

PRODUCT DATASHEET

VALUE CLAS A 40 FR 4.9 W/6500 K E27

LED VALUE CLASSIC A | LED lamps, classic bulb shape



Areas of application

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

Product benefits

- Lower energy consumption than incandescent or halogen lamps
- Can be easily fitted instead of ordinary light bulbs

Product features

- LED alternative to conventional lamps
- Not dimmable
- Good color rendering ($R_a \geq 80$) and color stability throughout the life of the lamp



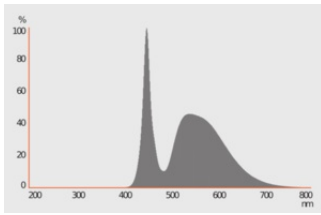
TECHNICAL DATA

Electrical data

Nominal wattage	4.9 W
Construction wattage	4.90 W
Nominal voltage	220...240 V
Claimed equiv. conventional lamp power	40 W
Nominal current	42 mA
Type of current	AC
Inrush current	10 A
Operating frequency	50...60 Hz
Mains frequency	50...60 Hz
Max. lamp number on MCB B10 A	200
Max. lamp number on MCB B16 A	320
Total harmonic distortion	125 %
Power factor λ	> 0.50

Photometrical data

Luminous flux	470 lm
Nominal useful luminous flux 90°	470 lm
Luminous efficacy	95 lm/W
Lumen main.fact.at end of nom.life time	0.70
Light color (designation)	Cool Daylight
Color temperature	6500 K
Color rendering index Ra	≥80
Light color	865
Standard deviation of color matching	≤6 sdcn
Rated LLMF at 6,000 h	0.80
Flickering metric (Pst LM)	1.0
Stroboscope effect metric (SVM)	0.9

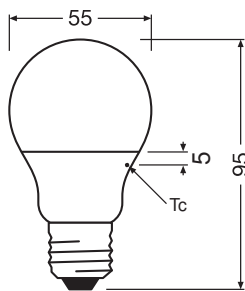


LISO spectral power distribution
6500K CRI80 v2

Light technical data

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

Dimensions & Weight



Overall length	95.00 mm
Diameter	55.00 mm
Maximum diameter	55 mm
Product weight	20.00 g

Temperatures & operating conditions

Ambient temperature range	-20...+40 °C
Maximum temperature at tc test point	75 °C

Lifespan

Lifespan L70/B50 at 25 °C	10000 h
Number of switching cycles	100000

Lumen maintenance at end of service lifetime	0.70
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 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	5.00 kWh/1000h
Type of protection	IP20
Standards	ROHS 2.0 / REACH / CE / CB / ERP
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	VALUE CLA404,9W
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LOGISTICAL DATA

Temperature range at storage	-20...+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)	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	95.00 mm
Height	55.00 mm
Width	55.00 mm
Chromaticity coordinate x	0.312
Chromaticity coordinate y	0.328
Beam angle correspondence	SPHERE_360
Survival factor	0.90
Displacement factor	0.5
LED light source replaces a fluorescent light source	No
EPREL ID	1403230,523305,1381363,1857052,1855180
Model number	AC31147,AC44912,AC24716,AC56432,AC55980,AC55980


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	EC Declaration of Conformity CLA Non Dim AC31141-56 AC31177-9 AC34531-3

Photometric and lighting design files	Document name
 IES file (IES)	AC08345_CLA40 5,5W 220-240V FR E27
 LDT file (Eulumdat)	AC08345_CLA40 5,5W 220-240V FR E27
 UGR file (UGR table)	VALUE CLA40 5,5W 865 230VFR E27 FS1OSRAM
 Light distribution curve type cone	VALUE CLA40 5,5W 865 230VFR E27 FS1OSRAM
 Light distribution curve type polar	VALUE CLA40 5,5W 865 230VFR E27 FS1OSRAM

Photometric and lighting design files	Document name
 Spectral power distribution	LISO spectral power distribution 6500K CRI80 v2

LOGISTICAL DATA

Product code	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Gross weight	Volume
4052899971011	Folding box 1	55 mm x 55 mm x 102 mm	33.00 g	0.31 dm ³
4058075803916	Bundle 2			
4058075019270	Bundle 3			
4058075803923	Shipping box 20	316 mm x 252 mm x 125 mm	1362.00 g	9.95 dm ³
4058075019287	Shipping box 30	372 mm x 315 mm x 125 mm	1948.00 g	14.65 dm ³
4052899971103	Shipping box 10	290 mm x 122 mm x 116 mm	410.00 g	4.10 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.