

PRODUCT DATASHEET

LED GLOBE125 100 DIM S 100 11 W/4000 K E27

LED SCLASSIC GLOBE | Dimmable LED lamps, classic ball shape



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
- Design, dimensions, luminous flux comparable to a halogen lamp
- Natural light spectrum with outstanding color rendering of CRI > 90
- Greatly reduced blue component
- Improved visual comfort and reduced eye strain
- Lower energy consumption than incandescent or halogen lamps
- Instant 100 % light, no warm-up time
- Low flickering

Product features

- LED lamps for line voltage
- Beam angle: up to 300°
- Dimmable



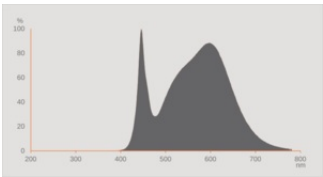
– Color rendering index R_a : ≥ 90

TECHNICAL DATA**Electrical data**

Nominal wattage	11 W
Construction wattage	11.00 W
Nominal voltage	220...240 V
Operating mode	AC Mains
Claimed equiv. conventional lamp power	100 W
Nominal current	52 mA
Type of current	AC
Inrush current	2.28 A
Operating frequency	50/60 Hz
Mains frequency	50/60 Hz
Max. lamp number on MCB B10 A	271
Max. lamp number on MCB B16 A	434
Power factor λ	> 0.50

Photometrical data

Luminous flux	1521 lm
Nominal useful luminous flux 90°	1521 lm
Luminous efficacy	138 lm/W
Lumen main.fact.at end of nom.life time	0.93
Light color (designation)	Cool White
Color temperature	4000 K
Color rendering index Ra	≥90
Light color	940
Standard deviation of color matching	≤6 sdcn
Rated LLMF at 6,000 h	0.80
Flickering metric (Pst LM)	≤1
Stroboscope effect metric (SVM)	≤ 0.9



LISO spectral power distribution
4000K CRI80 v1

Light technical data

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

Dimensions & Weight



Overall length	168.00 mm
Diameter	124.00 mm
Maximum diameter	124 mm
Product weight	100.00 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	15000 h
Number of switching cycles	100000
Lumen maintenance at end of service lifetime	0.93
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	Clear
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
----------	-----

Certificates & Standards

Energy efficiency class	D ¹⁾
Energy consumption	11.00 kWh/1000h
Type of protection	IP20
Standards	CE
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	LEDCG125100 11W
-----------------	-----------------

LOGISTICAL DATA

Temperature range at storage	-40...+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 W

Claim of equivalent power	Yes
Length	168.00 mm
Height	124.00 mm
Width	124.00 mm
Chromaticity coordinate x	0.380
Chromaticity coordinate y	0.380
R9 Colour rendering index	1
Beam angle correspondence	SPHERE_360
Survival factor	0.90
Displacement factor	≥0.7
LED light source replaces a fluorescent light source	No
EPREL ID	642800
Model number	AC34004

DOWNLOAD DATA

	Photometric and lighting design files	Document name
	IES file (IES)	CL GLOBE 125 100 dim FIL 90 4000 E27
	LDT file (Eulumdat)	CL GLOBE125 100 dim FIL 90 4000 E27
	Light distribution curve type polar	CL GLOBE 125 100 dim FIL 90 4000 E27
	Spectral power distribution	LISO spectral power distribution 4000K CRI80 v1

LOGISTICAL DATA

Product code	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Gross weight	Volume
4058075758162	Folding box 1	140 mm x 140 mm x 179 mm	130.00 g	3.48 dm ³
4058075758179	Shipping box 10	710 mm x 290 mm x 193 mm	1666.00 g	39.74 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

DISCLAIMER

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