety group acc. to EN62778	RGO

 $<sup>1) \ {\</sup>sf Energy \ efficiency} \ {\sf class \ (EEC) \ on \ a \ scale \ of \ A \ (highest \ efficiency) \ to \ G \ (lowest \ efficiency)}$ 

Country-specific categorizations			
Order reference	LED CLB40 4W 82		
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)	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		
Claim of equivalent power	Yes		
Length	91.00 mm		
Height	35.00 mm		
Width	35.00 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	≥0.5		
LED light source replaces a fluorescent light source	No		
EPREL ID	523194		
Model number	AC32383		

## **DOWNLOAD DATA**

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Declarations Of Conformity CE

#### **LOGISTICAL DATA**

Product code	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Gross weight	Volume
4099854069314	Folding box 1	39 mm x 39 mm x 109 mm	34.00 g	0.17 dm <sup>3</sup>
4099854069321	Shipping box 10	205 mm x 87 mm x 123 mm	389.00 g	2.19 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.

## References / Links

- For dimming conformity see www.ledvance.com/dim
- For Guarantee see www.ledvance.com/guarantee

#### **DISCLAIMER**

Subject to change without notice. Errors and omission excepted. Always make sure to use the most recent release.