

PRODUCT DATASHEET

PL-LIN-Z6 1100-840 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: ≤ 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	5.90 W
Construction wattage	5.90 W
Nominal voltage	23.6 V
Type of current	DC
Nominal current	0.25 A

Photometrical data

Luminous efficacy	196 lm/W
Luminous flux	1142 lm
Luminous intensity	367 cd
Nom. useful luminous flux 120° [PICOS]	1100 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
Photobiological safety group acc. to EN62778	RG1
Rated peak intensity	367 cd
Lumen main.fact.at end of nom.life time	0.80

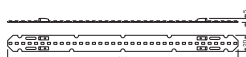
Light technical data

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	36
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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	5.90 kWh/1000h
Energy efficiency class	C
Energy class of contained light source	C

LOGISTICAL DATA

Temperature range at storage	-30...85 °C
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Energy labelling regulation data acc EU 2019/2015

Lighting technology used	LED
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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
4052899606081	Unpacked 1			
4062172214667	Shipping box 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.