

## PL-LIN-Z5 2000-840 280X20-LV/HV

PrevaLED Linear G5 | Linear Light Engines



### Product family features

- Module efficacy: up to 193 lm/W
- Available with luminous flux: 275 lm on 70 mm
- Available with luminous flux: 1,100 lm or 2,000 lm on 280 mm
- Available with luminous flux: 2,000 lm, 4,000 lm on 560 mm
- Available with luminous flux: 4,400 lm on 1,120 mm
- Available with luminous flux: 5,500 lm on 1,400 mm
- Available with color temperature: 3,000 K, 4,000 K or 6,500 K
- High initial color consistency:  $\leq 3$  SDCM
- Average lifetime (L80 B50):  $> 70,000$  h (temperature at  $T_c = 50$  °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) for serial connection
- Low voltage (LV) for parallel connection
- 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



## Product datasheet

### Technical data

#### Electrical data

|                               |                |
|-------------------------------|----------------|
| Nominal voltage               | 43.1 V         |
| Nominal current               | 0.275 A        |
| Type of current               | DC             |
| On-mode power                 | 12.2 W         |
| Energy consumption in on-mode | 12.2 kWh/1000h |

#### Photometrical data

|                                       |          |
|---------------------------------------|----------|
| Luminous efficacy                     | 175 lm/W |
| Color rendering index Ra              | >80      |
| Correlated color temperature CCT      | 4000 K   |
| Colour consistency (McAdam ellipses)  | 3        |
| Useful luminous flux ( $\Phi_{use}$ ) | 2072 lm  |

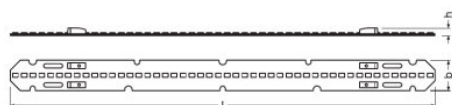
#### Light technical data

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

#### LED module information

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

#### Dimensions & weight



|                |         |
|----------------|---------|
| Product weight | 20.00 g |
| Height         | 5 mm    |
| Length         | 280 mm  |
| Width          | 20 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           |
| Predecessor EAN          | 4052899989450 |

### Certificates & standards

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

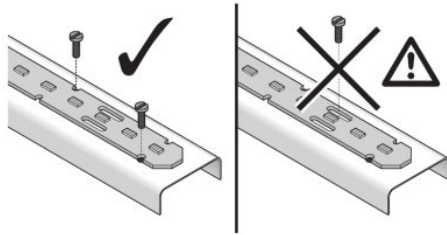
### Logistical data

|                |              |
|----------------|--------------|
| Commodity code | 854141000000 |
|----------------|--------------|

### Environmental information




|  |                                    |
|--|------------------------------------|
| <b>Information according Art. 33 of EU Regulation (EC) 1907/2006 (REACH)</b> |                                    |
| Date of Declaration  | 18-04-2022                         |
| Primary Article Identifier   | 4052899607163                      |
| 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

### Download Data

| File  |  |
|---|--|
|    | Certificates<br>PL ENEC 40031612 250920                        |
|  | Declarations of conformity<br>PL LIN Z5 CE 3812250 200820      |
|  | CAD data 3-dim<br>PL LIN Z5 Z6 2000 280x20 LV HV CADPDF 240220 |

### 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 |
|---------------|------------------------------------|------------------------------|--------------------------------------|-----------------------|--------------|
| 4052899607163 | PL-LIN-Z5 2000-840<br>280X20-LV/HV | Shipping carton box<br>60    | 592 mm x 252 mm x 100 mm             | 14.92 dm <sup>3</sup> | 1632.00 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.

## Product datasheet

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### Disclaimer

Subject to change without notice. Errors and omission excepted. Always make sure to use the most recent release.