

## PRODUKTDATENBLATT

### PFLZ1-LIN -1100-830-20x281x40

PrevaLED® Flex Linear | Lineare Light Engines



#### Anwendungsgebiete

- Offices
- Industry

#### Produktvorteile

- Flexible, ultra-thin substrate for customized luminaire design
- High flexibility due to cutting possibility each 93.3 mm
- Simplified storage due to module on reel
- Self-cooling, no additional heat sink required
- Minimum bending radius of 150 mm for use in curved luminaires
- SELV module for easy luminaire design
- Consistent white light, SDCM (Standard Deviation of Color Matching): 3
- Easy mounting and assembly

#### Produkteigenschaften

- Module efficacy: up to 153 lm/W
- Luminous flux: 1,100 lm at 281 mm length



- Dimensions (reel in total): 5,600 mm x 40 mm
- Available with color temperature: 3,000 K, 3,500 K, 4,000 K or 5,000 K
- Color rendering index  $R_a$ : > 80
- Average lifetime (L80 B10): 50,000 h (temperature at  $T_c = 45$  °C)
- Geometry according to Zhaga Book 7 L28W4
- CE marked

## TECHNISCHE DATEN

### Elektrische Daten

Nennleistung	7,41 W
Bemessungsleistung	7.41 W
Nennspannung	28.5 V
Eingangsspannungsbereich	27...31 V
Stromart	Gleichspannung (DC)
Nennstrom	260 mA

### Photometrische Daten

Nutzbarer Gesamtlichtstrom	1100 lm
Lichtausbeute	153 lm/W
Lichtstrom	550 lm
Lichtstärke	575 cd
Nennnutzlichtstrom 120°	1100 lm
Farbtemperatur	3000 K
Farbwiedergabeindex Ra	80
Lichtfarbe LED	Weiß
Lichtfarbe (Bezeichnung)	Weiß
Standardabweichung des Farbabgleichs	≤3 sdc
Bemessungsspitzenlichtstärke	575 cd
Lichtstromerhalt am Ende der Nennlebensdauer	0.80

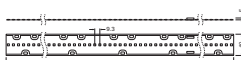
### Lichttechnische Daten

Ausstrahlungswinkel	115 °
Bemessungshalbwertswinkel	115.00 °
Startzeit	< 0.1 s
Aufwärmzeit (60 %)	< 1.00 s

### LED MODULE INFORMATION

Anzahl LED je Modul	600
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### Maße & Gewicht



Länge	5620.00 mm
Breite	40.00 mm
Breite (einschließlich runde Leuchten)	40.00 mm
Höhe	0.50 mm
Länge (einschließlich runde Leuchten)	0.50 mm
Produktgewicht	133,00 g

### Temperaturen & Betriebsbedingungen

Umgebungstemperaturbereich	-20...+45 °C
Maximale Temperatur am Messpunkt tc	75 °C
Betriebstemperaturbereich	-20...+45 °C
Betriebstemperatur nach IEC 62717	45 °C

### Lebensdauer

Anzahl der Schaltzyklen	25000
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### Einsatzmöglichkeiten

Dimmbar	Ja
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### Zertifikate & Standards

Normen	CE / ENEC
Schutzart	IP20
Energieverbrauch	8.03 kWh/1000h
Energieeffizienzklasse	A++

### LOGISTISCHE DATEN

Lagertemperaturbereich	-30...+85 °C
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### Daten gemäß der Verordnung zur Energieverbrauchskennzeichnung EU 2019/2015

Ähnliche Farbtemperatur	SINGLE_VALUE
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### TECHNISCHE AUSSTATTUNG




- Perfectly matched to non-isolated OPTOTRONIC electronic control gears

### ZUSÄTZLICHE PRODUKTINFORMATIONEN



- Please see the relevant application guides and instructions sheets for more detailed safety and mounting information. Additional information is available on request.
- For safety reasons the LED light engine must not be operated if the housing is damaged.
- The LED engine needs to be built into a luminaire.
- Complies with IEC/EN 60598-1
- Complies with IEC/EN 62031
- Complies with IEC/EN 61547
- Complies with IEC/EN 61000-3-2
- Complies with EN 55015, CISPR 15
- Complies with IEC/EN 62717
- Do not look directly or with optical aids into the light source (complies with IEC/EN 62471, risk group RG II).
- Do not look directly or with optical aids into the light source (complies with IEC/EN 62471, risk group RG III).
- Not suitable for operation with line voltage.
- Electrical contact is achieved with the contact cables or the terminals of the module. Please refer to the technical data for maximum number of LED modules that can be operated on one control gear.
- In order to operate OSRAM LED modules safely, it is absolutely necessary to operate them with an electronically stabilized power supply that protects against short circuits, overload and overheating.
- In case other power supplies than OSRAM OPTOTRONIC are used, compliance to the necessary operating parameters (voltage, current, power) has to be ensured.
- Pay attention to polarity! Wrong polarity can cause destruction or malfunction of the module.
- ESD precautions have to be observed for mounting.
- The LED module itself and all its components must not be stressed mechanically.
- The module must not be attached to wood or other flammable materials.
- Operation in or under water is prohibited.
- Protect against splashes!
- The LED modules must not be operated in damp conditions without housing. Hence the LED module has to be protected by suitable housings.
- The module, as manufactured, has no inherent protection against corrosion. It is the user's responsibility to provide suitable protection against corrosive agents, such as moisture, condensation and other harmful elements.
- To avoid mechanical damage, the LED modules have to be attached securely to the intended mounting surface. It is recommended to avoid heavy vibration.
- In case that the LED module is equipped with a pre-mounted double-sided adhesive tape, OSRAM assumes no liability and provides no guarantee for a permanent adherence of the modules to the surface. OSRAM recommends fixation of the modules by means of suitable screws.

**DOWNLOADS**

DOWNLOADS	
	PRODUKTDATENBLATT 664215_Product Datasheet - PFLZ-LIN-1100
	Certificates 660934_UL conformity - PFLZ1-LIN-1100
	Declarations of conformity 660937_Declarations of conformity PLFZ1-LIN

**VERPACKUNGSMITTEL**

EAN	Verpackungseinheit (Stück pro Einheit)	Abmessungen (Länge x Breite x Höhe)	Bruttogewicht	Volumen
4052899938137	Faltschachtel 1	353 mm x 349 mm x 61 mm	804.00 g	7.52 dm <sup>3</sup>

EAN	Verpackungseinheit (Stück pro Einheit)	Abmessungen (Länge x Breite x Höhe)	Bruttogewicht	Volumen
4052899938199	Versandschachtel 8	518 mm x 366 mm x 367 mm	5766.00 g	69.58 dm <sup>3</sup>

Die genannten Produktnummern beschreiben die kleinste bestellbare Mengeneinheit. Eine Versandeinheit kann mehrere Einzelprodukte beinhalten. Als Bestellmenge verwenden Sie bitte das Ein- oder Mehrfache einer Versandeinheit.

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### Referenzen / Verweise

- Mehr Information zur mehrstufigen Garantie und die gesamten Garantiebedingungen finden Sie im Internet unter [www.ledvance.de/systemgarantie](http://www.ledvance.de/systemgarantie)

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### Haftungsausschluss

Änderungen und Irrtümer vorbehalten. Vergewissern Sie sich, dass Sie immer den neuesten Stand verwenden.

