

PL-LIN-Z6 275-930 70X20-LV

PrevaLED Linear G6 CRI90 | Linear Light Engines



Product family features

- Module efficacy: up to 173 lm/W
- Available with luminous flux: 245 lm on 62 mm, 275 lm on 70 mm
- Available with luminous flux: 1,100 lm or 2,000 lm on 280 mm
- Available with luminous flux: 2,200 lm or 4,000 lm on 560 mm
- Color rendering index: > 90
- High initial color consistency: ≤ 3 SDCM
- Average lifetime (L80 B50): > 70,000 h (temperature at $T_c = 50^\circ\text{C}$)
- CE marked, ENEC certified; UL listed

Product family benefits

- Slim luminaire design by small and flexible form factor
- High homogeneity thanks to small LED pitch
- High voltage (HV) optimized for non-isolated, low voltage (LV) optimized for SELV operation
- Adjustable luminous flux, efficacy and lifetime
- Direct the light where it's needed while using PrevaLED Linear Optics

Areas of application

- Office
- Industry



Technical data

Electrical data

| | |
|-------------------------------|---------------|
| Nominal voltage | 23.8 V |
| Nominal current | 0.075 A |
| Type of current | DC |
| On-mode power | 1.90 W |
| Energy consumption in on-mode | 1.9 kWh/1000h |

Photometrical data

| | |
|--|----------|
| Luminous efficacy | 145 lm/W |
| Color rendering index Ra | 90 |
| Correlated color temperature CCT | 3000 K |
| Colour consistency (McAdam ellipses) | 3 |
| Useful luminous flux (Φ_{use}) | 258 lm |

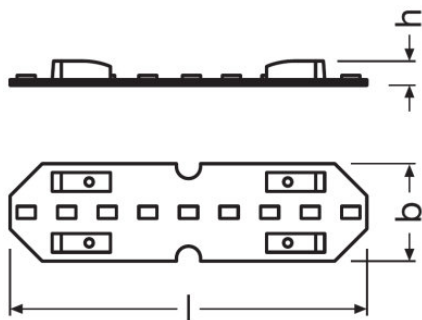
Light technical data

| | |
|---------------------|----------|
| Starting time | < 0.1 s |
| Warm-up time (60 %) | < 2.00 s |

LED module information

| | |
|---------------------------|---|
| Number of LEDs per module | 9 |
|---------------------------|---|

Dimensions & weight



| | |
|----------------|---------|
| Product weight | 5.00 g |
| Height | 5.0 mm |
| Length | 70.0 mm |
| Width | 20.0 mm |

Temperatures & operating conditions

| | |
|--|--------------|
| Performance temp. acc. to IEC 62717 | 50 °C |
| Temperature range in operation at Tc point | -20...75 °C |
| Maximum temperature at tc test point | 75 °C |
| Temperature range at storage | -30...85 °C |
| Ambient temperature range | -20...+75 °C |

Lifespan

| | |
|------------------------------|----------|
| Number of switching cycles | 100000 |
| Lumen maintenance factor LMF | 96 |
| L70B50 lifetime | 100000 h |

Additional product data

| | |
|--------------------------|-----|
| Lighting technology used | LED |
|--------------------------|-----|

Certificates & standards

| | |
|-------------------------|-------------|
| Standards | CE/ENEC/VDE |
| Type of protection | IP20 |
| Energy efficiency class | E |

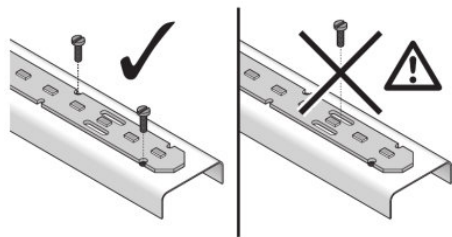
Logistical data

| | |
|----------------|-------------|
| Commodity code | 85414100000 |
|----------------|-------------|

Environmental information

| | |
|---|------------------------------------|
| Information according Art. 33 of EU Regulation (EC) 1907/2006 (REACH) | |
| Date of Declaration | 18-04-2022 |
| Primary Article Identifier | 4052899607989 |
| Candidate List Substance 1 | No declarable substances contained |
| Declaration No. in SCIP database | No declarable substances contained |

Product datasheet






PL LIN G5 G6 Mounting Guidance 251021

Additional product information

- When parallel wiring, tolerance-related differences in output are possible and may cause deviations in brightness.

Download Data

| File | |
|---|---|
|  | Certificates PL ENEC 40031612 250723 |
|  | Declarations of conformity PL LIN Z6 CE 3812352 090823 |
|  | CAD data 3-dim PL LIN Z6 275 70x20 LV CADPDF 220819 |

Ecodesign regulation information:

Separate control gear and light sources must be disposed of at certified disposal companies in accordance with Directive 2012/19/EU (WEEE) in the EU and with Waste Electrical and Electronic Equipment (WEEE) Regulations 2013 in the UK. For this purpose, collection points for recycling centres and take-back systems (CRSO) are available from retailers or private disposal companies, which accept separate control gear and light sources free of charge. In this way, raw materials are conserved and materials are recycled.

Logistical Data

| Product code | Product description | Packaging unit (Pieces/Unit) | Dimensions (length x width x height) | Volume | Gross weight |
|---------------|----------------------------|------------------------------|--------------------------------------|----------------------|--------------|
| 4052899607989 | PL-LIN-Z6 275-930 70X20-LV | Shipping carton box 60 | 290 mm x 172 mm x 95 mm | 4.74 dm ³ | 466.00 g |

Product datasheet

Logistical Data

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.