

PRODUCT DATASHEET LED Classic A 150 DIM P 20W 827 Frosted E27

PARATHOM® CLASSIC A DIM | Dimmable LED lamps, classic bulb shape



Areas of application

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

Product benefits

- Low energy consumption
- 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)
- Long lifetime up to 25,000 h
- Good quality of light; color rendering index Ra: ≥ 80; constant chromaticity





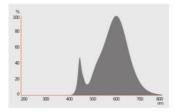
TECHNICAL DATA

Electrical data

Nominal wattage	20 W
Construction wattage	20.00 W
Nominal voltage	220240 V
Claimed equiv. conventional lamp power	150 W
Nominal current	86 mA
Type of current	AC
Inrush current	6 A
Operating frequency	5060 Hz
Mains frequency	5060 Hz
Max. lamp number on MCB B10 A	6
Max. lamp number on MCB B16 A	9
Total harmonic distortion	120 %
Power factor λ	> 0.90

Photometrical data

Luminous flux	2452 lm
Nominal useful luminous flux 90°	2452 lm
Luminous efficacy	122 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)	0.4



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Light technical data

Beam angle	200°
Warm-up time (60 %)	< 1.00 s
Starting time	< 0.5 s

Dimensions & Weight

Overall length	141.00 mm
Diameter	70.00 mm
Maximum diameter	70 mm
Product weight	80.00 g

Temperatures & operating conditions

Ambient temperature range	-20+40 °C
Maximum temperature at tc test point	105 °C

Lifespan

Lifespan L70/B50 at 25 °C	25000 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	Dimmable (with many common dimmers, see also www.ledvance.com/dim)	
Capabilities		
Dimmable	Yes	
Certificates & Standards		
Energy efficiency class	E 1)	
Energy consumption	20.00 kWh/1000h	
Type of protection	IP20	
Standards	CE / ROHS / REACH / ERP	
Photobiological safety group acc. to EN62778	RG0	
) Energy efficiency class (EEC) on a scale of A (highest efficiency) to G (low	west efficiency)	
Order reference	LEDPCLA150D 20W	
OGISTICAL DATA		
Temperature range at storage	-20+80 °C	
Temperature range at storage Energy labelling regulation data acc EU 2019/2015	-20+80 °C	
	-20+80 °C	
Energy labelling regulation data acc EU 2019/2015		
Energy labelling regulation data acc EU 2019/2015 Lighting technology used	LED	
Energy labelling regulation data acc EU 2019/2015 Lighting technology used Non-directional or directional	LED NDLS	
Energy labelling regulation data acc EU 2019/2015 Lighting technology used Non-directional or directional Mains or non-mains	LED NDLS MLS	
Energy labelling regulation data acc EU 2019/2015 Lighting technology used Non-directional or directional Mains or non-mains Light source cap-type (or other electric interface)	LED NDLS MLS E27	
Energy labelling regulation data acc EU 2019/2015 Lighting technology used Non-directional or directional Mains or non-mains Light source cap-type (or other electric interface) Connected light source (CLS)	LED NDLS MLS E27 No	
Energy labelling regulation data acc EU 2019/2015 Lighting technology used Non-directional or directional Mains or non-mains Light source cap-type (or other electric interface) Connected light source (CLS) Color-tuneable light source	LED NDLS MLS E27 No	
Energy labelling regulation data acc EU 2019/2015 Lighting technology used Non-directional or directional Mains or non-mains Light source cap-type (or other electric interface) Connected light source (CLS) Color-tuneable light source Envelope	LED NDLS MLS E27 No No No	
Energy labelling regulation data acc EU 2019/2015 Lighting technology used Non-directional or directional Mains or non-mains Light source cap-type (or other electric interface) Connected light source (CLS) Color-tuneable light source Envelope High luminance light source	LED NDLS MLS E27 No No No No	
Energy labelling regulation data acc EU 2019/2015 Lighting technology used Non-directional or directional Mains or non-mains Light source cap-type (or other electric interface) Connected light source (CLS) Color-tuneable light source Envelope High luminance light source Anti-glare shield	LED NDLS MLS E27 No No No No No	
Energy labelling regulation data acc EU 2019/2015 Lighting technology used Non-directional or directional Mains or non-mains Light source cap-type (or other electric interface) Connected light source (CLS) Color-tuneable light source Envelope High luminance light source Anti-glare shield Correlated colour temperature type	LED NDLS MLS E27 No No No No No SINGLE_VALUE	
Lighting technology used Non-directional or directional Mains or non-mains Light source cap-type (or other electric interface) Connected light source (CLS) Color-tuneable light source Envelope High luminance light source Anti-glare shield Correlated colour temperature type Standby power	LED NDLS MLS E27 NO NO NO NO SINGLE_VALUE 0.00 W	
Energy labelling regulation data acc EU 2019/2015 Lighting technology used Non-directional or directional Mains or non-mains Light source cap-type (or other electric interface) Connected light source (CLS) Color-tuneable light source Envelope High luminance light source Anti-glare shield Correlated colour temperature type Standby power Claim of equivalent power	LED NDLS MLS E27 No No No SINGLE_VALUE 0.00 W Yes	

0.458

Chromaticity coordinate x

Chromaticity coordinate y	0.410
R9 Colour rendering index	1
Beam angle correspondence	SPHERE_360
Survival factor	0.90
Displacement factor	0.90
LED light source replaces a fluorescent light source	No
EPREL ID	523286
Model number	AC31128

DOWNLOAD DATA

	Documents and certificates	Document name
PDF	Declarations of conformity	LED Classic A
	Photometric and lighting design files	Document name
	Spectral power distribution	349927_2700K_EvI_5630.eps

LOGISTICAL DATA

Product code	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Gross weight	Volume
4058075594241	Folding box 1	68 mm x 68 mm x 143 mm	103.00 g	0.66 dm ³
4058075594258	Shipping box 10	356 mm x 146 mm x 160 mm	1161.00 g	8.32 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.

References / Links

- For dimming conformity see www.ledvance.com/dim
- For further products and actual information concerning LED lamps see www.ledvance.com/ledlamps
- 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.