

# PRODUCT DATASHEET CLAS P 40 DIM P 4.8W 827 FIL FR B22D

LED CLASSIC P DIM P | Dimmable LED lamps, mini-ball 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 lamp
- Very low energy consumption
- Robust against vibrations
- Lamps with innovative LED "filament" technology
- 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 300°
- Lamp made of glass
- Good color rendering ( $R_a \ge 80$ ) and color stability throughout the life of the lamp





### **TECHNICAL DATA**

### Electrical data

Nominal wattage	4.8 W
Construction wattage	4.80 W
Nominal voltage	220240 V
Claimed equiv. conventional lamp power	40 W
Nominal current	26 mA
Type of current	AC
Inrush current	0.1 A
Operating frequency	50/60 Hz
Mains frequency	50/60 Hz
Max. lamp no. on circuit break. 10 A (B)	100
Max. lamp no. on circuit break. 16 A (B)	150
Power factor $\lambda$	> 0.70

#### Photometrical data

Luminous flux	470 lm
Nominal useful luminous flux 90°	470 lm
Luminous efficacy	97 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	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	76.00 mm
Diameter	45.00 mm
Maximum diameter	45 mm
Product weight	18.00 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**

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### Certificates & Standards

Energy efficiency class	F <sup>1)</sup>
Energy consumption	5.00 kWh/1000h

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

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

Temperature range at storage -20+40 °C	Country-specific categorizations	
Emergy Labelling regulation data acc EU 2019/2015  Lighting technology used LED  Non-directional or directional NDLS  Mains or non-mains Light source cap-type (or other electric interface) Envelope Non-etted light source (CLS) No  Color-tuneable light source Envelope No  High luminance light source No  Anti-glare shield No  Correlated colour temperature type SINGLE_VALUE  Laim of equivalent power Leight Height Height Standby power Leight Standby coordinate x Length Height Stoom With Height Stoom With Height Stoom Shiele Shiele Shoom Shiele Shiele Shoom Shiele Shiele Shoom Shiele Shie	Order reference	LED CLP40DIM 4.
Energy Labelling regulation data acc EU 2019/2015  Lighting technology used  LED  Non-directional or directional  MLS  Mains or non-mains  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  O W  Claim of equivalent power  Length  T6.00 mm  Height  Writh  45.00 mm  Writh  45.00 mm  Chromaticity coordinate x  O.436  Chromaticity coordinate y  R9 Colour rendering index  Beam angle correspondence  SPHERE_360  Survival factor  O.90  Displacement factor  EDEL ID  ESSEL ID  S25123	LOGISTICAL DATA	
Lighting technology used  Non-directional or directional  Mains or non-mains  Light source cap-type (or other electric interface)  Robert Clor-tuneable light source  Connected light source  Cotor-tuneable light source  No  Cotor-tuneable light source  No  Envelope  No  High luminance light source  No  Correlated colour temperature type  SINGLE_VALUE  Standby power  OW  Claim of equivalent power  Length  Fo.00 mm  Height  Width  45.00 mm  Width  Chromaticity coordinate x  Chromaticity coordinate x  Chromaticity coordinate y  Ro Colour rendering index  Ro Coursel Correlated Colour rendering index  Sungle SHERE_360  Survival factor  Do 90  Displacement factor  EED Light source replaces a fluorescent light source  No  EERL ID	Temperature range at storage	-20+40 °C
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       76.00 mm         Width       45.00 mm         Width       45.00 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       ≥0.7         LED light source replaces a fluorescent light source       No         EFREL ID       523123	Energy labelling regulation data acc EU 2019/2015	
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Claim of equivalent power  Length 76.00 mm  Height 45.00 mm  Width 45.00 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  ED light source replaces a fluorescent light source No  EPREL ID  Yes  45.00 mm  0.436  0.436  0.436  0.90  0.90  Displacement factor  ≥0.7  LED light source replaces a fluorescent light source No	Correlated colour temperature type	SINGLE_VALUE
Length76.00 mmHeight45.00 mmWidth45.00 mmChromaticity coordinate x0.436Chromaticity coordinate y0,420R9 Colour rendering index0.00Beam angle correspondenceSPHERE_360Survival factor0.90Displacement factor≥0.7LED light source replaces a fluorescent light sourceNoEPREL ID523123	Standby power	0 W
Height 45.00 mm  Width 45.00 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 ≥0.7  LED light source replaces a fluorescent light source No  EPREL ID 523123	Claim of equivalent power	Yes
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Chromaticity coordinate y  R9 Colour rendering index  0.00  Beam angle correspondence  SPHERE_360  Survival factor  0.90  Displacement factor  ≥0.7  LED light source replaces a fluorescent light source  EPREL ID  523123	Width	45.00 mm
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Beam angle correspondence       SPHERE_360         Survival factor       0.90         Displacement factor       ≥0.7         LED light source replaces a fluorescent light source       No         EPREL ID       523123	Chromaticity coordinate y	0,420
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Displacement factor ≥0.7  LED light source replaces a fluorescent light source No  EPREL ID 523123	Beam angle correspondence	SPHERE_360
LED light source replaces a fluorescent light source  No  523123	Survival factor	0.90
EPREL ID 523123	Displacement factor	≥0.7
	LED light source replaces a fluorescent light source	No
Model number AC32298	EPREL ID	523123
	Model number	AC32298

#### **DOWNLOAD DATA**

#### DOWNLOAD DATA



**Declarations Of Conformity CE** 

#### **LOGISTICAL DATA**

Product code	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Gross weight	Volume
4099854067617	Folding box 1	46 mm x 46 mm x 93 mm	28.00 g	0.20 dm <sup>3</sup>
4099854067624	Shipping box 10	240 mm x 101 mm x 108 mm	338.00 g	2.62 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.