

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 family datasheet

Technical data

Product description	Electrical data					Photometrical data
	Nominal voltage	Nominal current	Type of current	On-mode power	Energy consumption in on-mode	Luminous efficacy
PL-LIN-IND-Z1 1400-840 280X24	32.3 V	0.228 A	DC	7.4 W	7.4 kWh/1000h	191 lm/W
PL-LIN-IND-Z1 1400-850 280X24	32.3 V	0.225 A	DC	7.3 W	7.3 kWh/1000h	193 lm/W
PL-LIN-IND-Z1 1400-865 280X24	32.3 V	0.231 A	DC	7.6 W	7.6 kWh/1000h	188 lm/W
PL-LIN-IND-Z1 2800-840 560X24	64.6 V	0.228 A	DC	14.8 W	14.8 kWh/1000h	191 lm/W
PL-LIN-IND-Z1 2800-850 560X24	64.6 V	0.225 A	DC	14.5 W	14.5 kWh/1000h	193 lm/W
PL-LIN-IND-Z1 2800-865 560X24	64.6 V	0.231 A	DC	15 W	15 kWh/1000h	188 lm/W

Product description	Color rendering index Ra	Correlated color temperature CCT	Colour consistency (McAdam ellipses)	Useful luminous flux (Φuse)	Light technical data
					Starting time
PL-LIN-IND-Z1 1400-840 280X24	>80	4000 K	3	1363 lm	< 0.1 s
PL-LIN-IND-Z1 1400-850 280X24	>80	5000 K	3	1346 lm	< 0.1 s
PL-LIN-IND-Z1 1400-865 280X24	>80	6500 K	3	1339 lm	< 0.1 s
PL-LIN-IND-Z1 2800-840 560X24	>80	4000 K	3	2731 lm	< 0.1 s
PL-LIN-IND-Z1 2800-850 560X24	>80	5000 K	3	2684 lm	< 0.1 s
PL-LIN-IND-Z1 2800-865 560X24	>80	6500 K	3	2654 lm	< 0.1 s

Product description	Warm-up time (60 %)	LED module information	Dimensions & weight		
		Number of LEDs per module	Product weight	Height	Length
PL-LIN-IND-Z1 1400-840 280X24	< 2.00 s	36	21.00 g	5 mm	280 mm
PL-LIN-IND-Z1 1400-850 280X24	< 2.00 s	36	21.00 g	5 mm	280 mm
PL-LIN-IND-Z1 1400-865 280X24	< 2.00 s	36	21.00 g	5 mm	280 mm
PL-LIN-IND-Z1 2800-840 560X24	< 2.00 s	72	42.00 g	5 mm	560 mm
PL-LIN-IND-Z1 2800-850 560X24	< 2.00 s	72	42.00 g	5 mm	560 mm
PL-LIN-IND-Z1 2800-865 560X24	< 2.00 s	72	42.00 g	5 mm	560 mm

Product family datasheet

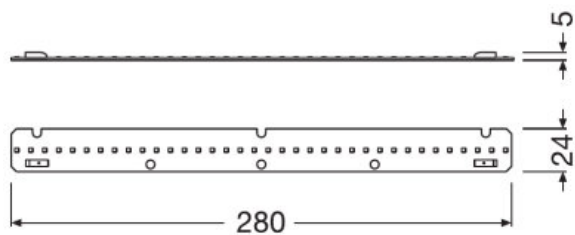
Product description	Width	Temperatures & operating conditions		
		Performance temp. acc. to IEC 62717	Temperature range in operation at Tc point	Maximum temperature at tc test point
PL-LIN-IND-Z1 1400-840 280X24	24 mm	60 °C	-40...90 °C	90 °C
PL-LIN-IND-Z1 1400-850 280X24	24 mm	60 °C	-40...90 °C	90 °C
PL-LIN-IND-Z1 1400-865 280X24	24 mm	60 °C	-40...90 °C	90 °C
PL-LIN-IND-Z1 2800-840 560X24	24 mm	60 °C	-40...90 °C	90 °C
PL-LIN-IND-Z1 2800-850 560X24	24 mm	60 °C	-40...90 °C	90 °C
PL-LIN-IND-Z1 2800-865 560X24	24 mm	60 °C	-40...90 °C	90 °C

Product description	Temperature range at storage	Ambient temperature range	Lifespan	Certificates & standards
			Lumen maintenance factor LMF	Standards
PL-LIN-IND-Z1 1400-840 280X24	-40...90 °C	-40...+90 °C	96	CE/ENEC
PL-LIN-IND-Z1 1400-850 280X24	-40...90 °C	-40...+90 °C	96	CE/ENEC
PL-LIN-IND-Z1 1400-865 280X24	-40...90 °C	-40...+90 °C	96	CE/ENEC
PL-LIN-IND-Z1 2800-840 560X24	-40...90 °C	-40...+90 °C	96	CE/ENEC
PL-LIN-IND-Z1 2800-850 560X24	-40...90 °C	-40...+90 °C	96	CE/ENEC
PL-LIN-IND-Z1 2800-865 560X24	-40...90 °C	-40...+90 °C	96	CE/ENEC

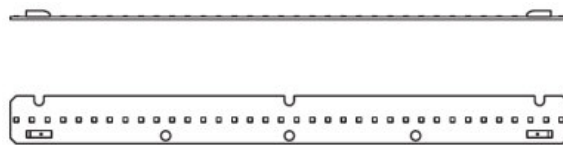
Product description	Energy efficiency class	Commodity code	Logistical data	Environmental information Information according Art. 33 of EU Regulation (EC) 1907/2006 (REACH)
			Date of Declaration	Primary Article Identifier
PL-LIN-IND-Z1 1400-840 280X24	C	854141000000	18-04-2022	4052899605848
PL-LIN-IND-Z1 1400-850 280X24	C	854141000000	18-04-2022	4052899605855
PL-LIN-IND-Z1 1400-865 280X24	C	854141000000	18-04-2022	4052899605862
PL-LIN-IND-Z1 2800-840 560X24	C	854141000000	18-04-2022	4052899605879
PL-LIN-IND-Z1 2800-850 560X24	C	854141000000	18-04-2022	4052899605886
PL-LIN-IND-Z1 2800-865 560X24	C	854141000000	18-04-2022	4052899605893

Product description	Candidate List Substance 1	Declaration No. in SCIP database
PL-LIN-IND-Z1 1400-840 280X24	No declarable substances contained	No declarable substances contained
PL-LIN-IND-Z1 1400-850 280X24	No declarable substances contained	No declarable substances contained
PL-LIN-IND-Z1 1400-865 280X24	No declarable substances contained	No declarable substances contained
PL-LIN-IND-Z1 2800-840 560X24	No declarable substances contained	No declarable substances contained
PL-LIN-IND-Z1 2800-850 560X24	No declarable substances contained	No declarable substances contained
PL-LIN-IND-Z1 2800-865 560X24	No declarable substances contained	No declarable substances contained

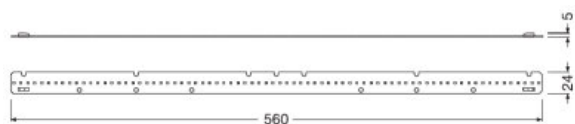
Product family datasheet



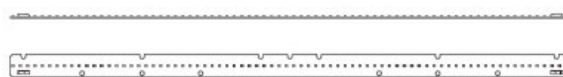
PL-LIN-IND-Z1 1400-850



PL-LIN-IND-Z1 1400-850



PL-LIN-IND-Z1 2800-840 560X24



PL-LIN-IND-Z1 2800-840 560X24



Application advice

For more detailed application information and graphics please see product datasheet.

Sales and Technical Support

Sales and Technical Support www.osram.com

Download Data

File	
	Declarations of conformity PL LIN IND G1 CE 4178842 200820
	Declarations of conformity EU Declaration of conformity PL-LIN-Z4 family

Product family datasheet



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
4052899605855	PL-LIN-IND-Z1 1400-850 280X24	Shipping carton box 60	592 mm x 252 mm x 100 mm	14.92 dm ³	1692.00 g
4052899605862	PL-LIN-IND-Z1 1400-865 280X24	Shipping carton box 60	592 mm x 252 mm x 100 mm	14.92 dm ³	1692.00 g
4052899605879	PL-LIN-IND-Z1 2800-840 560X24	Shipping carton box 30	592 mm x 252 mm x 100 mm	14.92 dm ³	1698.00 g
4052899605886	PL-LIN-IND-Z1 2800-850 560X24	Shipping carton box 30	592 mm x 252 mm x 100 mm	14.92 dm ³	1698.00 g
4052899605893	PL-LIN-IND-Z1 2800-865 560X24	Shipping carton box 30	592 mm x 252 mm x 100 mm	14.92 dm ³	1698.00 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.