

Light is OSRAM

PrevaLED® Linear OP

Dimension (l x w x h)

- 489 mm x 14 mm x 6 mm
- 1095 mm x 14 mm x 6 mm



Application

- Office
- Hospitality
- Education
- Retail
- Shop
- Industry

Features

- Module efficacy: up to 160 lm/W
- CCT: 3000K, 4000K, 6500 K
- 14 mm module width - Luminous flux on
 - 489 mm: 800 lm
 - 1095 mm: 1600 lm
- Color rendering index CRI: > 80
- Initial color consistency: ≤ 3 SDCM
- Average lifetime (L80 B50): > 50.000 h at Tc = 75 °C
- CE, UKCA Certification
- For indoor application

Benefits

- Design for slim and flat luminaire fixture
- Wide range of light colors
- High homogeneity thanks to LED optical lens

Typical technical data*

Product name	Flux (lm)	CCT (K)	CRI	SDCM	Uf (V)	If (mA)	P (W)	Efficacy (lm/W)
PL-LIN-OP-800-830-489-LV	750	3000	80	3	34	150	5.1	150
PL-LIN-OP-800-840-489-LV	800	4000	80	3	34	150	5.1	160
PL-LIN-OP-800-865-489-LV	800	6500	80	3	34	150	5.1	160
PL-LIN-OP-1600-830-1095-LV	1500	3000	80	3	34	300	10.2	150
PL-LIN-OP-1600-840-1095-LV	1600	4000	80	3	34	300	10.2	160
PL-LIN-OP-1600-865-1095-LV	1600	6500	80	3	34	300	10.2	160

Typical values valid for T_p = 35°C

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%

Maximum current*

Product name	Flux (lm)	CCT (K)	CRI	SDCM	Uf (V)	If (mA)	P (W)	Efficacy (lm/W)
PL-LIN-OP-800-830-489-LV	1180	3000K	80	3	35	240	8.4	140
PL-LIN-OP-800-840-489-LV	1260	4000K	80	3	35	240	8.4	150
PL-LIN-OP-800-865-489-LV	1260	6500K	80	3	35	240	8.4	150
PL-LIN-OP-1600-830-1095-LV	2350	3000K	80	3	35	480	16.8	140
PL-LIN-OP-1600-840-1095-LV	2520	4000K	80	3	35	480	16.8	150
PL-LIN-OP-1600-865-1095-LV	2520	6500K	80	3	35	480	16.8	150

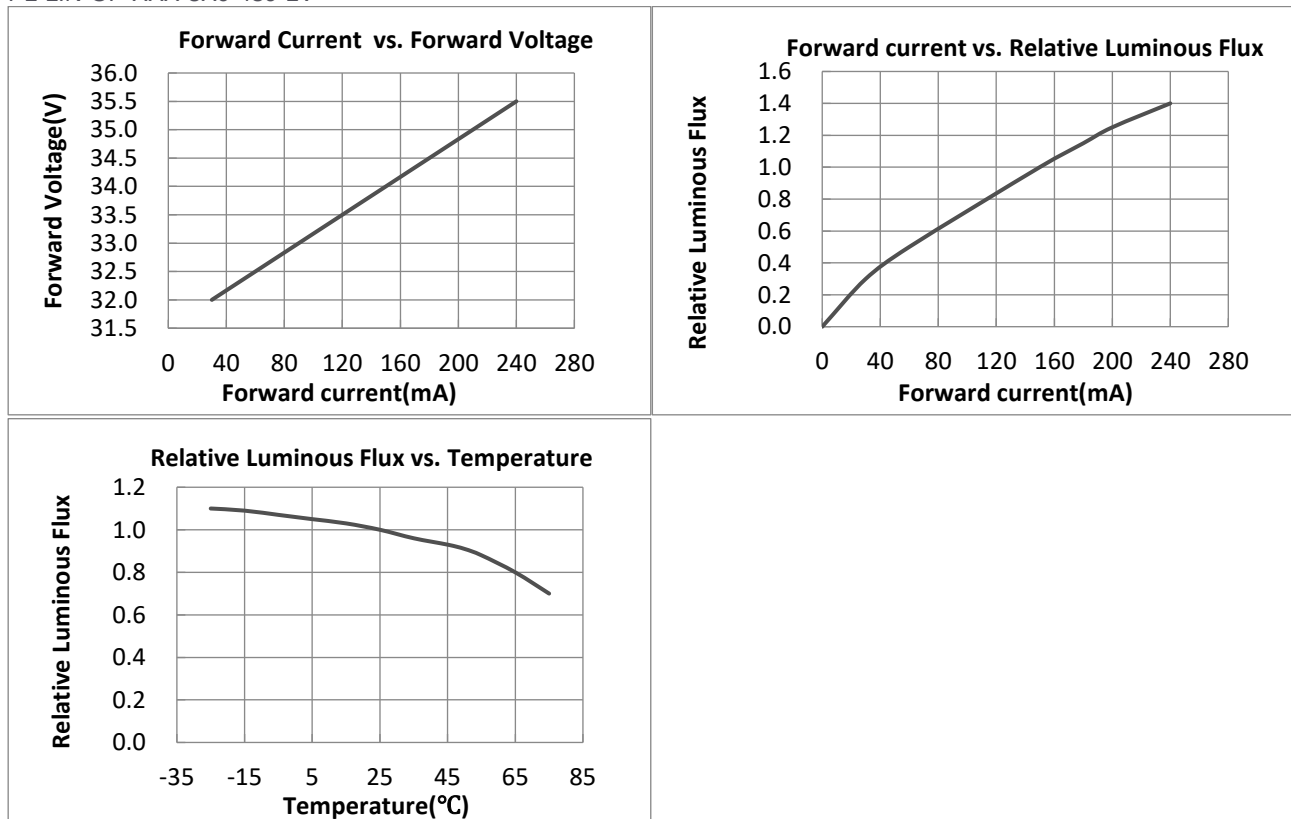
Typical values valid for T_p = 35°C

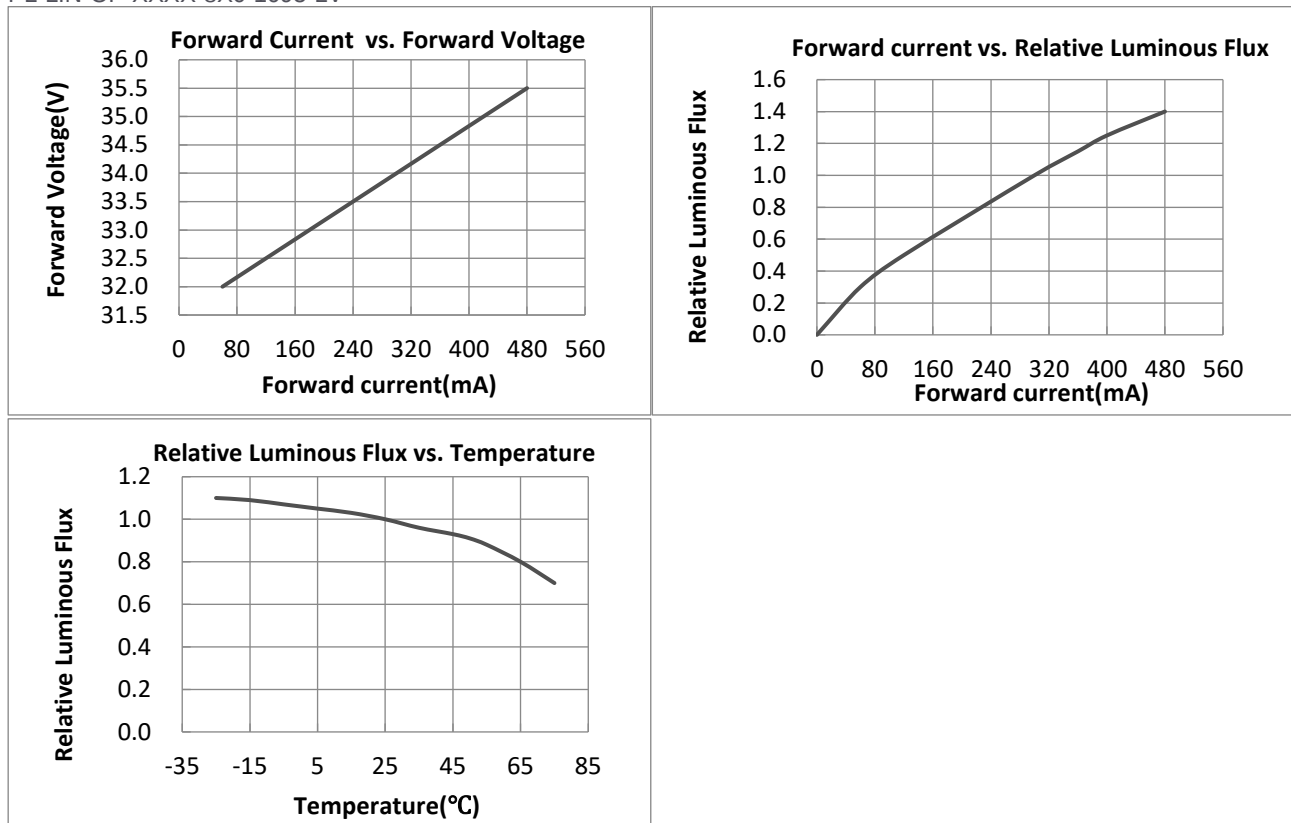
Due to the special conditions of the manufacturing processes of LED the typical data of technical parameters can only reflect statistical figures and do not necessarily correspond to the actual parameters of each single product which could differ from the typical data.

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

Performance Chat

PL-LIN-OP-XXX-8X0-489-LV





Optical parameter

Product name	No. of LED	Pitch in mm
PL-LIN-OP-750-830-489-LV	12	43.0
PL-LIN-OP-750-840-489-LV	12	43.0
PL-LIN-OP-750-865-489-LV	12	43.0
PL-LIN-OP-1600-830-1095-LV	24	46.9
PL-LIN-OP-1600-840-1095-LV	24	46.9
PL-LIN-OP-1600-865-1095-LV	24	46.9

Temperature ratings

Tp (performance temperature)	35°C
Tc max (maximum temperature)	75°C
Ta (ambient temperature range)	-25°C < Ta < +65°C
Tstg (storage temperature range)	-30°C < Ta < +85°C
Operating /Storage Humidity	5% < RH < +85%

Lifetime

PL-LIN-OP-XXX-8X0-489-LV

			LxBy					
		x	70		80		90	
		y	10	50	10	50	10	50
tp [°C]	40	I = 0.1 A	>80000	>80000	78000	>80000	41000	49000
		I = 0.15 A	>80000	>80000	73000	>80000	39000	46000
tp [°C]	50	I = 0.1 A	>80000	>80000	65000	77000	34000	40000
		I = 0.15 A	>80000	>80000	62000	73000	32000	38000
tp [°C]	60	I = 0.1 A	>80000	>80000	55000	65000	28000	33000
		I = 0.15 A	>80000	>80000	52000	63000	27000	31000
tp [°C]	70	I = 0.1 A	72000	>80000	47000	56000	23000	28000
		I = 0.15 A	70000	>80000	45000	54000	22000	27000
tp [°C]	75	I = 0.1 A	68000	>80000	43000	52000	22000	26000
		I = 0.15 A	65000	77000	41000	50000	21000	24000

PL-LIN-OP-XXXX-8X0-1095-LV

			LxBy					
		x	70		80		90	
		y	10	50	10	50	10	50
tp [°C]	40	I = 0.20 A	>80000	>80000	78000	>80000	41000	49000
		I = 0.30 A	>80000	>80000	73000	>80000	39000	46000
tp [°C]	50	I = 0.20 A	>80000	>80000	65000	77000	34000	40000
		I = 0.30 A	>80000	>80000	62000	73000	32000	38000
tp [°C]	60	I = 0.20 A	>80000	>80000	55000	65000	28000	33000
		I = 0.30 A	>80000	>80000	52000	63000	27000	31000
tp [°C]	70	I = 0.20 A	72000	>80000	47000	56000	23000	28000
		I = 0.30 A	70000	>80000	45000	54000	22000	27000
tp [°C]	75	I = 0.20 A	68000	>80000	43000	52000	22000	26000
		I = 0.30 A	65000	77000	41000	50000	21000	24000

Ordering Codes

Product name	EAN 10	EAN 40	Order type	Shipping Unit
PL-LIN-OP-800-830-489-LV	4062172311304	4062172311328	ATO	60 x 1
PL-LIN-OP-800-840-489-LV	4062172311335	4062172311359	ATO	60 x 1
PL-LIN-OP-800-865-489-LV	4062172311366	4062172311380	ATO	60 x 1
PL-LIN-OP-1600-830-1095-LV	4062172311397	4062172311410	MTO	60 x 1
PL-LIN-OP-1600-840-1095-LV	4062172311427	4062172311441	MTO	60 x 1
PL-LIN-OP-1600-865-1095-LV	4062172311458	4062172311472	MTO	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:
EN IEC 62031, EN 61547, IEC/TR 62778 , EN IEC 63000

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.
- Max. Voltage U-OUT = 60V for operation on SELV LED control gear.
- The final luminaire assembled with modules must be well packaged with carton.

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

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