OSRAM

PRODUCT DATASHEET
P CLAS B 40 FR 4.9 W/2700 K E14

PARATHOM® CLASSIC B DIM | Dimmable LED lamps, classic mini-candle shape

Areas of application

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

Product benefits

– Low energy consumption
– High color consistency thanks to narrow binning
– Easy replacement of classic lamps thanks to compact design

Product features

– Professional LED lamps for line voltage
– Dimmable (with many common dimmers, see also www.ledvance.com/dim)
– Lifetime up to 25,000 h
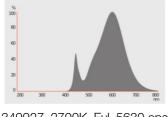– Good quality of light; color rendering index R_a: ≥ 80; constant chromaticity

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	30 mA
Type of current	AC
Inrush current	0.2 A
Operating frequency	50…60 Hz
Mains frequency	50…60 Hz
Max. lamp number on MCB B10 A	266
Max. lamp number on MCB B16 A	426
Total harmonic distortion	150 %
Power factor λ	> 0.70

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	0.70
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

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Light technical data

Beam angle	280 °
Warm-up time (60 %)	‹ 1.00 s
Starting time	< 0.5 s

Dimensions & Weight

Overall length	102.00 mm
Diameter	35.00 mm
Maximum diameter	35 mm
Product weight	22.00 g

Temperatures & operating conditions

Ambient temperature range	-20…+40 °C
Maximum temperature at tc test point	<95 °C

Lifespan

Lifespan L70/B50 at 25 °C	25000 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)	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 / In preparation

Capabilities

Dimmable	Yes

Certificates & Standards

Energy efficiency class	F [1]
Energy consumption	5.00 kWh/1000h
Type of protection	IP20
Standards	CE / ROHS / REACH / ERP
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	LEDPCLB40D 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)	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	102.00 mm
Height	35.00 mm

Width	35.00 mm
Chromaticity coordinate x	0.458
Chromaticity coordinate y	0.410
R9 Colour rendering index	1
Beam angle correspondence	SPHERE_360
Survival factor	0.90
Displacement factor	0.90
LED light source replaces a fluorescent light source	No
EPREL ID	523287
Model number	AC31129

DOWNLOAD DATA

	Photometric and lighting design files	Document name
	Spectral power distribution	349927_2700K_Evl_5630.eps

LOGISTICAL DATA

Product code	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Gross weight	Volume
4058075594265	Folding box 1	39 mm x 39 mm x 109 mm	36.00 g	0.17 dm³
4058075594272	Shipping box 10	205 mm x 87 mm x 123 mm	408.00 g	2.19 dm³

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 dimming conformity see www.ledvance.com/dim
– 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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