

PRODUKTDATENBLATT PLFZ1-LIN -4400-840-4FT-DC

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 | 34,00 W |
| Bemessungsleistung | 34.00 W |
| Nennspannung | 133 V |
| Stromart | Gleichspannung (DC) |
| Nennstrom | 250 mA |

Photometrische Daten

| | |
|--|---------------|
| Nutzbarer Gesamtlichtstrom | 4400 lm |
| Lichtausbeute | 133 lm/W |
| Lichtstrom | 4400 lm |
| Lichtstärke | 325 cd |
| Nennnutzlichtstrom 120° | 4400 lm |
| Farbtemperatur | 4000 K |
| Farbwiedergabeindex Ra | 80 |
| Lichtfarbe LED | Weiß |
| Lichtfarbe (Bezeichnung) | Neutral White |
| Standardabweichung des Farbgleichs | ≤4 sdc |
| Bemessungsspitzenlichtstärke | 325 cd |
| Lichtstromerhalt am Ende der Nennlebensdauer | 0.80 |

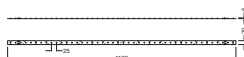
Lichttechnische Daten

| | |
|---------------------------|----------|
| Ausstrahlungswinkel | 120 ° |
| Bemessungshalbwertswinkel | 120.00 ° |
| Startzeit | < 0.1 s |
| Aufwärmzeit (60 %) | < 2.00 s |

LED MODULE INFORMATION

| | |
|---------------------|----|
| Anzahl LED je Modul | 44 |
|---------------------|----|

Maße & Gewicht



| | |
|--|----------|
| Länge | 1120 mm |
| Breite | 20.00 mm |
| Breite (einschließlich runde Leuchten) | 20.00 mm |
| Höhe | 6.00 mm |
| Länge (einschließlich runde Leuchten) | 6.00 mm |
| Produktgewicht | 59,00 g |

Temperaturen & Betriebsbedingungen

| | |
|-------------------------------------|--------------|
| Umgebungstemperaturbereich | -20...+80 °C |
| Maximale Temperatur am Messpunkt tc | 80 °C |
| Betriebstemperaturbereich | -20...80 °C |
| Betriebstemperatur nach IEC 62717 | 55 °C |

Lebensdauer

| | |
|-------------------------|--------|
| Anzahl der Schaltzyklen | 100000 |
|-------------------------|--------|

Einsatzmöglichkeiten

| | |
|---------|----|
| Dimmbar | Ja |
|---------|----|

Zertifikate & Standards

| | |
|------------------------|-----------------|
| Normen | CE / ENEC / EAC |
| Energieverbrauch | 37.51 kWh/1000h |
| Energieeffizienzklasse | A+ |

LOGISTISCHE DATEN

| | |
|------------------------|-------------|
| Lagertemperaturbereich | -35...85 °C |
|------------------------|-------------|

Daten gemäß der Verordnung zur Energieverbrauchskennzeichnung EU 2019/2015

| | |
|-------------------------|--------------|
| Ähnliche Farbtemperatur | SINGLE_VALUE |
|-------------------------|--------------|

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 616304_Product datasheet (GB) |
|  | Certificates 616248_EAC certificate |
|  | Declarations of conformity 616249_Declaration of conformity (GB) |
|  | CAD data 3-dim 616301_PLFZ1-LIN-4400-840-4FT_STEP file |
|  | LDT file (Eulumdat) 616300_PLFZ1-LIN-4400-840-4FT_Eulumdat file |

VERPACKUNGSINFORMATIONEN

| EAN | Verpackungseinheit (Stück pro Einheit) | Abmessungen (Länge x Breite x Höhe) | Bruttogewicht | Volumen |
|-----|--|-------------------------------------|---------------|---------|
|-----|--|-------------------------------------|---------------|---------|



| EAN | Verpackungseinheit (Stück pro Einheit) | Abmessungen (Länge x Breite x Höhe) | Bruttogewicht | Volumen |
|---------------|--|-------------------------------------|---------------|-----------------------|
| 4052899946026 | Unverpackt 1 | | | |
| 4052899946057 | Versandschachtel 40 | 1,157 mm x 265 mm x 151 mm | 4097.00 g | 46.30 dm ³ |

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.

Referenzen / Verweise

- Mehr Information zur mehrstufigen Garantie und die gesamten Garantiebedingungen finden Sie im Internet unter www.ledvance.de/systemgarantie

Haftungsausschluss

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