

PRODUCT DATASHEET LED Classic A 100 Recycled Plastic 14W 840 Frosted E27

LED PCR LAMPS WITH CLASSIC A | LED lamps, classic A 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



840 Frosted E27



TECHNICAL DATA

Electrical data

Nominal wattage	14 W
Construction wattage	14.00 W
Nominal voltage	220240 V
Operating mode	AC Mains
Claimed equiv. conventional lamp power	100 W
Nominal current	125 mA
Type of current	AC
Inrush current	9.52 A
Operating frequency	50/60 Hz
Mains frequency	50/60 Hz
Max. lamp number on MCB B10 A	63
Max. lamp number on MCB B16 A	78
Total harmonic distortion	120 %
Power factor λ	0.50

Photometrical data

Luminous intensity	Not relevant
Luminous flux	1521 lm
Luminous efficacy	108 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 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	200 °
Warm-up time (60 %)	< 0.50 s
Starting time	< 0.5 s

Dimensions & Weight

Overall length	118.00 mm	
Diameter	60.00 mm	
Maximum diameter	60 mm	
Product weight	36.00 g	
Temperatures & operating conditions		
Ambient temperature range	-20+40 °C	
Maximum temperature at tc test point	75.8 °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	Frosted	
Product remark	All technical parameters apply to the entire lamp / Due to the complete production process for light-emitting diodes, the typical values show 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		
Energy efficiency class	F 1)	

14.00 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	LED PCR CLA100		
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)	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		
Networked standby power for CLS	0 W		
Claim of equivalent power	Yes		
Length	118.00 mm		
Height	60.00 mm		
Width	60.00 mm		
Chromaticity coordinate x	0.381		
Chromaticity coordinate y	0.379		
R9 Colour rendering index	1		
Beam angle correspondence	SPHERE_360		
Survival factor	0.9		
Displacement factor	20.7		
LED light source replaces a fluorescent light source	No		
EPREL ID	1612042		

Model number	AC53818

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
4099854205088	Folding box	62 mm x 62 mm x 122 mm	46.00 g	0.47 dm ³
4099854205095	Shipping box 10	319 mm x 133 mm x 138 mm	602.00 g	5.85 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.

ADDITIONAL CATALOG INFORMATION



DISCLAIMER

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