OSRAM

PRODUCT DATASHEET
LED Star Classic A 40 4.9W 865 Frosted E27

LED PCR LAMP WITH CLASSIC A | LED lamps 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

Product features

– LED alternative to conventional lamps
– Mercury-free lamps

TECHNICAL DATA

Electrical data

Nominal wattage	4.9 W
Construction wattage	4.90 W
Nominal voltage	220…240 V
Operating mode	AC Mains
Claimed equiv. conventional lamp power	40 W
Nominal current	42 mA
Type of current	AC
Inrush current	11.2 A
Operating frequency	50…60 Hz
Mains frequency	50…60 Hz
Max. lamp number on MCB B10 A	35
Max. lamp number on MCB B16 A	45
Total harmonic distortion	140 %
Power factor λ	0.54

Photometrical data

Luminous flux	470 lm
Luminous efficacy	95 lm/W
Lumen main.fact.at end of nom.life time	0.93
Light color (designation)	Cool Daylight
Color temperature	6500 K
Color rendering index Ra	80
Light color	865
Standard deviation of color matching	≤6 sdcm
Flickering metric (Pst LM)	1.0
Stroboscope effect metric (SVM)	0.4

Spectral graph CLASSIC A 865

Light technical data

Beam angle	200 °

Warm-up time (60 %)	‹ 0.50 s
Starting time	< 0.5 s

Dimensions & Weight

Overall length	105.00 mm
Diameter	59.00 mm
Maximum diameter	59 mm
Product weight	19.00 g

Temperatures & operating conditions

Ambient temperature range	-20…+40 °C
Maximum temperature at tc test point	100 °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)	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	5.00 kWh/1000h
Type of protection	IP20
Standards	CE / UKCA / EAC
Photobiological safety group acc. to EN62778	RG1

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

Country-specific categorizations

Order reference	LEDSCLA40 4,9W/

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	0.00 W
Claim of equivalent power	Yes
Length	105.00 mm
Height	59.00 mm
Width	59.00 mm
Chromaticity coordinate x	0.3123
Chromaticity coordinate y	0.3283
R9 Colour rendering index	1
Beam angle correspondence	SPHERE_360
Survival factor	0.90
Displacement factor	0.934
LED light source replaces a fluorescent light source	No
EPREL ID	1403230,523305,1351498,1857052,2192464

Model number	AC31147,AC44996,AC24716,AC55980,AC69302

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_B_P 15000h FR
PDF	Declarations of conformity	LED CLASSIC A_P NON-DIM
PDF	Declarations of conformity UKCA	LED CLASSIC A_P NON-DIM

	Photometric and lighting design files	Document name
	Spectral power distribution	Spectral graph CLASSIC A 865

LOGISTICAL DATA

Product code	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Gross weight	Volume
4058075304192	Folding box 1	60 mm x 60 mm x 145 mm	34.00 g	0.52 dm^3
4058075588806	Shipping box 6	202 mm x 134 mm x 120 mm	290.00 g	3.25 dm^3
4058075304208	Shipping box 10	303 mm x 125 mm x 120 mm	472.00 g	4.55 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.

References / Links

– For further products and actual information concerning LED lamps see www.ledvance.com/ledlamps
– For Guarantee see www.ledvance.com/guarantee

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