

## PRODUCT DATASHEET

### PL-LIN-Z6 2000-840 280X20-LV/HV

PrevaLED® Linear G6 | Linear Light Engines



#### Areas of application

- Office
- Industry

#### Product 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

#### Product features

- Module efficacy: up to 206 lm/W
- Available with luminous flux: 245 lm on 62 mm, 275 lm on 70 mm
- Available with luminous flux: 550 lm on 140 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
- Available with color temperature: 2,700K, 3,000 K, 4,000 K, 5,000 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

## TECHNICAL DATA

### Electrical data

|                      |         |
|----------------------|---------|
| Nominal wattage      | 10.60 W |
| Construction wattage | 10.60 W |
| Nominal voltage      | 42.7 V  |
| Type of current      | DC      |
| Nominal current      | 0.25 A  |

### Photometrical data

|                                         |               |
|-----------------------------------------|---------------|
| Luminous efficacy                       | 190 lm/W      |
| Luminous flux                           | 1996 lm       |
| Luminous intensity                      | 645 cd        |
| Nom. useful luminous flux 120° [PICOS]  | 2000 lm       |
| Color temperature                       | 4000 K        |
| Color rendering index Ra                | > 80          |
| Light color LED                         | White         |
| Light color (designation)               | Neutral White |
| Standard deviation of color matching    | 3 sdcn        |
| Rated peak intensity                    | 645 cd        |
| Lumen main.fact.at end of nom.life time | 0.80          |

### Light technical data

|                                    |          |
|------------------------------------|----------|
| Beam angle                         | 120 °    |
| Rated beam angle (half peak value) | 120.00 ° |
| Starting time                      | < 0.1 s  |
| Warm-up time (60 %)                | < 2.00 s |

## LED MODULE INFORMATION

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

## Dimensions & Weight



|                |           |
|----------------|-----------|
| Length         | 280.00 mm |
| Width          | 20.00 mm  |
| Height         | 5.00 mm   |
| Product weight | 20.00 g   |

### Temperatures & operating conditions

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

### Lifespan

|                            |         |
|----------------------------|---------|
| Nominal lamp life time     | 50000 h |
| Number of switching cycles | 100000  |

### Certificates & Standards

|                                        |                 |
|----------------------------------------|-----------------|
| Standards                              | CE / ENEC / VDE |
| Type of protection                     | IP20            |
| Energy consumption                     | 10.70 kWh/1000h |
| Energy efficiency class                | C               |
| Energy class of contained light source | C               |

### LOGISTICAL DATA

|                              |             |
|------------------------------|-------------|
| Temperature range at storage | -30...85 °C |
|------------------------------|-------------|

### Energy labelling regulation data acc EU 2019/2015

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

### DOWNLOAD DATA

| Documents and certificates                                                         |                            | Document name                          |
|------------------------------------------------------------------------------------|----------------------------|----------------------------------------|
|  | Declarations of conformity | EU Declaration of conformity PL LIN Z6 |
|  | Certificates               | 685711_ENEC CUBE G3                    |

### LOGISTICAL DATA

| Product code  | Packaging unit (Pieces/Unit) | Dimensions (length x width x height) | Gross weight | Volume    |
|---------------|------------------------------|--------------------------------------|--------------|-----------|
| 4052899606135 | Unpacked<br>1                |                                      |              |           |
| 4062172214711 | Shipping box<br>60           | 592 mm x 252 mm x 100 mm             | 1632.00 g    | 14.92 dm³ |

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.