

PRODUCT DATASHEET LED Star Classic B 40 Recycled Plastic 4.9W 827 Frosted E14

LED PCR LAMPS WITH CLASSIC B | LED lamps, classic B bulb with recycled plastic



Areas of application

- Domestic applications
- General illumination
- Outdoor use in suitable outdoor luminaires only

Product benefits

- Lower energy consumption than incandescent or halogen lamps
- Easy replacement of classic lamps thanks to compact design
- Instant 100 % light, no warm-up time
- Made of recycled plastics, the lamp contributes to the reduction of CO2 emissions and landfill waste

Product features

- LED alternative to conventional lamps
- Mercury-free lamps
- Minimum 40 % of recycled plastic (out of total plastic weight) used





4.9W 827 Frosted E14

TECHNICAL DATA

Electrical data

Nominal wattage	4.9 W
Construction wattage	4.90 W
Nominal voltage	220240 V
Operating mode	AC Mains
Claimed equiv. conventional lamp power	40 W
Nominal current	47 mA
Type of current	AC
Inrush current	5.92 A
Operating frequency	50/60 Hz
Mains frequency	50/60 Hz
Max. lamp number on MCB B10 A	45
Max. lamp number on MCB B16 A	70
Total harmonic distortion	140 %
Power factor λ	> 0.50

Photometrical data

Luminous intensity	Not relevant
Luminous flux	470 lm
Luminous efficacy	95 lm/W
Lumen main.fact.at end of nom.life time	0.93
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
Stroboscope effect metric (SVM)	≤0.4

Light technical data

Beam angle	220 °
Warm-up time (60 %)	< 0.50 s
Starting time	< 0.5 s

Dimensions & Weight

Downlength 96.00 mm Diameter 37.00 mm Maximum diameter 37 mm Product weight 16.00 g Temperatures & operating conditions Ambient temperature range -20+40 °C Maximum temperature at to test point 62.2 °C Lifespan Lifespan Lifespan 170/850 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 2.0.90 Additional product data Base (standard designation) E14 Mercury content 0.0 mg Mercury-free Yes Design / version Frosted All technical parameters apply to the entire lamp / Due to the complex production process foliast, met production process of light-entiring oliosis, 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 Added function Naturelcop Capabilities Dimmable No Certificates & Standards Energy efficiency class		
Meximum diameter 97 mm Product weight 16:00 g Temperatures & operating conditions Ambient temperature range -20+40 °C Maximum temperature at to test point 62.2 °C Lifespan Lifespan L70/850 at 25 °C 15:00 h Number of switching cycles 10:0000 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) E14 Mercury content 0.0 mg Mercury-free Yes Design / version Frosted All technical parameters are purely statistical values shown for the technical LED parameters are purely statistical values of scholindividual product, which can vary from the typical value Added function Natureloop Capabilities Dimmable No Certificates & Standards	Overall length	96.00 mm
Product weight Temperatures & operating conditions Ambient temperature range -20+40 °C Maximum temperature at to test point 62.2 °C Lifespan 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 Additional product data Base (standard designation) E14 Mercury content 0.0 mg Mercury-free Yes Design / version Product remark All technical parameters apply to the entire lamp / Due to the complex production process for light-emitting cloides, the typical values shown for the technical LED parameters values that do not necessarily match the actual technical parameters of each individual product, which can vary from the typical value Added function Natureloop Capabilities Dimmable No Certificates & Standards	Diameter	37.00 mm
Temperatures & operating conditions Ambient temperature range -20+40 °C Maximum temperature at to test point 62.2 °C Lifespan Lifespan L70/BS0 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) E14 Mercury content 0.0 mg Mercury-free Yes Design / version Frosted All technical parameters apply to the entire lamp / Due to the complex product remark for the technical LED parameters any salvaise shown for the technical LED parameters and salvaise shown for the technical LED parameters of each individual product, which can vary from the typical values that do not necessarily match the actual technical parameters of each individual product, which can vary from the typical value Added function Natureloop Capabilities Dimmable No Certificates & Standards	Maximum diameter	37 mm
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Additional product data Base (standard designation) E14 Mercury content 0.0 mg Mercury-free Yes Design / version Frosted 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 Added function Natureloop Capabilities Dimmable No Certificates & Standards	Lumen maintenance at end of service lifetime	0.93
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Product remark Product remark 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 Added function Natureloop Capabilities Dimmable No Certificates & Standards	Design / version	Frosted
Capabilities Dimmable No Certificates & Standards	Product remark	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
Dimmable No Certificates & Standards	Added function	Natureloop
Certificates & Standards	Capabilities	
	Dimmable	No
Energy efficiency class F 1)	Certificates & Standards	
	Energy efficiency class	F 1)

5.00 kWh/1000h

Energy consumption

Type of protection	IP20
Standards	CE / UKCA
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

Country-specific categorizations			
Order reference	LEDPCRCLB40 4,9		
LOGISTICAL DATA			
Temperature range at storage	-20+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)	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 W		
Networked standby power for CLS	0 W		
Claim of equivalent power	Yes		
Length	96.00 mm		
Height	37.00 mm		
Width	37.00 mm		
Chromaticity coordinate x	0.457		
Chromaticity coordinate y	0.410		
R9 Colour rendering index	1		
Beam angle correspondence	SPHERE_360		
Survival factor	0.9		
Displacement factor	20.5		
LED light source replaces a fluorescent light source	No		
EPREL ID	1612045		

4.9W 827 Frosted E14

Model number	AC53821

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	LED CLASSIC
PDF	Declarations of conformity UKCA	LED CLASSIC

LOGISTICAL DATA

Product code	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Gross weight	Volume
4058075831964	Folding box	36 mm x 49 mm x 145 mm	28.00 g	0.26 dm ³
4058075831971	Shipping box 6	129 mm x 111 mm x 120 mm	223.00 g	1.72 dm³

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.

ADDITIONAL CATALOG INFORMATION



DISCLAIMER

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

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