

# PRODUCT DATASHEET LED Star Classic A 45 6.5W 827 12-36V Frosted E27

LED STAR CLASSIC A FOR LOW VOLTAGE | LED lamps, classic bulb shape



#### Areas of application

- Battery power system without main connection
- Camping, Camper, Garden house
- Outdoor applications only in suitable luminaires

#### Product benefits

- Fit for off-grid use
- Lower energy consumption than incandescent or halogen lamps

#### **Product features**

- LED lamp for low voltage power system (AC/DC 12 V - 36 V)





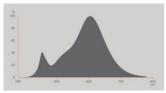
# TECHNICAL DATA

# Electrical data

Nominal wattage	6.5 W
Construction wattage	6.50 W
Nominal voltage	1236 V
Operating mode	12V-36V AC/DC
Claimed equiv. conventional lamp power	45 W
Nominal current	800 mA
Type of current	AC/DC
Inrush current	3.44 A
Max. lamp number on MCB B10 A	9
Max. lamp number on MCB B16 A	15
Total harmonic distortion	130 %
Power factor $\lambda$	> 0.50

#### Photometrical data

Luminous flux	600 lm
Nominal useful luminous flux 90°	600 lm
Luminous efficacy	92 lm/W
Lumen main.fact.at end of nom.life time	0.96
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



LED Classic 827

# Light technical data

Beam angle	200 °
Warm-up time (60 %)	←0.50 s
Starting time	< 0.5 s

# Dimensions & Weight

Overall length	112.00 mm
Diameter	60.00 mm
Maximum diameter	60 mm
Product weight	35.00 g

# Temperatures & operating conditions

Ambient temperature range	-2040 °C
Maximum temperature at tc test point	82.9 °C

# Lifespan

Lifespan L70/B50 at 25 °C	25000 h
Number of switching cycles	100000
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
Mercury-free	Yes
Design / version	Frosted
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	F 1)	
Energy consumption	7.00 kWh/1000h	
Type of protection	IP20	
Standards	CE	
Photobiological safety group acc. to EN62778 RG0		

Order reference

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

LEDSCLA45 6,5W/

# Energy labelling regulation data acc EU 2019/2015

Non-directional or directional       NDLS         Mains or non-mains       NMLS         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       0.00 W         Networked standby power for CLS       0.00 W         Claim of equivalent power       Yes         Length       112.00 mm         Height       60.00 mm         Width       60.00 mm         Chromaticity coordinate x       0.458         Chromaticity coordinate y       0.410         Be Colour rendering index       1         Beam angle correspondence       SPHERE_360	Lighting technology used	LED
Light source cap-type (or other electric interface)  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  0.00 W  Networked standby power for CLS  0.00 W  Claim of equivalent power  Yes  Length  Height  60.00 mm  Width  60.00 mm  Chromaticity coordinate x  0.458  Chromaticity coordinate y  Re Colour rendering index  1	Non-directional or directional	NDLS
Connected light source (CLS)  Color-tuneable light source  No  Envelope  No  High luminance light source  No  Anti-glare shield  No  Correlated colour temperature type  SINGLE_VALUE  Standby power  0.00 W  Networked standby power for CLS  0.00 W  Claim of equivalent power  Yes  Length  112.00 mm  Height  60.00 mm  Width  60.00 mm  Chromaticity coordinate x  0.410  R9 Colour rendering index  1	Mains or non-mains	NMLS
Color-tuneable light source  Envelope  No  High luminance light source  No  Anti-glare shield  No  Correlated colour temperature type  SINGLE_VALUE  Standby power  0.00 W  Networked standby power for CLS  0.00 W  Claim of equivalent power  Yes  Length  Height  60.00 mm  Width  60.00 mm  Chromaticity coordinate x  0.458  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 0.00 W Networked standby power for CLS 0.00 W Claim of equivalent power Yes Length 112.00 mm Height 60.00 mm Width 60.00 mm Chromaticity coordinate x 0.458 Chromaticity coordinate y 0.410 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  0.00 W  Networked standby power for CLS  0.00 W  Claim of equivalent power  Yes  Length  112.00 mm  Height  60.00 mm  Width  60.00 mm  Chromaticity coordinate x  0.458  Chromaticity coordinate y  R9 Colour rendering index	Color-tuneable light source	No
Anti-glare shield No Correlated colour temperature type SINGLE_VALUE Standby power 0.00 W Networked standby power for CLS 0.00 W Claim of equivalent power Yes Length 112.00 mm Height 60.00 mm Width 60.00 mm Chromaticity coordinate x 0.458 Chromaticity coordinate y 0.410  R9 Colour rendering index 1	Envelope	No
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Claim of equivalent power  Length  112.00 mm  Height  60.00 mm  Width  60.00 mm  Chromaticity coordinate x  0.458  Chromaticity coordinate y  R9 Colour rendering index  1	Standby power	0.00 W
Length 112.00 mm  Height 60.00 mm  Width 60.00 mm  Chromaticity coordinate x 0.458  Chromaticity coordinate y 0.410  R9 Colour rendering index 1	Networked standby power for CLS	0.00 W
Height 60.00 mm  Width 60.00 mm  Chromaticity coordinate x 0.458  Chromaticity coordinate y 0.410  R9 Colour rendering index 1	Claim of equivalent power	Yes
Width 60.00 mm  Chromaticity coordinate x 0.458  Chromaticity coordinate y 0.410  R9 Colour rendering index 1	Length	112.00 mm
Chromaticity coordinate x  Chromaticity coordinate y  Chromaticity coordinate y  0.410  R9 Colour rendering index  1	Height	60.00 mm
Chromaticity coordinate y 0.410  R9 Colour rendering index 1	Width	60.00 mm
R9 Colour rendering index 1	Chromaticity coordinate x	0.458
	Chromaticity coordinate y	0.410
Beam angle correspondence SPHERE_360	R9 Colour rendering index	1
	Beam angle correspondence	SPHERE_360

Survival factor	0.90
Displacement factor	0.50
LED light source replaces a fluorescent light source	No
EPREL ID	1338699
Model number	AC45061,AC45061

# 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	CLASSIC A NON-DIM LOW E27 20000H FR
	Photometric and lighting design files	Document name
	Spectral power distribution	LED Classic 827

#### LOGISTICAL DATA

Product code	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Gross weight	Volume
4099854040368	Folding box 1	60 mm x 60 mm x 162 mm	51.00 g	0.58 dm <sup>3</sup>
4099854040375	Shipping box	208 mm x 135 mm x 137 mm	403.00 g	3.85 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.

#### 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.