

PL-LIN-IND-Z1 1400-840 280X24

PrevaLED Linear IND G1 | Linear Light Engines



Product family features

- Module efficacy: up to 193 lm/W
- Available with luminous flux: 1,400 lm on 280 mm
- Available with luminous flux: 2,800 lm on 560 mm
- Available with color temperature: 4,000 K, 5,000 K or 6,500 K
- High initial color consistency: ≤ 3 SDCM
- Average lifetime (L80 B50): 100,000 h (temperature at $T_c = 60^\circ\text{C}$)
- CE marked, ENEC certified

Product family benefits

- LED module for robust application
- Very long lifetime
- Reliable system between IND LED module and Optotronic OT IND driver
- Adjustable luminous flux, efficacy and lifetime

Areas of application

- Industry



Product datasheet

Technical data

Electrical data

Nominal voltage	32.3 V
Nominal current	0.228 A
Type of current	DC
On-mode power	7.40 W
Energy consumption in on-mode	7.4 kWh/1000h

Photometrical data

Luminous efficacy	191 lm/W
Color rendering index Ra	80
Correlated color temperature CCT	4000 K
Colour consistency (McAdam ellipses)	3
Useful luminous flux (Φ_{use})	1363 lm

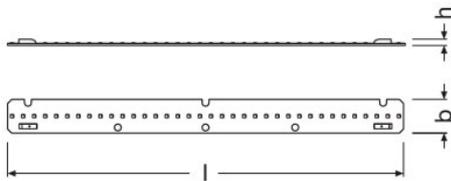
Light technical data

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



Product weight	21.00 g
Height	5.0 mm
Length	280.0 mm
Width	24.0 mm

Temperatures & operating conditions

Performance temp. acc. to IEC 62717	60 °C
Temperature range in operation at Tc point	-40...90 °C
Maximum temperature at tc test point	90 °C
Temperature range at storage	-40...90 °C
Ambient temperature range	-40...+90 °C

Lifespan

Number of switching cycles	100000
Lumen maintenance factor LMF	96
L70B50 lifetime	100000 h

Additional product data

Lighting technology used	LED
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Certificates & standards

Standards	CE/ENEC
Type of protection	IP20
Energy efficiency class	C

Logistical data

Commodity code	85414100000
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Environmental information

Information according Art. 33 of EU Regulation (EC) 1907/2006 (REACH)	
Date of Declaration	18-04-2022
Primary Article Identifier	4052899605848
Candidate List Substance 1	No declarable substances contained
Declaration No. in SCIP database	No declarable substances contained

Product datasheet



484525_5 Year Osram Guarante
(GB)

Download Data

File	
	Declarations of conformity PL LIN IND G1 CE 4178842 160623
	Declarations of conformity EU Declaration of conformity PL-LIN-Z4 family
	Declarations of conformity Declaraton of conformity PL-LIN-Z4

Ecodesign regulation information:

Separate control gear and light sources must be disposed of at certified disposal companies in accordance with Directive 2012/19/EU (WEEE) in the EU and with Waste Electrical and Electronic Equipment (WEEE) Regulations 2013 in the UK. For this purpose, collection points for recycling centres and take-back systems (CRSO) are available from retailers or private disposal companies, which accept separate control gear and light sources free of charge. In this way, raw materials are conserved and materials are recycled.

Logistical Data

Product code	Product description	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Volume	Gross weight
4052899605848	PL-LIN-IND-Z1 1400-840 280X24	Shipping carton box 60	592 mm x 252 mm x 100 mm	14.92 dm ³	1692.00 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.