

PL-LIN-Z5 2000-830 280X20-LV/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	43.1 V
Nominal current	0.275 A
Nominal wattage	11.80 W
Rated wattage	11.80 W
Type of current	DC

Photometrical data

Light color LED	White
Luminous efficacy	165 lm/W
Standard deviation of color matching	≤3 sdcn
Color temperature	3000 K
Color rendering index Ra	>80
Rated peak intensity	625 cd
Nom. useful luminous flux 120°	2000 lm
Rated useful luminous flux 120°	1963 lm
Total useful luminous flux	1963 lm

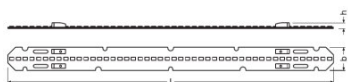
Light technical data

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	72
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Dimensions & weight



Product weight	20.00 g
Length	280.0 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	-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
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
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Certificates & standards





Energy consumption	12 kWh/1000h
Energy efficiency class	A++
Standards	CE/ENEC/VDE
Type of protection	IP20

Product datasheet

Logistical data

Commodity code	854140100000
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Download Data

File
 Product Datasheet PL LIN G5 DS 190220 (EN)
 Certificates PL BA ENEC 40031612 161219
 Declarations of conformity PL LIN Z5 CE 3812352 290719
 CAD data 3-dim PL LIN Z5 Z6 2000 280x20 LV HV CADPDF 240220

Logistical Data

Product code	Product description	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Volume	Gross weight
4052899607156	PL-LIN-Z5 2000-830 280X20-LV/HV	Shipping carton box 240	588 mm x 380 mm x 125 mm	27.93 dm ³	5377.00 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.