

PrevaLED Linear TW G2

Linear Light Engines



Product family features

- Module efficacy: up to 170 lm/W with 2,700K
- Module efficacy: up to 190 lm/W with 6,500K
- Available module length: 62 mm, 280 mm, 560 mm
- Available with luminous flux: 245 lm, 1,100 lm and 2,200 lm
- Color temperature range: 2,700...6,500 K
- Color rendering index Ra: >80 and >90
- Initial color consistency: ≤ 3 SDCM
- Average lifetime (L80 B50): up to 70,000 h (temperature at $T_c = 55^\circ\text{C}$)

Product family benefits

- Tunable White by adjustable colour temperature from 2,700 K to 6,500 K
- SELV or non-isolated LED Module with perfect match to Optotronic TW driver
- Cut out area for shadow-free wiring
- High homogeneity thanks to small LED pitch

Areas of application

- Offices
- Education
- Healthcare



Technical data

Product description	Electrical data				
	Nominal voltage	Nominal current	Type of current	Energy consumption in on-mode	On-mode power
PL-LIN-Z2 245-8TW 62X20-HV	5.30 V	0.275 A	DC	1.5 kWh/1000h	1.50 W
PL-LIN-Z2 245-9TW 62X20-HV	5.30 V	0.3 A	DC	1.7 kWh/1000h	1.70 W
PL-LIN-Z2 1100-8TW 280-LV/1A4	5.20 V	1.1 A	DC	6.3 kWh/1000h	6.30 W
PL-LIN-Z2 1100-8TW 280-LV/700	10.4 V	0.55 A	DC	6.2 kWh/1000h	6.20 W
PL-LIN-Z2 1100-8TW 280X20-HV	23.2 V	0.275 A	DC	6.8 kWh/1000h	6.80 W
PL-LIN-Z2 1100-9TW 280-LV/1A4	5.40 V	1.3 A	DC	7.9 kWh/1000h	7.90 W
PL-LIN-Z2 1100-9TW 280X20-HV	23.5 V	0.3 A	DC	7.5 kWh/1000h	7.50 W
PL-LIN-Z2 2200-8TW 560-LV/1A4	10.4 V	1.1 A	DC	12.7 kWh/1000h	12.70 W
PL-LIN-Z2 2200-8TW 560-LV/700	20.6 V	0.55 A	DC	12.4 kWh/1000h	12.40 W
PL-LIN-Z2 2200-8TW 560X20-HV	46.4 V	0.275 A	DC	13.6 kWh/1000h	13.60 W
PL-LIN-Z2 2200-9TW 560-LV/1A4	10.6 V	1.3 A	DC	15.1 kWh/1000h	15.10 W
PL-LIN-Z2 2200-9TW 560X20-HV	47.0 V	0.3 A	DC	14.9 kWh/1000h	14.90 W

Product description	Photometrical data				
	Luminous efficacy	Correlated color temperature CCT	Color rendering index Ra	Useful luminous flux (Φuse)	Colour consistency (McAdam ellipses)
PL-LIN-Z2 245-8TW 62X20-HV	171...191 lm/W	2700 K	80	243 lm	3
PL-LIN-Z2 245-9TW 62X20-HV	140...160 lm/W	6500 K	90	250 lm	3
PL-LIN-Z2 1100-8TW 280-LV/1A4	171...190 lm/W	6500 K	80	1081 lm	3
PL-LIN-Z2 1100-8TW 280-LV/700	171...190 lm/W	6500 K	80	1081 lm	3
PL-LIN-Z2 1100-8TW 280X20-HV	171...191 lm/W	6500 K	80	1218 lm	3
PL-LIN-Z2 1100-9TW 280-LV/1A4	138...157 lm/W	6500 K	90	1073 lm	3
PL-LIN-Z2 1100-9TW 280X20-HV	140...160 lm/W	6500 K	90	1123 lm	3
PL-LIN-Z2 2200-8TW 560-LV/1A4	171...190 lm/W	6500 K	80	2162 lm	3
PL-LIN-Z2 2200-8TW 560-LV/700	171...190 lm/W	6500 K	80	2162 lm	3
PL-LIN-Z2 2200-8TW 560X20-HV	171...191 lm/W	6500 K	80	2437 lm	3
PL-LIN-Z2 2200-9TW 560-LV/1A4	138...157 lm/W	6500 K	90	2145 lm	3
PL-LIN-Z2 2200-9TW 560X20-HV	140...160 lm/W	6500 K	90	2246 lm	3

Product family datasheet

Product description	Light technical data	LED module information	Dimensions & weight		
	Beam angle	Number of LEDs per module	Product weight	Length	Height
PL-LIN-Z2 245-8TW 62X20-HV	0 °	12	5.00 g	62 mm	5 mm
PL-LIN-Z2 245-9TW 62X20-HV	0 °	12	5.00 g	62.0 mm	5.0 mm
PL-LIN-Z2 1100-8TW 280-LV/1A4	0 °	48	20.00 g	280.0 mm	5.0 mm
PL-LIN-Z2 1100-8TW 280-LV/700	0 °	48	20.00 g	280.0 mm	5.0 mm
PL-LIN-Z2 1100-8TW 280X20-HV	0 °	54	20.00 g	280.0 mm	5.0 mm
PL-LIN-Z2 1100-9TW 280-LV/1A4	0 °	48	20.00 g	280.0 mm	5.0 mm
PL-LIN-Z2 1100-9TW 280X20-HV	0 °	54	20.00 g	280.0 mm	5.0 mm
PL-LIN-Z2 2200-8TW 560-LV/1A4	0 °	96	40.00 g	560.0 mm	5.0 mm
PL-LIN-Z2 2200-8TW 560-LV/700	0 °	96	40.00 g	560.0 mm	5.0 mm
PL-LIN-Z2 2200-8TW 560X20-HV	0 °	108	40.00 g	560.0 mm	5.0 mm
PL-LIN-Z2 2200-9TW 560-LV/1A4	0 °	96	40.00 g	560.0 mm	5.0 mm
PL-LIN-Z2 2200-9TW 560X20-HV	0 °	108	40.00 g	560.0 mm	5.0 mm

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-Z2 245-8TW 62X20-HV	20 mm	50 °C	-20...75 °C	75 °C
PL-LIN-Z2 245-9TW 62X20-HV	20.0 mm	50 °C	-20...75 °C	75 °C
PL-LIN-Z2 1100-8TW 280-LV/1A4	20.0 mm	50 °C	-20...75 °C	75 °C
PL-LIN-Z2 1100-8TW 280-LV/700	20.0 mm	50 °C	-20...75 °C	75 °C
PL-LIN-Z2 1100-8TW 280X20-HV	20.0 mm	50 °C	-20...75 °C	75 °C
PL-LIN-Z2 1100-9TW 280-LV/1A4	20.0 mm	50 °C	-20...75 °C	75 °C
PL-LIN-Z2 1100-9TW 280X20-HV	20.0 mm	50 °C	-20...75 °C	75 °C
PL-LIN-Z2 2200-8TW 560-LV/1A4	20.0 mm	50 °C	-20...75 °C	75 °C
PL-LIN-Z2 2200-8TW 560-LV/700	20.0 mm	50 °C	-20...75 °C	75 °C
PL-LIN-Z2 2200-8TW 560X20-HV	20.0 mm	50 °C	-20...75 °C	75 °C
PL-LIN-Z2 2200-9TW 560-LV/1A4	20.0 mm	50 °C	-20...75 °C	75 °C
PL-LIN-Z2 2200-9TW 560X20-HV	20.0 mm	50 °C	-20...75 °C	75 °C

Product description	Temperature range at storage	Ambient temperature range	Lifespan	
			Lumen maintenance factor LMF	L70B50 lifetime
PL-LIN-Z2 245-8TW 62X20-HV	-30...85 °C	-20...+75 °C	96	50000 h
PL-LIN-Z2 245-9TW 62X20-HV	-30...85 °C	-20...+75 °C	96	50000 h
PL-LIN-Z2 1100-8TW 280-LV/1A4	-30...85 °C	-20...+75 °C	96	50000 h
PL-LIN-Z2 1100-8TW 280-LV/700	-30...85 °C	-20...+75 °C	96	50000 h
PL-LIN-Z2 1100-8TW 280X20-HV	-30...85 °C	-20...+75 °C	96	50000 h
PL-LIN-Z2 1100-9TW 280-LV/1A4	-30...85 °C	-20...+75 °C	96	50000 h
PL-LIN-Z2 1100-9TW 280X20-HV	-30...85 °C	-20...+75 °C	96	50000 h
PL-LIN-Z2 2200-8TW 560-LV/1A4	-30...85 °C	-20...+75 °C	96	50000 h
PL-LIN-Z2 2200-8TW 560-LV/700	-30...85 °C	-20...+75 °C	96	50000 h

Product family datasheet

Product description	Temperature range at storage	Ambient temperature range	Lifespan	
			Lumen maintenance factor LMF	L70B50 lifetime
PL-LIN-Z2 2200-8TW 560X20-HV	-30...85 °C	-20...+75 °C	96	50000 h
PL-LIN-Z2 2200-9TW 560-LV/1A4	-30...85 °C	-20...+75 °C	96	50000 h
PL-LIN-Z2 2200-9TW 560X20-HV	-30...85 °C	-20...+75 °C	96	50000 h

Product description	Additional product data		Capabilities	Certificates & standards
	Lighting technology used	Predecessor EAN	Dimmable	Standards
PL-LIN-Z2 245-8TW 62X20-HV	LED	4052899605589	Yes	CE/ENEC
PL-LIN-Z2 245-9TW 62X20-HV	LED		Yes	CE/ENEC
PL-LIN-Z2 1100-8TW 280-LV/1A4	LED		Yes	CE/ENEC
PL-LIN-Z2 1100-8TW 280-LV/700	LED		Yes	CE/ENEC
PL-LIN-Z2 1100-8TW 280X20-HV	LED	4052899999541	Yes	CE/ENEC
PL-LIN-Z2 1100-9TW 280-LV/1A4	LED		Yes	CE/ENEC
PL-LIN-Z2 1100-9TW 280X20-HV	LED		Yes	CE/ENEC
PL-LIN-Z2 2200-8TW 560-LV/1A4	LED		Yes	CE/ENEC
PL-LIN-Z2 2200-8TW 560-LV/700	LED		Yes	CE/ENEC
PL-LIN-Z2 2200-8TW 560X20-HV	LED	4052899989351	Yes	CE/ENEC
PL-LIN-Z2 2200-9TW 560-LV/1A4	LED		Yes	CE/ENEC
PL-LIN-Z2 2200-9TW 560X20-HV	LED		Yes	CE/ENEC

Product description	Energy efficiency class	Logistical data	Environmental information Information according Art. 33 of EU Regulation (EC) 1907/2006 (REACH)	
		Commodity code	Date of Declaration	Primary Article Identifier
PL-LIN-Z2 245-8TW 62X20-HV	D	85395100000	18-04-2022	4052899618565
PL-LIN-Z2 245-9TW 62X20-HV	D	85395100000	18-04-2022	4052899618596
PL-LIN-Z2 1100-8TW 280-LV/1A4	D	85395100000	18-04-2022	4052899618527
PL-LIN-Z2 1100-8TW 280-LV/700	C	85395100000	18-04-2022	4052899618503
PL-LIN-Z2 1100-8TW 280X20-HV	C	85395100000	18-04-2022	4052899618572
PL-LIN-Z2 1100-9TW 280-LV/1A4	E	85395100000	18-04-2022	4052899618541
PL-LIN-Z2 1100-9TW 280X20-HV	D	85395100000	18-04-2022	4052899618602
PL-LIN-Z2 2200-8TW 560-LV/1A4	D	85395100000	18-04-2022	4052899618534
PL-LIN-Z2 2200-8TW 560-LV/700	C	85395100000	18-04-2022	4052899618510
PL-LIN-Z2 2200-8TW 560X20-HV	C	85395100000	18-04-2022	4052899618589
PL-LIN-Z2 2200-9TW 560-LV/1A4	E	85395100000	18-04-2022	4052899618558
PL-LIN-Z2 2200-9TW 560X20-HV	D	85395100000	18-04-2022	4052899618619

Product description	Candidate List Substance 1	Declaration No. in SCIP database
PL-LIN-Z2 245-8TW 62X20-HV	No declarable substances contained	No declarable substances contained
PL-LIN-Z2 245-9TW 62X20-HV	No declarable substances contained	No declarable substances contained

Product family datasheet

Product description	Candidate List Substance 1	Declaration No. in SCIP database
PL-LIN-Z2 1100-8TW 280-LV/1A4	No declarable substances contained	No declarable substances contained
PL-LIN-Z2 1100-8TW 280-LV/700	No declarable substances contained	No declarable substances contained
PL-LIN-Z2 1100-8TW 280X20-HV	No declarable substances contained	No declarable substances contained
PL-LIN-Z2 1100-9TW 280-LV/1A4	No declarable substances contained	No declarable substances contained
PL-LIN-Z2 1100-9TW 280X20-HV	No declarable substances contained	No declarable substances contained
PL-LIN-Z2 2200-8TW 560-LV/1A4	No declarable substances contained	No declarable substances contained
PL-LIN-Z2 2200-8TW 560-LV/700	No declarable substances contained	No declarable substances contained
PL-LIN-Z2 2200-8TW 560X20-HV	No declarable substances contained	No declarable substances contained
PL-LIN-Z2 2200-9TW 560-LV/1A4	No declarable substances contained	No declarable substances contained
PL-LIN-Z2 2200-9TW 560X20-HV	No declarable substances contained	No declarable substances contained

Product family datasheet

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	
	Certificates PL ENEC 40031612 250723
	Declarations of conformity PL LIN Z2 TW CE 4227114 141220

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
4052899618565	PL-LIN-Z2 245-8TW 62X20-HV	Shipping carton box 60	290 mm x 172 mm x 95 mm	4.74 dm ³	498.00 g
4052899618596	PL-LIN-Z2 245-9TW 62X20-HV	Shipping carton box 60	290 mm x 172 mm x 95 mm	4.74 dm ³	498.00 g
4052899618527	PL-LIN-Z2 1100-8TW 280-LV/1A4	Shipping carton box 60	592 mm x 250 mm x 100 mm	14.80 dm ³	1632.00 g
4052899618503	PL-LIN-Z2 1100-8TW 280-LV/700	Shipping carton box 60	592 mm x 250 mm x 100 mm	14.80 dm ³	1632.00 g
4052899618572	PL-LIN-Z2 1100-8TW 280X20-HV	Shipping carton box 60	592 mm x 250 mm x 100 mm	14.80 dm ³	1632.00 g
4052899618541	PL-LIN-Z2 1100-9TW 280-LV/1A4	Shipping carton box 60	592 mm x 250 mm x 100 mm	14.80 dm ³	1632.00 g

Product family datasheet

Logistical Data

4052899618602	PL-LIN-Z2 1100-9TW 280X20-HV	Shipping carton box 60	592 mm x 250 mm x 100 mm	14.80 dm ³	1632.00 g
4052899618534	PL-LIN-Z2 2200-8TW 560-LV/1A4	Shipping carton box 60	592 mm x 252 mm x 100 mm	14.92 dm ³	2838.00 g
4052899618510	PL-LIN-Z2 2200-8TW 560-LV/700	Shipping carton box 60	592 mm x 252 mm x 100 mm	14.92 dm ³	2838.00 g
4052899618589	PL-LIN-Z2 2200-8TW 560X20-HV	Shipping carton box 60	592 mm x 252 mm x 100 mm	14.92 dm ³	2838.00 g
4052899618558	PL-LIN-Z2 2200-9TW 560-LV/1A4	Shipping carton box 60	592 mm x 252 mm x 100 mm	14.92 dm ³	2838.00 g
4052899618619	PL-LIN-Z2 2200-9TW 560X20-HV	Shipping carton box 60	592 mm x 252 mm x 100 mm	14.92 dm ³	2838.00 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.