

PRODUCT DATASHEET

LED CLAS BW 40 DIM S 40 3.4 W/4000 K E14

LED CLASSIC BW DIM CRI90 S | Dimmable LED lamps, classic candle shape, CRI90, with greatly reduced blue component



Areas of application

- Perfect for decorative installations
- Domestic applications
- General illumination
- Outdoor use in suitable outdoor luminaires only

Product benefits

- Lamps with innovative LED "filament" technology
- Design, dimensions, luminous flux comparable to a halogen lamp
- Natural light spectrum with outstanding color rendering of CRI > 90
- Greatly reduced blue component
- Improved visual comfort and reduced eye strain
- Lower energy consumption than incandescent or halogen lamps
- Instant 100 % light, no warm-up time
- Low flickering

Product features

- LED lamps for line voltage
- Beam angle: up to 300°



- Dimmable
- Color rendering index $R_a \geq 90$

TECHNICAL DATA

Electrical data

Nominal wattage	3.4 W
Construction wattage	3.40 W
Nominal voltage	220...240 V
Operating mode	AC Mains
Claimed equiv. conventional lamp power	40 W
Nominal current	20 mA
Type of current	AC
Inrush current	0.25 A
Operating frequency	50/60 Hz
Mains frequency	50/60 Hz
Max. lamp number on MCB B10 A	2123
Max. lamp number on MCB B16 A	3396
Power factor λ	> 0.70

Photometrical data

Luminous flux	470 lm
Nominal useful luminous flux 90°	470 lm
Luminous efficacy	138 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	≥90
Light color	940
Standard deviation of color matching	≤6 sdcn
Rated LLMF at 6,000 h	0.80
Flickering metric (Pst LM)	≤1
Stroboscope effect metric (SVM)	≤ 0.9



LISO spectral power distribution
4000K CRI80 v1

Light technical data

Beam angle	300 °
Warm-up time (60 %)	< 0.50 s
Starting time	< 0.5 s

Dimensions & Weight

Overall length	100.00 mm
Diameter	35.00 mm
Maximum diameter	35 mm
Product weight	16.00 g

Temperatures & operating conditions

Ambient temperature range	-20...+40 °C
Maximum temperature at tc test point	≤65 °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)	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	Yes
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Certificates & Standards

Energy efficiency class	D 1)
Energy consumption	4.00 kWh/1000h
Type of protection	IP20
Standards	CE
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	LEDCCLBW40D 3,4
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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 W
Claim of equivalent power	Yes

Length	100.00 mm
Height	35.00 mm
Width	35.00 mm
Chromaticity coordinate x	0.380
Chromaticity coordinate y	0.380
R9 Colour rendering index	0.00
Beam angle correspondence	SPHERE_360
Survival factor	0.90
Displacement factor	≥0.4
LED light source replaces a fluorescent light source	No
EPREL ID	642798
Model number	AC34002

DOWNLOAD DATA

Documents and certificates		Document name
	Declarations of conformity	LED lamps DIM

Photometric and lighting design files		Document name
	Spectral power distribution	LISO spectral power distribution 4000K CRI80 v1

LOGISTICAL DATA

Product code	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Gross weight	Volume
4058075758421	Folding box 1	39 mm x 39 mm x 109 mm	30.00 g	0.17 dm ³
4058075758438	Shipping box 10	205 mm x 87 mm x 123 mm	348.00 g	2.19 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.

DISCLAIMER

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