

# PRODUCT DATASHEET

## LED Classic P 40 V 4.9W 840 Frosted E14

LED CLASSIC P V | LED lamps, classic mini-ball 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
- Easy replacement of classic lamps thanks to compact design
- Instant 100 % light, no warm-up time

### Product features

- Professional LED lamps for line voltage
- Not dimmable
- Lifetime up to 15,000 h
- Good quality of light; color rendering index  $R_a \geq 80$ ; constant chromaticity



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	4.24 A
Operating frequency	50/60 Hz
Mains frequency	50/60 Hz
Max. lamp number on MCB B10 A	79
Max. lamp number on MCB B16 A	98
Total harmonic distortion	146 %
Power factor $\lambda$	0.53

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 White
Color temperature	4000 K
Color rendering index Ra	80
Light color	840
Standard deviation of color matching	$\leq 6$ sdcm
Flickering metric (Pst LM)	1.0
Stroboscope effect metric (SVM)	0.4



Spectral graph CLASSIC A 840

### Light technical data

Beam angle	150 °
Warm-up time (60 %)	< 0.50 s
Starting time	< 0.5 s

### Dimensions & Weight

Overall length	79.00 mm
Diameter	45.00 mm
Maximum diameter	45 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	10000 h
Number of switching cycles	100000
Lumen maintenance at end of service lifetime	0.93

### 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	No
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## Certificates &amp; 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	RG0

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

## Country-specific categorizations

Order reference	LED CLP40 4.9W
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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)	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	0.00 W
Claim of equivalent power	Yes
Length	79.00 mm
Height	45.00 mm
Width	45.00 mm
Chromaticity coordinate x	0.3818
Chromaticity coordinate y	0.3797
R9 Colour rendering index	1
Beam angle correspondence	SPHERE_360
Survival factor	0.90
Displacement factor	0.93

LED light source replaces a fluorescent light source	No
EPREL ID	1351523,1855188,2192491
Model number	AC45021,AC56456,AC69361

### 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	Classic A_B_P 15000h FR
	Declarations of conformity	LED CLASSIC
	Declarations of conformity	LED lamp
	Declarations of conformity UKCA	LED CLASSIC
	Declarations of conformity UKCA	LED lamp
Photometric and lighting design files		Document name
	Spectral power distribution	Spectral graph CLASSIC A 840

### LOGISTICAL DATA

Product code	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Gross weight	Volume
4099854049422	Folding box 1	45 mm x 45 mm x 84 mm	28.00 g	0.17 dm <sup>3</sup>
4099854049439	Shipping box 10	238 mm x 99 mm x 95 mm	280.00 g	2.24 dm <sup>3</sup>

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](http://www.ledvance.com/ledlamps)

– For Guarantee see [www.ledvance.com/guarantee](http://www.ledvance.com/guarantee)

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