

PRODUCT DATASHEET

PL-LIN-Z4 4000-840 560X20

PrevaLED® Linear G4 | Linear Light Engines



Areas of application

- Offices
- Industry

Product benefits

- Up to 200 lm/W module efficiency for demanding lighting solutions
- Available with a wide range of lengths and color rendering index
- Cut out area for shadow-free wiring
- Smart Fixation (SF) with backside connector
- SELV or non-SELV module for easy luminaire design

Product features

- Available with luminous flux: 550 lm on 140 mm x 20 mm
- Available with luminous flux: 1,100 lm, 2,000 lm on 280 mm x 20 mm
- Available with luminous flux: 2,200 lm, 4,000 lm on 560 mm x 20 mm
- Available with luminous flux: 4,400 lm on 1,120 mm and 5,500 lm on 1,400 mm x 20 mm
- Available with luminous flux: 650 lm, 1,100 lm on 280 mm x 33 mm
- Available with luminous flux: 1,300 lm, 2,200 lm on 560 mm x 33 mm
- Available with color temperature: 2,700K, 3,000 K, 4,000 K, 5,000 K or 6,500 K
- Color rendering index: > 80



- Color rendering index: > 90 for 1,100 lm, 2,000 lm on 280 mm x 20 mm
- Color rendering index: > 90 for 2,200 lm, 4,000 lm on 560 mm x 20 mm
- Average lifetime (L80 B10) for CRI ≥ 80: 50,000 h (temperature at $T_c = 55\text{ °C}$)
- Average lifetime (L80 B50) for CRI ≥ 90: 50,000 h (temperature at $T_c = 55\text{ °C}$)

TECHNICAL DATA

Electrical data

Nominal wattage	23.50 W
Construction wattage	23.50 W
Nominal voltage	39.1 V
Input voltage range	38...41 V
Type of current	DC
Nominal current	600.000 mA

Photometrical data

Total useful luminous flux [PICOS]	4000 lm
Luminous efficacy	190 lm/W
Luminous flux	4000 lm
Luminous intensity	1423 cd
Color temperature	4000 K
Color rendering index Ra	> 80
Light color LED	White
Light color (designation)	Neutral White
Standard deviation of color matching	≤3 sdc _m
Rated peak intensity	1423 cd
Lumen main.fact.at end of nom.life time	0.80

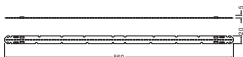
Light technical data

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	84
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Dimensions & Weight



Length	560.00 mm
Width	20.00 mm
Height	3.00 mm
Product weight	40.00 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	55 °C

Lifespan

Nominal lamp life time	50000 h
Number of switching cycles	100000

Additional product data

Product remark	Modules perfectly matched to OSRAM OPTOTRONIC® LED drivers (see relevant table) / For current photometric data and important safety, installation and application information, see www.osram.com/led-systems . / All the technical parameters apply to the entire module. In view of the complex manufacturing process for light emitting diodes, the typical values given above for the technical LED parameters are merely statistical values that do not necessarily correspond to the actual technical parameters of an individual product; individual products may vary from the typical values
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Capabilities

Dimmable	Yes
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Certificates & Standards

Standards	CE / ENEC / VDE
Type of protection	IP20
Energy consumption	26.70 kWh/1000h
Energy efficiency class	A++

LOGISTICAL DATA

Temperature range at storage	-30...85 °C
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DOWNLOAD DATA

Documents and certificates		Document name
	Declarations of conformity	Declaraton of conformity PL-LIN-Z4
	Declarations of conformity	EU Declaration of conformity PL-LIN-Z4 family
Photometric and lighting design files		Document name
	LDT file (Eulumdat)	Eulumdat PL-LIN-Z4 4000-840 560X20

LOGISTICAL DATA

Product code	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Gross weight	Volume
4052899985421	Unpacked 1			
4052899985513	Shipping box 60	583 mm x 254 mm x 167 mm	2971.00 g	24.73 dm ³

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.