

# PRODUCT DATASHEET LED Classic B 40 Filament P 4W 827 Clear 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)
- Lower energy consumption than incandescent or halogen lamps

#### **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  $\rm R_{a}\!\!: \geq 80;$  constant chromaticity

# TECHNICAL DATA

# Electrical data

Nominal wattage	4 W
Construction wattage	4.00 W
Nominal voltage	220240 V
Operating mode	AC Mains
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 number on MCB B10 A	300
Max. lamp number on MCB B16 A	480
Power factor $\lambda$	> 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)	≤0.4



EPREL data spectral diagram PROF LEDr 2700K

# Light technical data

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

# 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 L70/B50 at 25 °C	15000 h
Number of switching cycles	100000
Lumen maintenance at end of service lifetime	0.70
Rated lamp survival factor at 6,000 h	≥ 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	RG0	
Order reference OGISTICAL DATA	LED CLB40 4W 82	
LOGISTICAL DATA  Temperature range at storage	-20+40 °C	
Tomporatare range at storage	20140 0	
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 No	
Anti-glare shield		
	No	
Anti-glare shield	No No	
Anti-glare shield  Correlated colour temperature type	No No SINGLE_VALUE	

35.00 mm

Height

	35.00 mm
Chromaticity coordinate x	0,436
Chromaticity coordinate y	0,420
R9 Colour rendering index	1
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

# 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 lamps CLA,B,G,P

Photometric and lighting design files	Document name
Spectral power distribution	EPREL data spectral diagram PROF LEDr 2700K

## 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 dm <sup>3</sup>

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

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