

PRODUCT DATASHEET LED Base Classic A 100 13W 840 Frosted E27

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





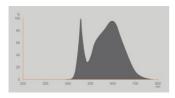
TECHNICAL DATA

Electrical data

Nominal wattage	13 W
Construction wattage	13.00 W
Nominal voltage	220240 V
Operating mode	AC Mains
Claimed equiv. conventional lamp power	100 W
Nominal current	95 mA
Type of current	AC
Inrush current	3.66 A
Operating frequency	50/60 Hz
Mains frequency	50/60 Hz
Max. lamp number on MCB B10 A	84
Max. lamp number on MCB B16 A	134
Total harmonic distortion	117.3 %
Power factor λ	0.62

Photometrical data

Luminous intensity	Not relevant
Luminous flux	1521 lm
Luminous efficacy	117 lm/W
Lumen main.fact.at end of nom.life time	0.93
Light color (designation)	Cool White
Color temperature	4000 K
Color rendering index Ra	80
Light color	840
Standard deviation of color matching	≤6 sdcm
Flickering metric (Pst LM)	1.0
Stroboscope effect metric (SVM)	0.4

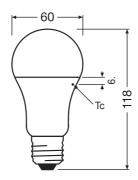


EPREL Data Spectral Diagram LEDr _4000K

Light technical data

Beam angle	150 °
Warm-up time (60 %)	0.50 s
Starting time	< 0.5 s

Dimensions & Weight



Overall length	118.00 mm
Diameter	60.00 mm
Maximum diameter	60 mm
Product weight	32.00 g

Temperatures & operating conditions

Ambient temperature range	-20+40 °C
Maximum temperature at tc test point	95 °C

Lifespan

Lifespan L70/B50 at 25 °C	10000 h
Number of switching cycles	100000

Lumen maintenance at end of service lifetime	0.93
Additional product data	
Base (standard designation)	E27
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	E 1)
Energy consumption	13.00 kWh/1000h
Type of protection	IP20
Standards	CE / UKCA / EAC
Photobiological safety group acc. to EN62778	RG1
1) Energy efficiency class (EEC) on a scale of A (highest efficiency) to G	G (lowest efficiency)
1) Energy efficiency class (EEC) on a scale of A (highest efficiency) to G	BASECLA100 13W/
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Energy labelling regulation data acc EU 2019/2015	BASECLA100 13W/ -20+80 °C
Energy labelling regulation data acc EU 2019/2015 Lighting technology used	BASECLA100 13W/ -20+80 °C
Energy efficiency class (EEC) on a scale of A (highest efficiency) to G Country-specific categorizations Order reference OGISTICAL DATA Temperature range at storage Energy labelling regulation data acc EU 2019/2015 Lighting technology used Non-directional or directional	BASECLA100 13W/ -20+80 °C LED NDLS
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E27

Anti-glare shield	No
Correlated colour temperature type	SINGLE_VALUE
Standby power	0.0 W
Claim of equivalent power	Yes
Length	118.00 mm
Height	60.00 mm
Width	60.00 mm
Chromaticity coordinate x	0.3818
Chromaticity coordinate y	0.3797
R9 Colour rendering index	1
Beam angle correspondence	SPHERE_360
Survival factor	0.90
Displacement factor	0.965
LED light source replaces a fluorescent light source	No
EPREL ID	1857041,2192434,2187368
Model number	AC55990,AC55990,AC70646,AC69349

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	Classic A_B_P 15000h FR
PDF	Declarations of conformity	LED CLASSIC A_P NON-DIM
PDF	Declarations of conformity	CE declaration lamps
PDF	Declarations of conformity UKCA	LED CLASSIC A_P NON-DIM
PDF	Declarations of conformity UKCA	UKCA Declaration lamps

Photometric and lighting design files	Document name
Spectral power distribution	EPREL Data Spectral Diagram LEDr _4000K

LOGISTICAL DATA

Product code	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Gross weight	Volume
4099854348198	Folding box 5	61 mm x 242 mm x 122 mm	192.00 g	1.80 dm ³
4099854348204	Shipping box 50	495 mm x 318 mm x 136 mm	2420.00 g	21.41 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.