

## PL-LIN-Z2 1100-8TW 280-LV/1A4

PrevaLED Linear TW G2 | Linear Light Engines



### Product family features

- Module efficacy: up to 170 lm/W with 2,700K
- Module efficacy: up to 190 lm/W with 6,500K
- Available module length: 62 mm, 280 mm, 560 mm
- Available with luminous flux: 245 lm, 1,100 lm and 2,200 lm
- Color temperature range: 2,700...6,500 K
- Color rendering index Ra: >80 and >90
- Initial color consistency:  $\leq 3$  SDCM
- Average lifetime (L80 B50): up to 70,000 h (temperature at  $T_c = 55^\circ\text{C}$ )

### Product family benefits

- Tunable White by adjustable colour temperature from 2,700 K to 6,500 K
- SELV or non-isolated LED Module with perfect match to Optotronic TW driver
- Cut out area for shadow-free wiring
- High homogeneity thanks to small LED pitch

### Areas of application

- Offices
- Education
- Healthcare



Technical data

Electrical data

|                               |               |
|-------------------------------|---------------|
| Nominal voltage               | 520 V         |
| Nominal current               | 11 A          |
| Type of current               | DC            |
| On-mode power                 | 6.30 W        |
| Energy consumption in on-mode | 6.3 kWh/1000h |

Photometrical data

|                                       |             |
|---------------------------------------|-------------|
| Luminous efficacy                     | 171190 lm/W |
| Color rendering index Ra              | 80          |
| Correlated color temperature CCT      | 6500 K      |
| Colour consistency (McAdam ellipses)  | 3           |
| Useful luminous flux ( $\Phi_{use}$ ) | 1081 lm     |

Light technical data

|                     |         |
|---------------------|---------|
| Beam angle          | 0 °     |
| Starting time       | < 01 s  |
| Warm-up time (60 %) | < 200 s |

LED module information

|                           |    |
|---------------------------|----|
| Number of LEDs per module | 48 |
|---------------------------|----|

Dimensions & weight

|                |          |
|----------------|----------|
| Product weight | 2000 g   |
| Height         | 5.0 mm   |
| Length         | 280.0 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 |
|----------------------------|--------|

Product datasheet

|                              |         |
|------------------------------|---------|
| Lumen maintenance factor LMF | 96      |
| L70B50 lifetime              | 50000 h |

Additional product data

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

Capabilities

|          |     |
|----------|-----|
| Dimmable | Yes |
|----------|-----|

Certificates & standards

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



Logistical data

|                |             |
|----------------|-------------|
| Commodity code | 85395100000 |
|----------------|-------------|

Environmental information

| Information according Art. 33 of EU Regulation (EC) 1907/2006 (REACH) |                                    |
|---|------------------------------------|
| Date of Declaration   | 18-04-2022                         |
| Primary Article Identifier  | 4052899618527                      |
| Candidate List Substance 1  | No declarable substances contained |
| Declaration No. in SCIP database                                      | No declarable substances contained |

Download Data

| File  |  |
|---|--|
|  | Certificates<br>PL ENEC 40031612 250723                      |
|  | Declarations of conformity<br>PL LIN Z2 TW CE 4227114 141220 |

## Product datasheet

### 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 |
|---------------|----------------------------------|------------------------------|--------------------------------------|-----------------------|--------------|
| 4052899618527 | PL-LIN-Z2 1100-8TW<br>280-LV/1A4 | Shipping carton box<br>60    | 303 mm x 254 mm x 167 mm             | 12.85 dm <sup>3</sup> | 1566.00 g    |

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.