PRODUCT DATASHEET

LED Classic A 150 DIM P 20W 827 Frosted E27

LED CLASSIC A DIM P | Dimmable LED lamps with classic A bulb with housing consisting of min. 50% recycled plastics



PERFOR-
MANCE
CLASS

Areas of application

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

Product benefits

- High color consistency thanks to narrow binning
- Easy replacement of classic lamps thanks to compact design

Product features

- Professional LED lamps for line voltage
- Dimmable (with many common dimmers, see also www.ledvance.com/dim)
- Minimum 50 % of recycled plastic (out of total plastic weight) used
- Good color rendering CRI ≥ 80 and color stability throughout the life of the lamp





TECHNICAL DATA

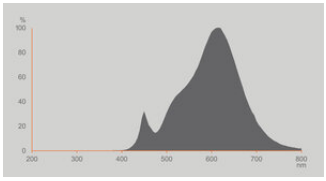
Electrical data

Nominal wattage	20 W
Construction wattage	20.00 W
Nominal voltage	220…240 V
Operating mode	AC Mains
Claimed equiv. conventional lamp power	150 W
Nominal current	95 mA
Type of current	AC
Inrush current	2.9 A
Operating frequency	50/60 Hz
Mains frequency	50/60 Hz
Max. lamp number on MCB B10 A	40
Max. lamp number on MCB B16 A	47
Maximum total harmonic distortion	15 %
Power factor λ	0.94

Photometrical data

Luminous flux	2452 lm
Luminous efficacy	122 lm/W
Lumen main.fact.at end of nom.life time	0.96
Light color (designation)	Warm White
Color temperature	2700 K
Color rendering index Ra	80
Light color	827
Standard deviation of color matching	≤6 sdcm
Flickering metric (Pst LM)	1.0
Stroboscope effect metric (SVM)	0.4

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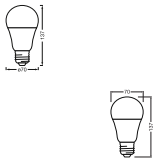


Spectral graphic classic B P 2700K DIM

Light technical data

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

Dimensions & Weight



Overall length	137.00 mm
Diameter	70.00 mm
Maximum diameter	70 mm
Product weight	105.00 g

Temperatures & operating conditions

Ambient temperature range	-20…+40 °C
Maximum temperature at tc test point	90 °C

Lifespan

Lifespan L70/B50 at 25 °C	25000 h
Number of switching cycles	100000
Lumen maintenance at end of service lifetime	0.96

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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	Yes [1)]

1) Check dimmer compatibility at ledvance.com/compatibility

Certificates & Standards

Energy efficiency class	E [1)]
Energy consumption	20.00 kWh/1000h
Type of protection	IP20
Standards	CE / EAC / UKCA
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

Order reference	LED CLA150 DIM

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

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Anti-glare shield	No
Correlated colour temperature type	SINGLE_VALUE
Standby power	0.00 W
Claim of equivalent power	Yes
Length	137.00 mm
Height	70.00 mm
Width	70.00 mm
Chromaticity coordinate x	0.4578
Chromaticity coordinate y	0.4101
R9 Colour rendering index	1
Beam angle correspondence	SPHERE_360
Survival factor	0.90
Displacement factor	0.97
LED light source replaces a fluorescent light source	No
EPREL ID	1338696,2190105
Model number	AC45054,AC69369,AC69369

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 lamps add value
PDF	Declarations of conformity	Declaration of conformity CE

	Photometric and lighting design files	Document name
	Spectral power distribution	Spectral graphic classic B P 2700K DIM

LOGISTICAL DATA

Product code	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Gross weight	Volume
4099854044038	Folding box 1	71 mm x 71 mm x 141 mm	126.00 g	0.71 dm^3
4099854044045	Shipping box 10	365 mm x 152 mm x 155 mm	1405.00 g	8.60 dm^3

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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

DISCLAIMER

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

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