

## PRODUCT DATASHEET

# LED Star Classic Stick 60 8.5W 840 Frosted E14

LED PCR CLASSIC STICK LAMP | LED lamps with recycled plastic



### Areas of application

- All domestic rooms, especially where the lamps are visible
- Wherever compact and efficient lamps are needed
- Where the lamps need to last a long time or have to withstand frequent on/off switching
- Outdoor use in suitable outdoor luminaires only

### Product benefits

- Lower energy consumption than incandescent or halogen lamps
- Attractive lamp appearance

### Product features

- LED alternative to conventional lamps
- Good quality of light; color rendering index  $R_a \geq 80$ ; constant chromaticity



TECHNICAL DATA

Electrical data

Nominal wattage	8.5 W
Construction wattage	8.50 W
Nominal voltage	220...240 V
Operating mode	AC Mains
Claimed equiv. conventional lamp power	60 W
Nominal current	60 mA
Type of current	AC
Inrush current	7.04 A
Operating frequency	50...60 Hz
Mains frequency	50...60 Hz
Max. lamp number on MCB B10 A	30
Max. lamp number on MCB B16 A	36
Total harmonic distortion	104.40 %
Power factor $\lambda$	> 0.50

Photometrical data

Luminous flux	806 lm
Luminous efficacy	94 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	80
Light color	840
Standard deviation of color matching	≤6 sdcn
Flickering metric (Pst LM)	1.0
Stroboscope effect metric (SVM)	0.4



EPREL Data Spectral Diagram LEDr\_4000K

## Light technical data

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

## Dimensions &amp; Weight

Overall length	120.00 mm
Diameter	37.00 mm
Maximum diameter	37 mm
Product weight	25.00 g

## Temperatures &amp; operating conditions

Ambient temperature range	-20...+40 °C
Maximum temperature at tc test point	90 °C

## Lifespan

Lifespan L70/B50 at 25 °C	15000 h
Number of switching cycles	100000
Lumen maintenance at end of service lifetime	0.93

## Additional product data

Base (standard designation)	E14
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
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### Certificates & Standards

Energy efficiency class	F 1)
Energy consumption	9.00 kWh/1000h
Type of protection	IP20
Standards	CE / UKCA / EAC
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	LEDSSTICK60 8,5
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### LOGISTICAL DATA

Temperature range at storage	-40...+80 °C
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### 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)	E14
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
Claim of equivalent power	Yes
Length	120.00 mm
Height	37.00 mm
Width	37.00 mm
Chromaticity coordinate x	0.3818
Chromaticity coordinate y	0.3797
R9 Colour rendering index	2.3
Beam angle correspondence	SPHERE_360
Survival factor	0.90





Displacement factor	0.9125
LED light source replaces a fluorescent light source	No
EPREL ID	1402981,523291,1838211,2190102
Model number	AC31133,AC17505,AC55961,AC69377

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
	Declarations of conformity	LED Stick lamp
	Declarations of conformity	LED CLASSIC / LED STICK
	Declarations of conformity UKCA	LED CLASSIC / LED STICK

Photometric and lighting design files		Document name
	IES file (IES)	LEDSSTICK60 8W 840 FR OSRAM
	LDT file (Eulumdat)	AC08413_STICK60 8W 230V FR E14
	Light distribution curve type polar	LEDSSTICK60 8W 840 230VFR E14 BLI1 OSRAM
	Spectral power distribution	EPREL Data Spectral Diagram LEDr _4000K

LOGISTICAL DATA

Product code	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Gross weight	Volume
4058075428423	Folding box 1	41 mm x 49 mm x 155 mm	43.00 g	0.31 dm <sup>3</sup>
4058075585973	Shipping box 6	144 mm x 111 mm x 131 mm	309.00 g	2.09 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.

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## DISCLAIMER

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