

# PRODUCT DATASHEET LED Classic B 40 4.9W 827 Frosted E14

BELLALUX® CLB | LED lamps, classic mini-candle shape



### Areas of application

- General illumination
- Domestic applications
- Chandeliers
- Outdoor use in outdoor luminaires only (minimum IP65)

### **Product benefits**

- Very low energy consumption
- Shockproof and vibration-proof thanks to LED technology
- No UV radiation in the light beam
- Instant 100 % light, no warm-up time
- Simple direct replacement for conventional incandescent lamps

#### **Product features**

- LED lamps for line voltage
- Not suitable for use with dimmers
- Mercury-free lamps





October 12, 2023, 01:05:34

LED Classic B 40 4.9W 827 Frosted E14

Page 1 of 5

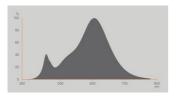
## **TECHNICAL DATA**

## **Electrical data**

Nominal wattage	4.9 W
Construction wattage	4.90 W
Nominal voltage	220240 V
Operating mode	AC Mains
Claimed equiv. conventional lamp power	40 W
Nominal current	47 mA
Type of current	AC
Inrush current	3 A
Operating frequency	5060 Hz
Mains frequency	5060 Hz
Max. lamp no. on circuit break. 10 A (B)	45
Max. lamp no. on circuit break. 16 A (B)	70

## 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	0.93
Light color (designation)	Warm White
Color temperature	2700 K
Color rendering index Ra	≥80
Light color	827
Standard deviation of color matching	≤6 sdcm
Rated LLMF at 6,000 h	0.80
Flickering metric (Pst LM)	1.0
Stroboscope effect metric (SVM)	0.4

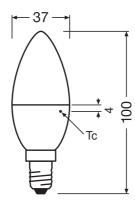


October 12, 2023, 01:05:34 LED Classic B 40 4.9W 827 Frosted E14

# Light technical data

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

## **Dimensions & Weight**



Overall length	96.00 mm
Diameter	37.00 mm
Maximum diameter	37 mm
Product weight	16.00 g

## Temperatures & operating conditions

Ambient temperature range	-20+40 °C
Maximum temperature at tc test point	79 °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

October 12, 2023, 01:05:34 LED Classic B 40 4.9W 827 Frosted E14

Product remark 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    Capabilities		
Energy efficiency class F1  Energy efficiency class F1  Energy consumption 5.00 kWh/1000h  Type of protection IP20  Standards CC / LVD / EMC / SLR / ROHS / REACH  Photobiological safety group acc. to EN62778 RG0  Energy efficiency class (EEC) on a scale of A (highest efficiency) to G (lowest efficiency)  Fountry-specific categorizations  ILCOS DRBB/F-5,7-220-240-E14-38/110  ILCOS DRBB/F-5,7-220-240-E14-38/110  Order reference LEDCLB40 4,9W/8  COGISTICAL DATA  Temperature range at storage -20+80 °C  Integry tabelling regulation data acc EU 2019/2015  Lighting technology used LED  Non-directional or directional MLS  Light source cap-type (or other electric interface) E14  Connected light source (CLS) No  Color-tuneable light source (CLS) No  Color-tuneable light source (CLS) No  Envelope No  Anti-glare shield No  Correlated colour temperature type SINGLE_VALUE  Standby power 0.000 W	Product remark	
Energy efficiency class	Capabilities	
Energy efficiency class  Energy consumption  Sook Why1000h  Type of protection  IP20  Standards  CE / LVD / EMC / SLR / ROHS / REACH  Photobiological safety group acc. to EN62778  RG0  Energy efficiency class (EEC) on a scale of A (highest efficiency) to G (lowest efficiency)  Fountry-specific categorizations  ILCOS  DRBB/F-5,7-220-240-E14-38/110  Order reference  LEDCLB40 4,9W/8  COISTICAL DATA  Temperature range at storage  recregy labelling regulation data acc EU 2019/2015  Lighting technology used  LED  Non-directional or directional  MILS  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  OCO W	Dimmable	No
Energy consumption 5.00 kWh/1000h Type of protection IP20 Standards CE / LVD / EMC / SLR / ROHS / REACH Photobiological safety group acc. to EN62778 RG0  Energy efficiency class (EEQ) on a scale of A (highest efficiency) to G (lowest efficiency)  Country-specific categorizations  ILCOS DR8B/F-5,7-220-240-E14-38/110 Order reference LEDCLB40 4,9W/8  COGISTICAL 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) E14  Connected light source (CLS) No Color-tuneable light source (CLS) No Envelope No High luminance light source No Anti-glare shield No Correlated colour temperature type SINGLE_VALUE Standby power 0.00 W	Certificates & Standards	
Type of protection IP20  Standards CE / LVD / EMC / SLR / ROHS / REACH  Photobiological safety group acc. to EN62778 RG0  PRBP/F-5,7-220-240-E14-38/110  PRBB/F-5,7-220-240-E14-38/110  PRBB/F-5,7-20-240-E14-38/110  PRBB/F-5,7-220-240-E14-38/110  PRBB/F-5,7-220-240-E14-38/110  PRBB/F-5,7-220-240-E14-38/110  PRBB/F-5,7-220-240	Energy efficiency class	F <sup>1)</sup>
Standards CE / LVD / EMC / SLR / ROHS / REACH Photobiological safety group acc. to EN62778 RG0  Photopiological safety group acc. to EN62779 RG0	Energy consumption	5.00 kWh/1000h
Photobiological safety group acc. to EN62778  RG0  Photobiological safety group acc. to EN62778  Photobiological safety group acc. to EN68777  Photobiological safety group acc. to EN6877  Photobiological safety group acc. to EN6877	Type of protection	IP20
Energy efficiency class (EEC) on a scale of A (highest efficiency) to G (lowest efficiency)  Country-specific categorizations  ILCOS  DRBB/F-5,7-220-240-E14-38/110  Order reference  LEDCLB40 4,9W/8  OGISTICAL 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) 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 OGISTICAL DATA  DRBB/F-5,7-220-240-E14-38/110  DRBB/F-5,7-220-240-E14-38/110  EDCLB40 4,9W/8   CEDCLB40 4,9W/8  CEDCLB40 4,9W/8  CEDCLB40 4,9W/8  CEDCLB40 4,9W/8  CEDCLB40 4,9W/8  CEDCLB40 4,9W/8  CEDCLB40 4,9W/8  CEDCLB40 4,9W/8  CEDCLB40 4,9W/8  CEDCLB40 4,9W/8  CEDCLB40 4,9W/8  CEDCLB40 4,9W/8  CEDCLB40 4,9W/8  CEDCLB40 4,9W/8  CEDCLB40 4,9W/8  CEDCLB40 4,9W/8  CEDCLB40 4,9W/8  CEDCLB40 4,9W/8  CEDCLB40 4,9W/8  CEDCLB40 4,9W/8  CEDCLB40 4,9W/8  CEDCLB40 4,9W/8  CEDCLB40 4,9W/8  CEDCLB40 4,9W/8  CEDCLB40 4,9W/8  CEDCLB40 4,9W/8  CEDCLB40 4,9W/8  CEDCLB40 4,9W/8  CEDCLB40 4,9W/8  CEDCLB40 4,9W/8  CEDCLB40 4,9W/8  CEDCLB40 4,9W/8  CEDCLB40 4,9W/8  CEDCLB40 4,9W/8  CEDCLB40 4,9W/8  CEDCLB40 4,9W/8  CEDCLB40 4,9W/8  CEDCLB40 4,9W/8  CEDCLB40 4,9W/8  CEDCLB40 4,9W/8  CEDCLB40 4,9W/8  CEDCLB40 4,9W/8  CEDCLB40 4,9W/8  CEDCLB40 4,9W/8  CEDCLB40 4,9W/8  CEDCLB40 4,9W/8  CEDCLB40 4,9W/8  CEDCLB40 4,9W/8  CEDCLB40 4,9W/8  CEDCLB40 4,9W/8  CEDCLB40 4,9W/8  CEDCLB40 4,9W/8  CEDCLB40 4,9W/8  CEDCLB40 4,9W/8  CEDCLB40 4,9W/8  CEDCLB40 4,9W/8  CEDCLB40 4,9W/8  CEDCLB40 4,9W/8  CEDCLB40 4,9W/8  CEDCLB40 4,9W/8  CEDCLB40 4,9W/8  CEDCLB40 4,9W/8  CEDCLB40 4,9W/8  CEDCLB40 4,9W/8  CEDCLB40 4,9W/8  CEDCLB40 4,9W/8  CEDCLB40 4,9W/8  CEDCLB40 4,9W/8  CEDCLB40 4,9W/8  CEDCLB40 4,9W/8  CEDCLB40 4,9W/8  CEDCLB40 4,9W/8  CEDCLB40 4,9W/8  CEDCLB40 4,9W/8  CEDCLB40 4,9W/8  CEDCLB40 4,9W/8  CEDCLB4	Standards	CE / LVD / EMC / SLR / ROHS / REACH
ELCOS DRBB/F-5,7-220-240-E14-38/110 Order reference LEDCLB40 4,9W/8  OGISTICAL 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) E14  Connected light source (CLS) No  Color-tuneable light source (CLS) No  High luminance light source No  Anti-glare shield No  Correlated colour temperature type SINGLE_VALUE  Standby power 0,00 W	Photobiological safety group acc. to EN62778	RGO
ColSTICAL DATA  Temperature range at storage  -20+80 °C  Energy labelling regulation data acc EU 2019/2015  Lighting technology used  LED  Non-directional or directional  MLS  Mains or non-mains  Light source cap-type (or other electric interface)  E14  Connected light source (CLS)  No  Color-tuneable light source  Envelope  No  High luminance light source  Anti-glare shield  No  Correlated colour temperature type  Standby power  O-20+80 °C  LED  NDLS  MLS  LED  NDLS  MLS  E14  Connected Light source (CLS)  No  SINGLE_VALUE  SINGLE_VALUE		
Order reference  LEDCLB40 4,9W/8  OGISTICAL 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)  E14  Connected light source (CLS)  No  Color-tuneable light source  No  High luminance light source  Anti-glare shield  No  Correlated colour temperature type  Standby power  LED  NO  SINGLE_VALUE  Standby power	Country-specific categorizations	
ColSTICAL DATA  Temperature range at storage  -20+80 °C  Energy labelling regulation data acc EU 2019/2015  Lighting technology used  LED  Non-directional or directional  MLS  Mains or non-mains  Light source cap-type (or other electric interface)  E14  Connected light source (CLS)  No  Color-tuneable light source  Envelope  No  High luminance light source  Anti-glare shield  No  Correlated colour temperature type  Standby power  O-20+80 °C  LED  NDLS  MLS  LED  NDLS  MLS  E14  Connected Light source (CLS)  No  SINGLE_VALUE  SINGLE_VALUE		
Temperature range at storage -20+80 °C  Energy Labelling regulation data acc EU 2019/2015  Lighting technology used 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 Standby power  -20+80 °C  -20	Order reference	LEDCLB40 4,9W/8
Lighting technology used LED Non-directional or directional Mains or non-mains MLS Light source cap-type (or other electric interface) E14 Connected light source (CLS) No Color-tuneable light source Envelope No High luminance light source Anti-glare shield Correlated colour temperature type Standby power  LED  NDLS  NDLS  NDLS  NDLS  NDLS  NO  NO  S14  NO  S17  S17  S18  S18  S18  S18  S18  S18	LOGISTICAL DATA	
Lighting technology used  Non-directional or directional  Non-directional or directional  Mains or non-mains  MLS  Light source cap-type (or other electric interface)  E14  Connected light source (CLS)  No  Color-tuneable light source  No  High luminance light source  Anti-glare shield  No  Correlated colour temperature type  Standby power  LED  NDLS  NDLS  NDLS  NO  E14  NO  NO  SINGLE_VALUE  Standby power	Temperature range at storage	-20+80 °C
Non-directional or directional  Mains or non-mains  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  Anti-glare shield  No  Correlated colour temperature type  Standby power  No  NO  NO  Standby power	Energy labelling regulation data acc EU 2019/2015	
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  Anti-glare shield  Correlated colour temperature type  Standby power  MLS  MLS  E14  No  No  SINGLE_VALUE  0.00 W	Lighting technology used	LED
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  Correlated colour temperature type  Standby power  E14  No  No  No  OOO W	Non-directional or directional	NDLS
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  Standby power  O.00 W	Mains or non-mains	MLS
Color-tuneable light source  Envelope  No  High luminance light source  No  Anti-glare shield  No  Correlated colour temperature type  Standby power  O.00 W	Light source cap-type (or other electric interface)	E14
Envelope No High luminance light source No Anti-glare shield No Correlated colour temperature type SINGLE_VALUE Standby power 0.00 W	Connected light source (CLS)	No
High luminance light source  Anti-glare shield  No  Correlated colour temperature type  Single_value  Standby power  0.00 W	Color-tuneable light source	No
Anti-glare shield No  Correlated colour temperature type SINGLE_VALUE  Standby power 0.00 W	Envelope	No
Correlated colour temperature type SINGLE_VALUE  Standby power 0.00 W	High luminance light source	No
Standby power 0.00 W	Anti-glare shield	No
	Correlated colour temperature type	SINGLE_VALUE
Networked standby power for CLS 0.00 W	Standby power	0.00 W
	Networked standby power for CLS	0.00 W

Yes

October 12, 2023, 01:05:34 LED Classic B 40 4.9W 827 Frosted E14

Claim of equivalent power

Length	96.00 mm
Height	37.00 mm
Width	37.00 mm
Chromaticity coordinate x	0.4578
Chromaticity coordinate y	0.4101
R9 Colour rendering index	>0
Beam angle correspondence	SPHERE_360
Survival factor	0.90
EPREL ID	1403231,523316,1351514
Model number	AC31158

#### **DOWNLOAD DATA**

#### Documents and certificates



Declarations Of Conformity CE

## Photometric and lighting design files



Spectral power distribution

## **LOGISTICAL DATA**

Product code	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Gross weight	Volume
4058075157040	Folding box 2	36 mm x 71 mm x 145 mm	64.00 g	0.37 dm <sup>3</sup>
4058075157057	Shipping box 10	215 mm x 90 mm x 123 mm	351.00 g	2.38 dm <sup>3</sup>
4058075589704	Shipping box 6	128 mm x 82 mm x 120 mm	180.00 g	1.26 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.

## **DISCLAIMER**

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

October 12, 2023, 01:05:34 LED Classic B 40 4.9W 827 Frosted E14