

PRODUCT DATASHEET

LED Base Classic A 60 8.5W 827 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**

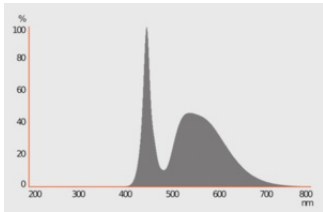
Nominal wattage	8.5 W
Construction wattage	8.50 W
Nominal voltage	220...240 V
Claimed equiv. conventional lamp power	60 W
Nominal current	50 mA
Type of current	AC
Inrush current	10 A
Operating frequency	50...60 Hz
Mains frequency	50...60 Hz
Max. lamp number on MCB B10 A	160
Max. lamp number on MCB B16 A	256
Total harmonic distortion	81 %
Power factor λ	> 0.50

Photometrical data

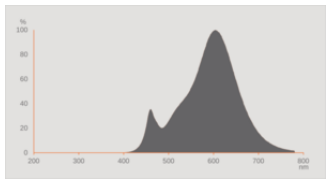
Luminous flux	806 lm
Nominal useful luminous flux 90°	806 lm
Luminous efficacy	94 lm/W
Lumen main.fact.at end of nom.life time	0.70
Light color (designation)	Warm White
Color temperature	2700 K
Color rendering index Ra	≥80
Light color	827
Standard deviation of color matching	≤6 sdcn
Rated LLMF at 6,000 h	0.80
Flickering metric (Pst LM)	1.0
Stroboscope effect metric (SVM)	0.9



349927_2700K_Evl_5630.eps



LISO spectral power distribution
6500K CRI80 v2

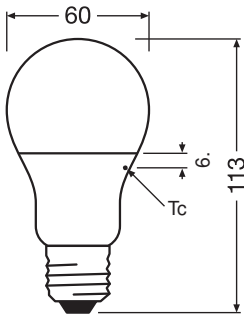


LISO spectral power distribution
2700K CRI80 v1

Light technical data

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

Dimensions & Weight



Overall length	113.00 mm
Diameter	60.00 mm
Maximum diameter	60 mm
Product weight	29.00 g

Temperatures & operating conditions

Ambient 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)	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	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 (lowest efficiency)

Country-specific categorizations

ILCOS	DRAA/F-9/827-220-240-E27-60
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)	E27
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
Claim of equivalent power	Yes
Length	113.00 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	1403215,523308,1351499,1857042,2192489

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
	Declarations of conformity	EC Declaration of Conformity CLA Non Dim AC31141-56 AC31177-9 AC34531-3
	Declarations of conformity	Classic A_B_P 15000h FR
	Declarations of conformity	LED CLASSIC A_P NON-DIM

Documents and certificates		Document name
	Declarations of conformity UKCA	LED CLASSIC A_P NON-DIM
Photometric and lighting design files		Document name
	Spectral power distribution	349927_2700K_Evl_5630.eps
	Spectral power distribution	LISO spectral power distribution 6500K CRI80 v2
	Spectral power distribution	LISO spectral power distribution 2700K CRI80 v1

LOGISTICAL DATA

Product code	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Gross weight	Volume
4058075090484	Folding box 5	61 mm x 242 mm x 122 mm	137.00 g	1.80 dm ³
4052899955493	Folding box 3	61 mm x 153 mm x 143 mm	110.00 g	1.33 dm ³
4058075819450	Folding box 4	61 mm x 192 mm x 153 mm	109.00 g	1.79 dm ³
4058075152656	Folding box 2	61 mm x 116 mm x 154 mm	65.00 g	1.09 dm ³
4052899972476	Blister 3	62 mm x 140 mm x 185 mm	112.00 g	1.61 dm ³
4052899972483	Shipping box 18	381 mm x 160 mm x 223 mm	828.00 g	13.59 dm ³
4058075090491	Shipping box 50	495 mm x 318 mm x 136 mm	1980.00 g	21.41 dm ³
4052899955523	Shipping box 30	315 mm x 313 mm x 122 mm	1220.00 g	12.03 dm ³
4058075819467	Shipping box 40	395 mm x 318 mm x 136 mm	1680.00 g	17.08 dm ³
4058075152663	Shipping box 20	316 mm x 242 mm x 136 mm	1000.00 g	10.40 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.