

# PRODUCT DATASHEET LED Classic Globe 80 40 Filament Energy efficiency class A 2.2W 840 Clear E27

LED LAMPS ENERGY CLASS A ENERGY EFFICIENCY FILAMENT CLASSIC Globe | LED lamps, classic ball 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
- Design, dimensions, luminous flux comparable to a halogen lamp
- Low energy consumption
- Instant 100 % light, no warm-up time
- Low flickering

#### **Product features**

- LED lamps for line voltage
- Beam angle: up to 300°
- Very long lifetime of up to 50,000 h
- Very high number of switching cycles up to 100,000
- Luminous efficacy: up to 210 lm/W





#### TECHNICAL DATA

#### Electrical data

Nominal wattage	2.2 W
Construction wattage	2.20 W
Nominal voltage	220240 V
Operating mode	AC Mains
Claimed equiv. conventional lamp power	40 W
Nominal current	20 mA
Type of current	AC
Inrush current	1.44 A
Operating frequency	50/60 Hz
Mains frequency	50/60 Hz
Max. lamp number on MCB B10 A	151
Max. lamp number on MCB B16 A	180
Total harmonic distortion	110 %
Power factor $\lambda$	≥ 0.40

#### Photometrical data

Luminous flux	470 lm
Luminous efficacy	213 lm/W
Lumen main.fact.at end of nom.life time	0.96
Light color (designation)	Cool white
Color temperature	4000 K
Color rendering index Ra	80
Light color	840
Standard deviation of color matching	≤6 sdcm
Flickering metric (Pst LM)	≤1.0
Stroboscope effect metric (SVM)	≤0.4



Spectral graph Classic 4000K

## Light technical data

Beam angle	330 °
Warm-up time (60 %)	< 0.50 s
Starting time	< 0.5 s

## Dimensions & Weight



Overall length	115.00 mm
Diameter	80.00 mm
Maximum diameter	80 mm
Product weight	40.00 g

## Temperatures & operating conditions

Ambient temperature range	-20+40 °C
Maximum temperature at tc test point	80 °C

#### Lifespan

Lifespan L70/B50 at 25 °C	50000 h
Number of switching cycles	500000
Lumen maintenance at end of service lifetime	0.96

## 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	No
Certificates & Standards	

Energy efficiency class	A 1)
Energy consumption	3.00 kWh/1000h
Type of protection	IP20
Standards	CE / EAC / UKCA
Photobiological safety group acc. to EN62778	RG0

<sup>1)</sup> Energy efficiency class (EEC) on a scale of A (highest efficiency) to G (lowest efficiency)

#### Country-specific categorizations

Order reference

LOGISTICAL DATA	
Temperature range at storage	-20 +80 °C

LSSPG8040 2,2W/

#### Energy labelling regulation data acc EU 2019/2015

Mains or non-mains  Light source cap-type (or other electric interface)  E27  Connected light source (CLS)  No  Color-tuneable light source  No  High luminance light source  No  Anti-glare shield  No  Correlated colour temperature type  SINGLE_VALUE  Standby power  O W  Networked standby power for CLS  Not relevant  Claim of equivalent power  Length  Height  80.00 mm  Width  80.00 mm  Chromaticity coordinate x  0.380  Chromaticity coordinate y  82  E27  No  No  Reverable  No  No  Reverable  No  No  Reverable  No  SINGLE_VALUE  STANDBY  Not relevant  Yes  Length  115.00 mm  Chromaticity coordinate x  0.380  Chromaticity coordinate y  No  SINGLE_VALUE  O W  Not relevant  Yes  Length  15.00 mm	Lighting technology used	LED
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  O W  Networked standby power for CLS  Not relevant  Claim of equivalent power  Length  Hight  80.00 mm  Width  80.00 mm  Chromaticity coordinate x  0.380  Chromaticity coordinate y  80 Colour rendering index  1	Non-directional or directional	NDLS
Connected light source (CLS)  Color-tuneable light source  Envelope  No  High luminance light source  No  Anti-glare shield  No  Correlated colour temperature type  SINGLE_VALUE  Standby power  OW  Networked standby power for CLS  Not relevant  Claim of equivalent power  Length  Height  80.00 mm  Width  80.00 mm  Chromaticity coordinate x  0.380  Chromaticity coordinate y  R9 Colour rendering index  No  No  No  No  No  No  No  No  No  N	Mains or non-mains	MLS
Color-tuneable light source  Envelope  No  High luminance light source  No  Anti-glare shield  No  Correlated colour temperature type  SINGLE_VALUE  Standby power  O W  Networked standby power for CLS  Not relevant  Claim of equivalent power  Length  115.00 mm  Height  80.00 mm  Width  80.00 mm  Chromaticity coordinate x  0.380  Chromaticity coordinate y  R9 Colour rendering index  1	Light source cap-type (or other electric interface)	E27
Envelope No High luminance light source No Anti-glare shield No Correlated colour temperature type SINGLE_VALUE Standby power 0 W Networked standby power for CLS Not relevant Claim of equivalent power Yes Length 115.00 mm Height 80.00 mm Width 80.00 mm Chromaticity coordinate x 0.380 Chromaticity coordinate y 0.380 R9 Colour rendering index 1	Connected light source (CLS)	No
High luminance light source  Anti-glare shield  No  Correlated colour temperature type  SINGLE_VALUE  Standby power  0 W  Networked standby power for CLS  Not relevant  Claim of equivalent power  Yes  Length  115.00 mm  Height  80.00 mm  Width  80.00 mm  Chromaticity coordinate x  0.380  Chromaticity coordinate y  R9 Colour rendering index  1	Color-tuneable light source	No
Anti-glare shield No Correlated colour temperature type SINGLE_VALUE Standby power 0 W Networked standby power for CLS Not relevant Claim of equivalent power Yes Length 115.00 mm Height 80.00 mm Width 80.00 mm Chromaticity coordinate x 0.380 Chromaticity coordinate y 0.380  R9 Colour rendering index 1	Envelope	No
Correlated colour temperature type  SINGLE_VALUE  Standby power  0 W  Not relevant  Claim of equivalent power  Yes  Length  115.00 mm  Height  80.00 mm  Width  80.00 mm  Chromaticity coordinate x  0.380  Chromaticity coordinate y  R9 Colour rendering index  1	High luminance light source	No
Standby power 0 W  Networked standby power for CLS Not relevant  Claim of equivalent power Yes  Length 115.00 mm  Height 80.00 mm  Width 80.00 mm  Chromaticity coordinate x 0.380  Chromaticity coordinate y 0.380  R9 Colour rendering index 1	Anti-glare shield	No
Networked standby power for CLS  Claim of equivalent power  Yes  Length  115.00 mm  Height  80.00 mm  Width  80.00 mm  Chromaticity coordinate x  0.380  Chromaticity coordinate y  R9 Colour rendering index  1	Correlated colour temperature type	SINGLE_VALUE
Claim of equivalent power  Length  115.00 mm  Height  80.00 mm  Width  80.00 mm  Chromaticity coordinate x  0.380  Chromaticity coordinate y  0.380  R9 Colour rendering index	Standby power	0 W
Length 115.00 mm  Height 80.00 mm  Width 80.00 mm  Chromaticity coordinate x 0.380  Chromaticity coordinate y 0.380  R9 Colour rendering index 1	Networked standby power for CLS	Not relevant
Height 80.00 mm  Width 80.00 mm  Chromaticity coordinate x 0.380  Chromaticity coordinate y 0.380  R9 Colour rendering index 1	Claim of equivalent power	Yes
Width 80.00 mm  Chromaticity coordinate x 0.380  Chromaticity coordinate y 0.380  R9 Colour rendering index 1	Length	115.00 mm
Chromaticity coordinate x  0.380  Chromaticity coordinate y  0.380  R9 Colour rendering index  1	Height	80.00 mm
Chromaticity coordinate y 0.380  R9 Colour rendering index 1	Width	80.00 mm
R9 Colour rendering index 1	Chromaticity coordinate x	0.380
	Chromaticity coordinate y	0.380
Beam angle correspondence SPHERE_360	R9 Colour rendering index	1
	Beam angle correspondence	SPHERE_360

Survival factor	0.90
Displacement factor	≥0.5
LED light source replaces a fluorescent light source	No
EPREL ID	1902963,2185098,2506879
Model number	AC60064,AC70284,AC92548

#### 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	
POF	Declarations of conformity	LED lamp	
PDF	Declarations of conformity	LED lamps	
POF	Declarations of conformity UKCA	LED lamp	
POF	Declarations of conformity UKCA	LED lamps	

Photometric and lighting design files	Document name
Spectral power distribution	Spectral graph Classic 4000K

#### LOGISTICAL DATA

Product code	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Gross weight	Volume
4058075839489	Folding box	81 mm x 81 mm x 155 mm	74.00 g	1.02 dm <sup>3</sup>
4058075839496	Shipping box	260 mm x 184 mm x 170 mm	667.00 g	8.13 dm <sup>3</sup>

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.