

PRODUCT DATASHEET

P CLAS A 100 12 W/2700 K E27

OSRAM DULUX® D LED EM & AC MAINS | LED replacement for CFLni, 2 tubes, with 2-pin G24d base for CCG and AC mains operation



Areas of application

- Perfect for decorative installations
- Domestic applications
- General illumination
- Outdoor use in outdoor luminaires only (minimum IP65)

Product benefits

- Design, dimensions, luminous flux comparable to an incandescent or halogen lamp
- Very low energy consumption
- Robust against vibrations
- 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

Product features

- Professional LED lamps for line voltage
- Beam angle: up to 300°
- Dimmable (with many common dimmers, see also www.ledvance.com/dim)
- Base: E27, B22d
- Lifetime: up to 15,000 h
- Lamp made of glass



- Good quality of light; color rendering index $R_a \geq 80$; constant chromaticity

TECHNICAL DATA

Electrical data

Nominal wattage	12 W
Nominal voltage	220...240 V
Claimed equiv. conventional lamp power	100 W
Nominal current	72 mA
Type of current	AC
Inrush current	0.15 A
Operating frequency	50...60 Hz
Mains frequency	50...60 Hz
Max. lamp no. on circuit break. 10 A (B)	55
Max. lamp no. on circuit break. 16 A (B)	85
Power factor λ	> 0,50

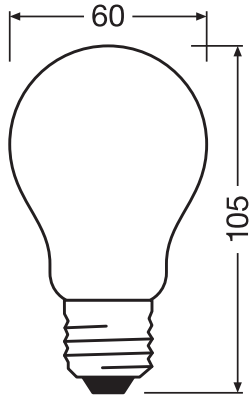
Photometrical data

Luminous flux	1521 lm
Nominal useful luminous flux 90°	1521 lm
Luminous efficacy	126 lm/W
Lumen main.fact.at end of nom.li	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

Light technical data

Beam angle	320 °
Warm-up time (60 %)	< 0.50 s
Starting time	< 0.5 s
Rated beam angle (half peak value)	320.00 °

Dimensions & weight



Overall length	105.00 mm
Length	105.00 mm
Diameter	60.00 mm
Maximum diameter	60 mm
Product weight	32.000 g

Temperatures & operating conditions

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

Lifespan

Nominal lamp life time	15000 h
Rated lamp life time	15000 h
Number of switching cycles	100000
Lumen maintenance at end of serv	0.70
Rated lamp survival factor at 6,000	≥ 0.90

Additional product data

Base (standard designation)	E27
Mercury content	0.0 mg
Mercury-free	Yes

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 / LED lamps contain several electronic components. Under unfavourable conditions these can lead to acoustic noise. In case of resonance even low noise can cause audible effect. Possible factors influencing this are the installation, the design of the lamp holder and the luminaire (acoustic resonance effect) as well as the dimmer or the transformer (harmonics or electronic resonance)
----------------	--

Capabilities

Dimmable	Yes
----------	-----

Certificates & standards




Energy efficiency class	A++ ¹⁾
Energy consumption	12.00 kWh/1000h
Type of protection	IP20
Standards	CE
Photobiological safety group EN62778	RG0

¹⁾ Energy efficiency class (EEC) on a scale of A++ (highest efficiency) to E (lowest efficiency)

Country-specific categorizations

Order reference	LEDPCLA100D 12W
-----------------	-----------------

DOWNLOAD DATA

DOWNLOAD DATA	
	Certificates EAEC N RU D-DE.MYu62.B.00793 20 02.03.2020-01.03.2025
	Certificates EAEC N RU D-DE.MYu62.B.00978 20 10.03.2020-09.03.2025
	Certificates EAEC N RU D-DE.MYu62.B.01095 20 16.03.2020-15.03.2025

LOGISTICAL DATA

Product code	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Gross weight	Volume
4058075439016	Folding box 1	60 mm x 60 mm x 111 mm	46.00 g	0.40 dm ³



Product code	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Gross weight	Volume
4058075439023	Shipping box 10	325 mm x 136 mm x 126 mm	568.00 g	5.57 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.