

PRODUCT DATASHEET LED Classic A 40 Energy efficiency class A S 2.5W 830 Frosted E27

LED CLASSIC A ENERGY EFFICIENCY A S | LED lamps, classic bulb shape, ENERGY EFFICIENCY CLASS A



Areas of application

- Perfect for decorative installations
- Domestic applications
- General illumination
- Outdoor use in suitable outdoor luminaires only

Product benefits

- Lamps with innovative LED "filament" technology
- Low energy consumption
- Design, dimensions, luminous flux comparable to a halogen lamp
- Instant 100 % light, no warm-up time
- Low flickering

Product features

- LED lamps for line voltage
- Luminous efficacy: up to 210 lm/W
- Beam angle: up to 300°
- Very long lifetime of up to 50,000 h
- Very high number of switching cycles 500,000





TECHNICAL DATA

Electrical data

Nominal wattage	2.5 W
Construction wattage	2.50 W
Nominal voltage	220240 V
Operating mode	Mains voltage
Claimed equiv. conventional lamp power	40 W
Nominal current	22 mA
Type of current	AC
Inrush current	2.56 A
Operating frequency	50/60 Hz
Mains frequency	50/60 Hz
Max. lamp number on MCB B10 A	175
Max. lamp number on MCB B16 A	281
Total harmonic distortion	100,30 %
Power factor λ	≥ 0.47

Photometrical data

Luminous flux	525 lm
Nominal useful luminous flux 90°	525 lm
Luminous efficacy	210 lm/W
Lumen main.fact.at end of nom.life time	0.96
Light color (designation)	Warm White
Color temperature	3000 K
Color rendering index Ra	≥80
Light color	830
Standard deviation of color matching	≤6 sdcm
Flickering metric (Pst LM)	≤1
Stroboscope effect metric (SVM)	≤0.4



EPREL Data Spectral Diagram LEDr _3000K_Energy Class A

Light technical data

Beam angle	300 °
Warm-up time (60 %)	< 0.50 s
Starting time	< 0.5 s

Dimensions & Weight



Overall length	105.00 mm
Diameter	60.00 mm
Maximum diameter	60 mm
Product weight	31.00 g

Temperatures & operating conditions

Ambient temperature range	-20+40 °C
Maximum temperature at tc test point	<65 °C

Lifespan

Lifespan L70/B50 at 25 °C	50000 h
Number of switching cycles	500000
Lumen maintenance at end of service lifetime	0.96
Rated lamp survival factor at 6,000 h	≥ 0.90

Additional product data

Base (standard designation)	E27

Mercury content	0.0 mg
Design / version	Frosted
Capabilities	
Dimmable	No
Certificates & Standards	
Energy efficiency class	A
Energy consumption	3.00 kWh/1000h
Type of protection	IP20
Standards	CE / ERP / ROHS / REACH / UKCA
Photobiological safety group acc. to EN62778	RG0
Country-specific categorizations	
Order reference	LED CLA40 2,5W/
LOGISTICAL DATA	
Temperature range at storage	-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
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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
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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 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
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	LED NDLS MLS E27 No No No No SINGLE_VALUE O 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 Networked standby power for CLS	LED NDLS MLS E27 No No No No SINGLE_VALUE O W not applicable
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 Networked standby power for CLS Claim of equivalent power	LED NDLS MLS E27 No No No No No No No No No N
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 Networked standby power for CLS Claim of equivalent power Length	LED NDLS MLS E27 No

Chromaticity coordinate y	0,437
R9 Colour rendering index	1
Beam angle correspondence	SPHERE_360
Survival factor	0,90
Displacement factor	not applicable
LED light source replaces a fluorescent light source	No
EPREL ID	1260028
Model number	AC43721

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	LED lamp CLA FIL lamp	
	Photometric and lighting design files	Document name	
	Spectral power distribution	EPREL Data Spectral Diagram LEDr _3000K_Energy Class A	

LOGISTICAL DATA

Product code	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Gross weight	Volume
4099854002809	Folding box 1	60 mm x 60 mm x 145 mm	46.00 g	0.52 dm ³
4099854002816	Shipping box	202 mm x 134 mm x 130 mm	381.00 g	3.52 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 Guarantee see www.ledvance.com/guarantee

S 2.5W 830 Frosted E27

DISCLAIMER

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