

PL-LIN-Z5 4000-840 560X20-HV

PrevaLED Linear G5 | Linear Light Engines



Areas of application

- Office
- Industry

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) for non-isolated, low voltage (LV) for SELV operation
- Adjustable luminous flux, efficacy and lifetime
- Direct the light where it's needed while using PrevaLED Linear Optics



Product datasheet

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: ≤ 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 voltage | 86.2 V |
| Nominal current | 0.275 A |
| Nominal wattage | 23.70 W |
| Rated wattage | 23.70 W |
| Type of current | DC |

Photometrical data

| | |
|--------------------------------------|----------|
| Light color LED | White |
| Luminous efficacy | 175 lm/W |
| Standard deviation of color matching | ≤3 sdcn |
| Color temperature | 4000 K |
| Color rendering index Ra | >80 |
| Rated peak intensity | 1319 cd |
| Nom. useful luminous flux 120° | 4000 lm |
| Rated useful luminous flux 120° | 4156 lm |
| Total useful luminous flux | 4156 lm |

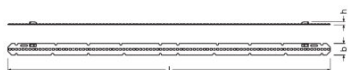
Light technical data

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

LED module information

| | |
|---------------------------|----|
| Number of LEDs per module | 96 |
|---------------------------|----|

Dimensions & weight



| | |
|-----------------------|----------|
| Product weight | 40.00 g |
| Length | 560.0 mm |
| Width | 20.0 mm |
| Height | 5.0 mm |

Temperatures & operating conditions

| | |
|---|--------------|
| Performance temp. acc. to IEC 62717 | 50 °C |
| Temperature range in operation at Tc point | -25...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 |
| Rated lamp life time | 50000 h |
| Lumen main.fact.at end of nom.life time | 0.80 |
| Nominal lamp life time | 50000 h |

Capabilities

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

Certificates & standards

| | |
|--------------------------------|--------------|
| Energy consumption | 24 kWh/1000h |
| Energy efficiency class | A++ |
| Standards | CE/ENEC/VDE |
| Type of protection | IP20 |

Product datasheet








Logistical data

| | |
|----------------|--------------|
| Commodity code | 854370909900 |
|----------------|--------------|



Guarantee

Download Data

| File | |
|---|---|
|  | User instruction PrevaLED Linear G5 G6 |
|  | Product Datasheet PL LIN G5 DS 190220 (EN) |
|  | Certificates PL BA ENEC 40031612 161219 |
|  | Declarations of conformity PL LIN Z5 CE 3812352 290719 |
|  | Declarations of conformity EU Declaration of conformity PL-LIN-Z4 family |
|  | Declarations of conformity Declaraton of conformity PL-LIN-Z4 |
|  | CAD data 3-dim PL LIN Z5 Z6 4000 560x20 HV CADPDF 240220 |

Logistical Data

| Product code | Product description | Packaging unit (Pieces/Unit) | Dimensions (length x width x height) | Volume | Gross weight |
|---------------|---------------------------------|------------------------------|--------------------------------------|-----------------------|--------------|
| 4052899607286 | PL-LIN-Z5 4000-840 560X20-HV | Shipping carton box 120 | 588 mm x 380 mm x 125 mm | 27.93 dm ³ | 5347.00 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

Disclaimer

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