

Light is OSRAM

PrevaLED Linear G4-P

Dimension (l x w x h)

- 280 mm x 20 mm x 5 mm
- 560 mm x 20 mm x 5 mm



Features

- Module efficacy: up to 184 lm/W
- CCT: 3000K, 4000K
- Luminous flux
 - 280 mm: 1100 lm, 2000 lm
 - 560 mm: 2200 lm, 4000 lm
- Color rendering index CRI: > 80
- Initial color consistency: ≤ 3 SDCM
- Average lifetime (L80 B10): 50,000 h at $T_c = 55^\circ\text{C}$
- Geometry according to Zhaga Book 7 L28W2
- ENEC, VDE Certification

Application

- Office
- Industry

Benefits

- Slim module for design of narrow luminaires
- High homogeneity thanks to small LED pitch
- Cut out area for shadow-free wiring
- Isolated connector with release function
- SELV or non-isolated modules for easy luminaire design

Typical technical data*

Product name	Flux (lm)	CCT (K)	CRI	SDCM	Uf (V)	If (mA)	P (W)	Efficacy (lm/W)
PL-LIN-Z4-P 1100-830 280X20	1020	3000	> 80	3	33.2	175	5.8	175
PL-LIN-Z4-P 1100-840 280X20	1072	4000	> 80	3	33.2	175	5,8	184
PL-LIN-Z4-P 2000-830 280X20	2019	3000	> 80	3	39.1	300	11.7	172
PL-LIN-Z4-P 2000-840 280X20	2122	4000	> 80	3	39.1	300	11.7	180
PL-LIN-Z4-P 2200-830 560X20	2039	3000	> 80	3	33.2	350	11.6	175
PL-LIN-Z4-P 2200-840 560X20	2144	4000	> 80	3	33.2	350	11.6	184
PL-LIN-Z4-P 4000-830 560X20	4038	3000	> 80	3	39.1	600	23.5	172
PL-LIN-Z4-P 4000-840 560X20	4246	4000	> 80	3	39.1	600	23.5	180

Technical data at maximum current*

Product name	Flux (lm)	CCT (K)	CRI	SDCM	Uf (V)	If (mA)	P (W)	Efficacy (lm/W)
PL-LIN-Z4-P 1100-830 280X20	1633	3000	> 80	3	34.7	300	10.4	160
PL-LIN-Z4-P 1100-840 280X20	1748	4000	> 80	3	34.7	300	10.4	168
PL-LIN-Z4-P 2000-830 280X20	2910	3000	> 80	3	40.5	450	18.2	160
PL-LIN-Z4-P 2000-840 280X20	3060	4000	> 80	3	40.5	450	18.2	168
PL-LIN-Z4-P 2200-830 560X20	3326	3000	> 80	3	34.7	600	20.8	160
PL-LIN-Z4-P 2200-840 560X20	3497	4000	> 80	3	34.7	600	20.8	168
PL-LIN-Z4-P 4000-830 560X20	5820	3000	> 80	3	40.5	900	36.5	160
PL-LIN-Z4-P 4000-840 560X20	6120	4000	> 80	3	40.5	900	36.5	168

Typical values valid for $T_p = 55^\circ\text{C}$
Energy Efficiency Class according 2012/874/EC: A++

Due to the special conditions of the manufacturing processes of LED the typical data of technical parameters can only reflect statistical figures and do not necessarily correspond to the actual parameters of each single product which could differ from the typical data.

* Tolerance for optical and electrical data: +/-10

Optical parameter

Product name	No. of LED	Pitch in mm
PL-LIN-Z4-P 1100-xxx 280X20	24	11.7
PL-LIN-Z4-P 2000-xxx 280X20	42	6.6
PL-LIN-Z4-P 2200-xxx 560X20	48	11.7
PL-LIN-Z4-P 4000-xxx 560X20	84	6.6

Temperature ratings

T_p (performance temperature)	55°C
T_c max (maximum temperature)	75°C
T_a (ambient temperature range)	-20°C < T_a < +75°C
T_{stg} (storage temperature range)	-30°C < T_a < +85°C

Lifetime Data at CRI > 80

		LxBy						
		x	70		80		90	
		y	10	50	10	50	10	50
		[mA]	Lifetime [h]					
tp [°C] = 45	I rated		50.000	50.000	50.000	50.000	23.000	30.000
tp [°C] = 55	I rated		50.000	50.000	50.000	50.000	20.000	27.000
tp [°C] = 65	I rated		50.000	50.000	35.000	47.000	18.000	24.000
tp [°C] = 75	I rated		49.000	50.000	32.000	43.000	16.000	21.000

Modularity SELV

OTi DALI (wide window driver – SELV) Dimmable

PrevaLED Linear G4-P is designed to be operated by OTi DALI drivers in parallel connection. Current setting via Tuner4Tronic software and DALI magic.

OT FIT CS (triple current driver – SELV) Non-dimmable

PrevaLED Linear G4-P is designed to be operated by OT FIT drivers in parallel connection. Current setting via cable bridge on primary side.

	Dimmable				Non-dimmable		
	OTi DALI 35/220...240/700 LT2 L	OTi DALI 50/220...240/1A4 LT2 L	OTi DALI 80/220...240/1A6 LT2 L	OTi DALI 80/220...240/2A1 LT2 L	OT FIT 35/220...240/700 CS L	OT FIT 50/220...240/1A0 CS L	OT FIT 80/220...240/1A6 CS L
1100-8xx 280x20	2-4	4-8	3-8	5-12	3-4	5-6	7-9
2000-8xx 280x20	1-2	2-4	2-5	3-7	2	3	4-5
2200-8xx 560x20	1-2	2-4	2-4	3-6	2	3	4
4000-8xx 560x20	1	1-2	1-2	2-3	2-3	3-4	5-6

Parallel connection

Modularity Non-isolated

OTi (wide window driver – Non-isolated)

PrevaLED Linear G4-P is designed to be operated by OTi and OTi DALI drivers in serial or combined serial- parallel connection. Current setting of OTi via resistor coding (LEDset) and OTi DALI via Tuner4Tronic software and DALI magic.

	Dimmable				
	OTi DALI 35/220...240/400 D LT2 UF L	OTi DALI 75/220...240/700 D LT2 UF L	OTi DALI 35/220...240/400 D LT2 L	OTi DALI 60/220...240/550 D LT2 L	OTi DALI 90/220...240/1A0 D LT2 L
1100-8xx 280x20	2-6 (Xs1p / 2sYp)	4-12 (Xs2p / 2sYp)	2-6 (Xs1p / 2sYp)	2-10 (Xs1p / 2sYp)	4-15 (Xs2p / 2sYp)
2000-8xx 280x20	2-3	2-6 (Xs1p / 2sYp)	2-3	2-5	2-6 (Xs1p / 2sYp)
2200-8xx 560x20	2-3	2-6 (Xs1p / 2sYp)	2-3	2-5	2-7 (Xs1p / 2sYp)
4000-8xx 560x20	—	2-3	—	—	2-3
serial and combined serial-parallel connection					

OTi (wide window driver – Non-isolated)

PrevaLED Linear G4 is designed to be operated by OTi and OTi DALI drivers in serial or combined serial- parallel connection. Current setting of OTi via resistor coding (LEDset) and OTi DALI via Tuner4Tronic software and DALI magic.

	Non-dimmable					
	OTi 60/220...240/550 D LT2 L	OTi 90/220...240/1A0 D LT2 L	OT FIT 50/220...240/300 D L	OT FIT 50/220...240/350 D L	OT FIT 35/220...240/350 D LT2	OT FIT 75/220...240/550 D LT2
1100-8xx 280x20	2-10 (Xs1p / 2sYp)	4-15 (Xs2p / 2sYp)	—	4-8 (Xs2p)	2-6 (Xs1p / 2sYp)	2-12 (Xs1p / 2sYp)
2000-8xx 280x20	2-5	2-6 (Xs1p / 2sYp)	2-4	—	2-3	2-6 (Xs1p / 2sYp)
2200-8xx 560x20	2-5	2-7 (Xs1p / 2sYp)	—	2-4	2-3	2-6 (Xs1p / 2sYp)
4000-8xx 560x20	—	2-3	—	—	—	—
serial and combined serial-parallel connection						

Ordering Codes

Product name	EAN (single product)	Order type	Shipping Unit
PL-LIN-Z4-P 1100-830 280X20	4052899 989399	Make to stock	60 x 1
PL-LIN-Z4-P 1100-840 280X20	4052899 989412	Make to stock	60 x 1
PL-LIN-Z4-P 2000-830 280X20	4052899 989436	Make to order	60 x 1
PL-LIN-Z4-P 2000-840 280X20	4052899 989450	Make to stock	60 x 1
PL-LIN-Z4-P 2200-830 560X20	4052899 989474	Make to order	60 x 1
PL-LIN-Z4-P 2200-840 560X20	4052899 989498	Make to stock	60 x 1
PL-LIN-Z4-P 4000-830 560X20	4052899 989511	Make to order	60 x 1
PL-LIN-Z4-P 4000-840 560X20	4052899 989535	Make to stock	60 x 1

Safety Information

- The LED module itself and all its components must not be mechanically stressed.

The modules are intended for operation only with matching OPTOTRONIC®.

To also ease the luminaire/installation approval, electronic control gear for LED or LED modules should carry the CE mark and be ENEC certified. In Europe the declarations of conformity must include the following standards:

CE: EC 61347-2-13, EN 55015, IEC 61547 and IEC 61000-3-2 - ENEC: 61347-2-13 and IEC/EN 62384.

Also check for the mark of an independent authorized certification institute.

Please see the relevant brochure for more detailed information (see "Related and Further Information")

- Installation of LED modules (with power supplies) needs to be made with regard to all applicable electrical and safety standards. Only qualified personnel should be allowed to perform installations.
- Pay attention to standard ESD precautions when installing the module.
- Photobiological safety according to IEC 62471, risk group RG1
- Max. Voltage U-OUT = 250V for operation on non-isolated and SELV LED controlgear.

Disclaimer

Subject to change without notice. Errors and omission accepted. Always make sure to use the most recent release. The latest release of the datasheet is available under the following link www.osram.com

OSRAM GmbH

Head Office:

Marcel-Breuer-Strasse 6
80807 Munich, Germany
Phone +49 89 6213-0
www.osram.com

