

PrevaLED Linear QD

Linear Light Engines



Product family features

- High initial color consistency: ≤ 3 SDCM
- Lifetime (L85 B50): $> 90,000$ h (temperature at $T_p = 55$ °C)
- Luminous flux: 280 lm on 62 mm
- Luminous flux: 570 lm on 124 mm
- Luminous flux: 1300 lm on 280 mm
- Luminous flux: 2600 lm on 560 mm
- Module efficacy: up to 185 lm/W
- CE and ENEC certified and UKCA marked
- Variation of color temperatures (3000K and 4000K)

Product family benefits

- Adjustable luminous flux, efficacy and lifetime
- Allows very compact luminaire designs
- Allows multiple module configurations in luminaires
- High homogeneity thanks to small LED pitch
- Available with a wide range of lengths
- High efficacy LED Modules for CRI 90
- Small LED module design avoids shades, delivering great light uniformity
- Can be operated with OPTOTRONIC SELV and non-SELV drivers with $U_{out\ max.} < 250$ V
- Can be operated with OPTOTRONIC SELV drivers in the right configuration



Product family datasheet

Areas of application

- Industry
- Office
- Public and commercial buildings
- Shop lighting

Product family datasheet

Technical data

Product description	Electrical data				
	Nominal voltage	Nominal current	Type of current	On-mode power	Energy consumption in on-mode
PL-LIN-QD 290-930 62x20-HV	5.50 V	0.3 A	DC	1.70 W	1.7 kWh/1000h
PL-LIN-QD 290-940 62x20-HV	5.50 V	0.3 A	DC	1.70 W	1.7 kWh/1000h
PL-LIN-QD 570-930 124X20-HV	11.0 V	0.3 A	DC	3.30 W	3.3 kWh/1000h
PL-LIN-QD 570-940 124X20-HV	11.0 V	0.3 A	DC	3.30 W	3.3 kWh/1000h
PL-LIN-QD 1300-930 280x20-HV	24.5 V	0.3 A	DC	7.30 W	7.3 kWh/1000h
PL-LIN-QD 1300-940 280x20-HV	24.5 V	0.3 A	DC	7.30 W	7.3 kWh/1000h
PL-LIN-QD 2600-930 560x20-HV	49.0 V	0.3 A	DC	14.60 W	14.6 kWh/1000h
PL-LIN-QD 2600-940 560x20-HV	49.0 V	0.3 A	DC	14.60 W	14.6 kWh/1000h

Product description	Photometrical data			
	Luminous efficacy	Correlated color temperature CCT	Useful luminous flux (Φuse)	Colour consistency (McAdam ellipses)
PL-LIN-QD 290-930 62x20-HV	170 lm/W	3000 K	257 lm	3
PL-LIN-QD 290-940 62x20-HV	181 lm/W	4000 K	283 lm	3
PL-LIN-QD 570-930 124X20-HV	170 lm/W	3000 K	514 lm	3
PL-LIN-QD 570-940 124X20-HV	181 lm/W	4000 K	571 lm	3
PL-LIN-QD 1300-930 280x20-HV	170 lm/W	3000 K	1174 lm	3
PL-LIN-QD 1300-940 280x20-HV	181 lm/W	4000 K	1281 lm	3
PL-LIN-QD 2600-930 560x20-HV	170 lm/W	3000 K	2335 lm	3
PL-LIN-QD 2600-940 560x20-HV	181 lm/W	4000 K	2567 lm	3

Product description	Color rendering index Ra	Light technical data	LED module information	Dimensions & weight	
		Beam angle	Number of LEDs per module	Product weight	Width
PL-LIN-QD 290-930 62x20-HV	90	0 °	8	5.00 g	20.0 mm
PL-LIN-QD 290-940 62x20-HV	90	0 °	8	5.00 g	20.0 mm
PL-LIN-QD 570-930 124X20-HV	90	0 °	16	10.00 g	20.0 mm
PL-LIN-QD 570-940 124X20-HV	90	0 °	16	10.00 g	20.0 mm
PL-LIN-QD 1300-930 280x20-HV	90	0 °	36	20.00 g	20.0 mm
PL-LIN-QD 1300-940 280x20-HV	90	0 °	36	20.00 g	20.0 mm
PL-LIN-QD 2600-930 560x20-HV	90	0 °	72	40.00 g	20.0 mm
PL-LIN-QD 2600-940 560x20-HV	90	0 °	72	40.00 g	20.0 mm

Product description	Length	Height	Temperatures & operating conditions		
			Performance temp. acc. to IEC 62717	Temperature range in operation at Tc point	Maximum temperature at tc test point
PL-LIN-QD 290-930 62x20-HV	62.0 mm	6.0 mm	55 °C	-20...75 °C	75 °C
PL-LIN-QD 290-940 62x20-HV	62.0 mm	6.0 mm	55 °C	-20...75 °C	75 °C

Product family datasheet

Product description	Length	Height	Temperatures & operating conditions		
			Performance temp. acc. to IEC 62717	Temperature range in operation at Tc point	Maximum temperature at tc test point
PL-LIN-QD 570-930 124X20-HV	124.5 mm	6.0 mm	55 °C	-20...75 °C	75 °C
PL-LIN-QD 570-940 124X20-HV	124.5 mm	6.0 mm	55 °C	-20...75 °C	75 °C
PL-LIN-QD 1300-930 280x20-HV	280.0 mm	6.0 mm	55 °C	-20...75 °C	75 °C
PL-LIN-QD 1300-940 280x20-HV	280.0 mm	6.0 mm	55 °C	-20...75 °C	75 °C
PL-LIN-QD 2600-930 560x20-HV	560.0 mm	6.0 mm	55 °C	-20...75 °C	75 °C
PL-LIN-QD 2600-940 560x20-HV	560.0 mm	6.0 mm	55 °C	-20...75 °C	75 °C

Product description	Temperature range at storage	Ambient temperature range	Lifespan	
			L70B50 lifetime	Lumen maintenance factor LMF
PL-LIN-QD 290-930 62x20-HV	-30...85 °C	-20...+70 °C	100000 h	96
PL-LIN-QD 290-940 62x20-HV	-30...85 °C	-20...+70 °C	100000 h	96
PL-LIN-QD 570-930 124X20-HV	-30...85 °C	-20...+70 °C	100000 h	96
PL-LIN-QD 570-940 124X20-HV	-30...85 °C	-20...+70 °C	100000 h	96
PL-LIN-QD 1300-930 280x20-HV	-30...85 °C	-20...+70 °C	100000 h	96
PL-LIN-QD 1300-940 280x20-HV	-30...85 °C	-20...+70 °C	100000 h	96
PL-LIN-QD 2600-930 560x20-HV	-30...85 °C	-20...+70 °C	100000 h	96
PL-LIN-QD 2600-940 560x20-HV	-30...85 °C	-20...+70 °C	100000 h	96

Product description	Additional product data	Capabilities	Certificates & standards	
	Lighting technology used	Dimmable	Standards	Energy efficiency class
PL-LIN-QD 290-930 62x20-HV	LED	Yes	CE/ENEC/UKCA	D
PL-LIN-QD 290-940 62x20-HV	LED	Yes	CE/ENEC/UKCA	D
PL-LIN-QD 570-930 124X20-HV	LED	Yes	CE/ENEC/UKCA	D
PL-LIN-QD 570-940 124X20-HV	LED	Yes	CE/ENEC/UKCA	C
PL-LIN-QD 1300-930 280x20-HV	LED	Yes	CE/ENEC/UKCA	D
PL-LIN-QD 1300-940 280x20-HV	LED	Yes	CE/ENEC/UKCA	C
PL-LIN-QD 2600-930 560x20-HV	LED	Yes	CE/ENEC/UKCA	D
PL-LIN-QD 2600-940 560x20-HV	LED	Yes	CE/ENEC/UKCA	C

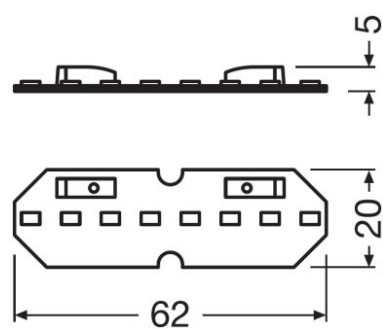
Product description	Logistical data	Environmental information Information according Art. 33 of EU Regulation (EC) 1907/2006 (REACH)		
	Commodity code	Date of Declaration	Primary Article Identifier	Candidate List Substance 1
PL-LIN-QD 290-930 62x20-HV	85414100000	25-07-2023	4062172317061	No declarable substances contained
PL-LIN-QD 290-940 62x20-HV	85414100000	25-07-2023	4062172317085	No declarable substances contained
PL-LIN-QD 570-930 124X20-HV	85414100000	25-07-2023	4062172321297	No declarable substances contained
PL-LIN-QD 570-940 124X20-HV	85414100000	25-07-2023	4062172321310	No declarable substances contained

Product family datasheet

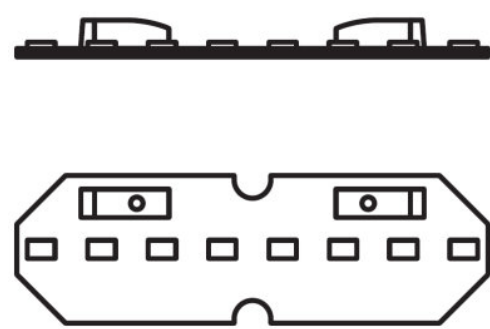
	Logistical data	Environmental information Information according Art. 33 of EU Regulation (EC) 1907/2006 (REACH)		
Product description	Commodity code	Date of Declaration	Primary Article Identifier	Candidate List Substance 1
PL-LIN-QD 1300-930 280x20-HV	85414100000	25-07-2023	4062172317108	No declarable substances contained
PL-LIN-QD 1300-940 280x20-HV	85414100000	25-07-2023	4062172317122	No declarable substances contained
PL-LIN-QD 2600-930 560x20-HV	85395100000	30-06-2023	4062172317146	No declarable substances contained
PL-LIN-QD 2600-940 560x20-HV	85395100000	30-06-2023	4062172317160	No declarable substances contained

Product description	Declaration No. in SCIP database
PL-LIN-QD 290-930 62x20-HV	No declarable substances contained
PL-LIN-QD 290-940 62x20-HV	No declarable substances contained
PL-LIN-QD 570-930 124X20-HV	No declarable substances contained
PL-LIN-QD 570-940 124X20-HV	No declarable substances contained
PL-LIN-QD 1300-930 280x20-HV	No declarable substances contained
PL-LIN-QD 1300-940 280x20-HV	No declarable substances contained
PL-LIN-QD 2600-930 560x20-HV	No declarable substances contained
PL-LIN-QD 2600-940 560x20-HV	No declarable substances contained

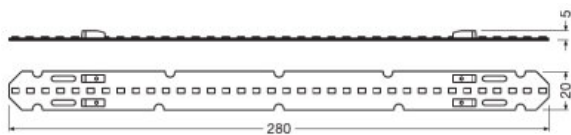
Product family datasheet



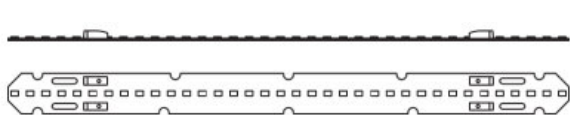
PL-LIN-Z6 245-830 62x20-HV



PL-LIN-Z6 245-830 62x20-HV



PL-LIN-Z6 1100-827 280X20-LVHV



PL-LIN-Z6 1100-827 280X20-LVHV



PL-LIN-Z6 2200-827 560X20-HV



PL-LIN-Z6 2200-827 560X20-HV

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 BRICK BA BAR CLE VDE ENEC 40045382 210723

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
4062172317061	PL-LIN-QD 290-930 62x20-HV	Shipping carton box 60	290 mm x 172 mm x 95 mm	4.74 dm ³	498.00 g
4062172317085	PL-LIN-QD 290-940 62x20-HV	Shipping carton box 60	290 mm x 172 mm x 95 mm	4.74 dm ³	498.00 g
4062172321297	PL-LIN-QD 570-930 124X20-HV	Shipping carton box 60	290 mm x 146 mm x 95 mm	4.02 dm ³	724.00 g
4062172321310	PL-LIN-QD 570-940 124X20-HV	Shipping carton box 60	290 mm x 146 mm x 95 mm	4.02 dm ³	724.00 g
4062172317108	PL-LIN-QD 1300-930 280x20-HV	Shipping carton box 60	592 mm x 252 mm x 100 mm	14.92 dm ³	1632.00 g
4062172317122	PL-LIN-QD 1300-940 280x20-HV	Shipping carton box 60	592 mm x 252 mm x 100 mm	14.92 dm ³	1632.00 g
4062172317146	PL-LIN-QD 2600-930 560x20-HV	Shipping carton box 60	592 mm x 252 mm x 100 mm	14.92 dm ³	2838.00 g

Product family datasheet

Logistical Data

4062172317160	PL-LIN-QD 2600-940 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.