

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



Product family datasheet

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 |

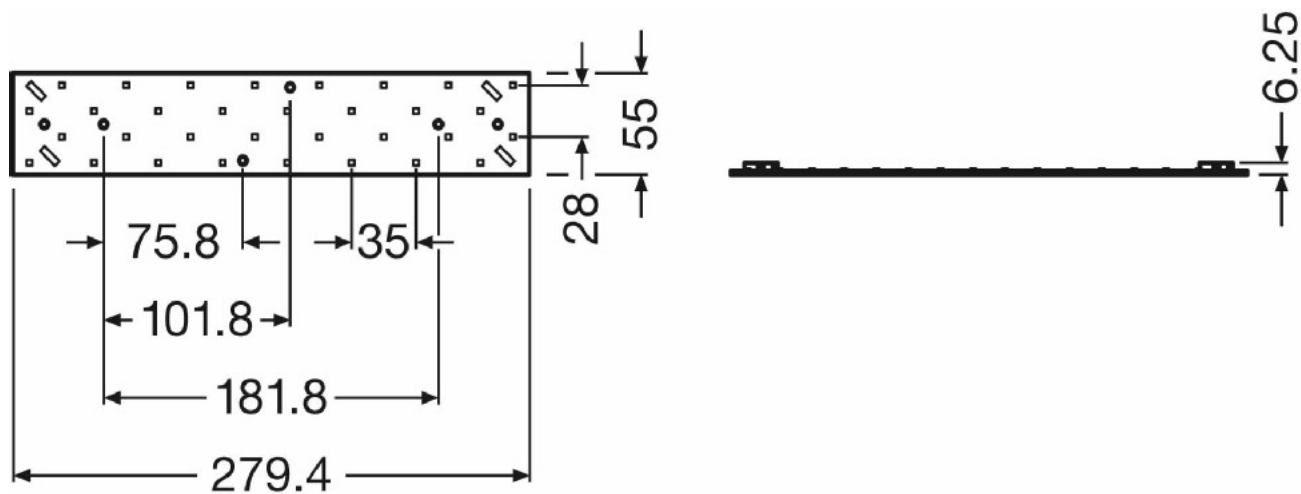
| Product description | Total useful luminous flux | Luminous efficacy | Beam angle | Standard deviation of color matching |
|---------------------|----------------------------|-------------------|------------|--------------------------------------|
| LEP -1000-830-B | 1000 lm | 98 lm/W | 120 ° | ≤3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

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 family datasheet



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.