

# PRODUCT DATASHEET LED Base Classic A 60 8.5W 827 Frosted B22d

LED BASE CLASSIC A | LED lamps, classic bulb shape



## Areas of application

- Domestic applications
- General illumination
- Outdoor use in suitable outdoor luminaires only

## Product benefits

- Lower energy consumption than incandescent or halogen lamps
- Shockproof and vibration-proof thanks to LED technology
- 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





- Not dimmable
- Base: E27, B22d
- Mercury-free lamps

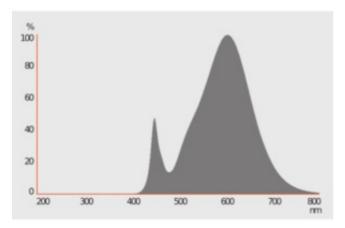
## TECHNICAL DATA

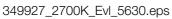
## Electrical data

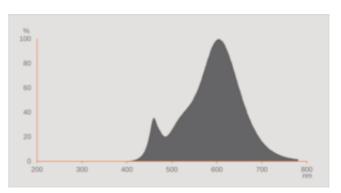
Nominal wattage	8.5 W
Construction wattage	8.50 W
Nominal voltage	220240 V
Claimed equiv. conventional lamp power	60 W
Nominal current	50 mA
Type of current	AC
Inrush current	10 A
Operating frequency	5060 Hz
Mains frequency	5060 Hz
Max. lamp number on MCB B10 A	160
Max. lamp number on MCB B16 A	256
Total harmonic distortion	81 %
Power factor $\lambda$	> 0.50

#### Photometrical data

Luminous flux	806 lm
Nominal useful luminous flux 90°	806 lm
Luminous efficacy	94 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





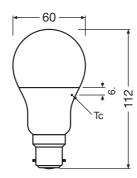


LISO spectral power distribution 2700K CRI80 v1

# Light technical data

Beam angle	200 °
Warm-up time (60 %)	0.50 s
Starting time	< 0.5 s

# Dimensions & Weight



Overall length	112.00 mm
Diameter	60.00 mm

Maximum diameter	60 mm	
Product weight	29.00 g	
Temperatures & operating conditions		
nbient temperature range -20+40 °C		
Maximum temperature at tc test point	87 °C	
Lifespan		
Lifespan L70/B50 at 25 °C	10000 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	Frosted	
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	F 1)	
Energy consumption	9.00 kWh/1000h	
Type of protection	IP20	
Standards	ROHS 2.0 / REACH / CE / CB / ERP	
Photobiological safety group acc. to EN62778	RG0	
1) Energy efficiency class (EEC) on a scale of A (highest efficiency) to G (li	owest efficiency)	
Country-specific categorizations		
ILCOS	DRAA/F-9,5/827-220-240-B22D-60	
Order reference	BASECLA60 8,5W/	

## LOGISTICAL DATA

Temperature range at storage	-20+80 °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	0.00		
Networked standby power for CLS	0 W		
Claim of equivalent power	Yes		
Length	112.00 mm		
Height	60.00 mm		
Width	60.00 mm		
Chromaticity coordinate x	0.458		
Chromaticity coordinate y	0.410		
R9 Colour rendering index	1		
Beam angle correspondence	SPHERE_360		
Survival factor	0.90		
Displacement factor	0.50		
LED light source replaces a fluorescent light source	No		
EPREL ID	1403223,523307,1351500,1857038,2479638		

# 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	EC Declaration of Conformity CLA Non Dim AC31141-56 AC31177-9 AC34531-3	
PDF	Declarations of conformity	Classic A_B_P 15000h FR	
PDF	Declarations of conformity	LED CLASSIC A_P NON-DIM	
PDF	Declarations of conformity UKCA	LED CLASSIC A_P NON-DIM	
	Photometric and lighting design files	s Document name	
	Spectral power distribution	349927_2700K_Evl_5630.eps	

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#### LOGISTICAL DATA

Spectral power distribution

Product code	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Gross weight	Volume
4058075819511	Folding box 4	61 mm x 192 mm x 153 mm	109.00 g	1.79 dm <sup>3</sup>
4052899961531	Folding box 3	61 mm x 153 mm x 143 mm	100.00 g	1.33 dm <sup>3</sup>
4058075819528	Shipping box 40	395 mm x 318 mm x 136 mm	1760.00 g	17.08 dm <sup>3</sup>
4052899961548	Shipping box 30	315 mm x 313 mm x 122 mm	1237.00 g	12.03 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.

## **DISCLAIMER**

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