

PrevaLED Bar

Area and Bar Light Engines



Areas of application

- Offices
- Industry

Product benefits

- Rectangular shape (280 mm x 55 mm) to fit in various applications
- Reduced luminance thanks to three row LED layout
- Consistent white light (Standard Deviation of Color Matching SDCM: < 3)
- Compact control gear thanks to non-SELV system

Product features

- Available with luminous flux: 1,000 lm
- Available with color temperature: 3,000 K or 4,000 K
- Module efficacy: up to 112 lm/W
- Color rendering index R_a : 85
- Maximum temperature at t_c : 65 °C
- Lifetime (L80 B50): 60,000 h



Technical data

Electrical data

Product description	Nominal voltage	Nominal current	Rated wattage	Type of current
LEP -1000-830-B	95.00 V	0.11 A	10.80 W	DC
LEP -1000-840-B	95.00 V	0.10 A	9.80 W	DC

Product description	Energy consumption
LEP -1000-830-B	12 kWh/1000h
LEP -1000-840-B	11 kWh/1000h

Light technical data

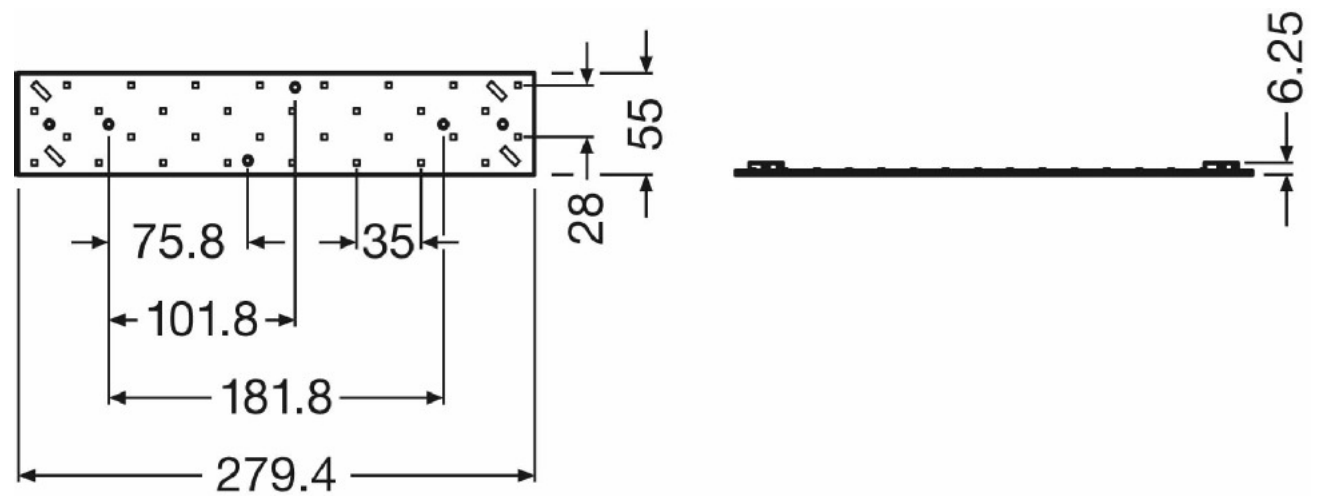
Product description	Color temperature	Color rendering group	Color rendering index Ra	Light color LED
LEP -1000-830-B	3000 K	1B	85	white
LEP -1000-840-B	4000 K	1B	85	white

Product description	Total useful luminous flux	Luminous efficacy	Beam angle	Standard deviation of color matching
LEP -1000-830-B	1000 lm	98 lm/W	120 °	≤3 sdcn
LEP -1000-840-B	1000 lm	112 lm/W	120 °	≤3 sdcn

Dimensions & weight

Product description	Length	Width	Height
LEP -1000-830-B	280.0 mm	55.0 mm	4.1 mm
LEP -1000-840-B	280.0 mm	55.0 mm	4.1 mm

Produkt Strichzeichnungen (vermasst)



Product line drawing
LEP -1000-830-B | LEP -1000-840-B

Temperatures

Product description	Maximum temperature at tc test point
LEP -1000-830-B	75 °C
LEP -1000-840-B	75 °C

Lifespan

Product description	Lifespan
LEP -1000-830-B	60000 h ¹⁾
LEP -1000-840-B	60000 h ¹⁾

¹⁾ L80/B50 at Tc 65 °C

Additional product data

Product description	Number of LEDs per module
LEP -1000-830-B	32
LEP -1000-840-B	32

Product family datasheet

Capabilities

Product description	Dimmable
LEP -1000-830-B	Yes
LEP -1000-840-B	Yes

Certificates & standards

Product description	Energy efficiency class	Standards
LEP -1000-830-B	A+	acc. to EC 61347-2-13/acc. to EN 55015/acc. to IEC 61547/acc. to IEC 61000-3-2/acc. to ENEC 61347-2-13/acc.to IEC/EN 62384
LEP -1000-840-B	A+	acc. to EC 61347-2-13/acc. to EN 55015/acc. to IEC 61547/acc. to IEC 61000-3-2/acc. to ENEC 61347-2-13/acc.to IEC/EN 62384

Country specific categorizations

Product description
LEP -1000-830-B
LEP -1000-840-B

Equipment / Accessories

- Plug connection for 0.5 mm² cables

Application advice

For more detailed application information and graphics please see product datasheet.

Sales and Technical Support

Sales and Technical Support www.osram.com

Download Data

File
 Product Datasheet

Product family datasheet

	PrevaLED Bar (EN)
	CAD data 3-dim PREVALED BAR LEP 1000 B CUSTOMER FILE_STEP
	CAD data 3-dim PREVALED BAR LEP 1000 B CUSTOMER FILE_IGS
	CAD data PDF PREVALED BAR 2D_PDF
	Eulumdat PrevaLED Bar LEP-1000-830-B preliminary LDT
	Eulumdat PrevaLED Bar LEP-1000-840-B_preliminary_LDT

Logistical Data

Product code	Product description	Packaging unit (Pieces/Unit)	Dimensions (height x width x length)	Volume	Gross weight
4008321852335	LEP -1000-830-B	Shipping carton box 8	- x - x -		
4008321852359	LEP -1000-840-B	Shipping carton box 8	- x - x -		

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.