

Light is OSRAM

Product Datasheet

Basic 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 140 lm/W
- CCT: 3000K, 4000K, 6500 K
- 14 mm module width - Luminous flux on
 - 489 mm: 750 lm
 - 1095 mm: 1500 lm
- Color rendering index CRI: > 80
- Initial color consistency: ≤ 5 SDCM
- Average lifetime (L80 B50): > 35.000 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)
BA-LIN-OP-750-830-489-LV	700	3000	80	5	35	150	5.3	133
BA-LIN-OP-750-840-489-LV	750	4000	80	5	35	150	5.3	140
BA-LIN-OP-750-865-489-LV	750	6500	80	5	35	150	5.3	140
BA-LIN-OP-1500-830-1095-LV	1400	3000	80	5	35	300	10.6	133
BA-LIN-OP-1500-840-1095-LV	1500	4000	80	5	35	300	10.6	140
BA-LIN-OP-1500-865-1095-LV	1500	6500	80	5	35	300	10.6	140

Typical values valid for $T_p = 35^\circ\text{C}$

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)
BA-LIN-OP-750-830-489-LV	787	3000K	80	5	35.5	180	6.3	125
BA-LIN-OP-750-840-489-LV	820	4000K	80	5	35.5	180	6.3	130
BA-LIN-OP-750-865-489-LV	820	6500K	80	5	35.5	180	6.3	130
BA-LIN-OP-1500-830-1095-LV	1575	3000K	80	5	35.5	360	12.6	125
BA-LIN-OP-1500-840-1095-LV	1640	4000K	80	5	35.5	360	12.6	130
BA-LIN-OP-1500-865-1095-LV	1640	6500K	80	5	35.5	360	12.6	130

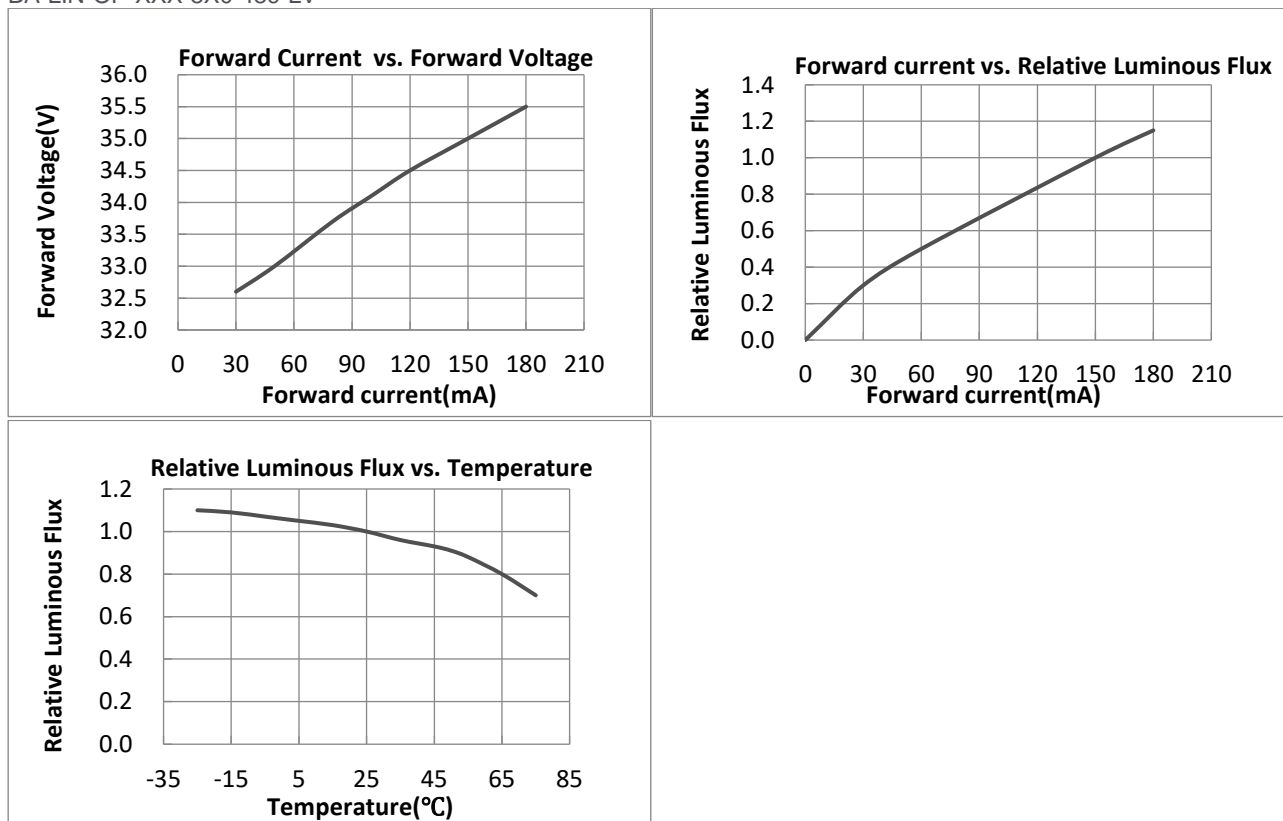
Typical values valid for $T_p = 35^\circ\text{C}$

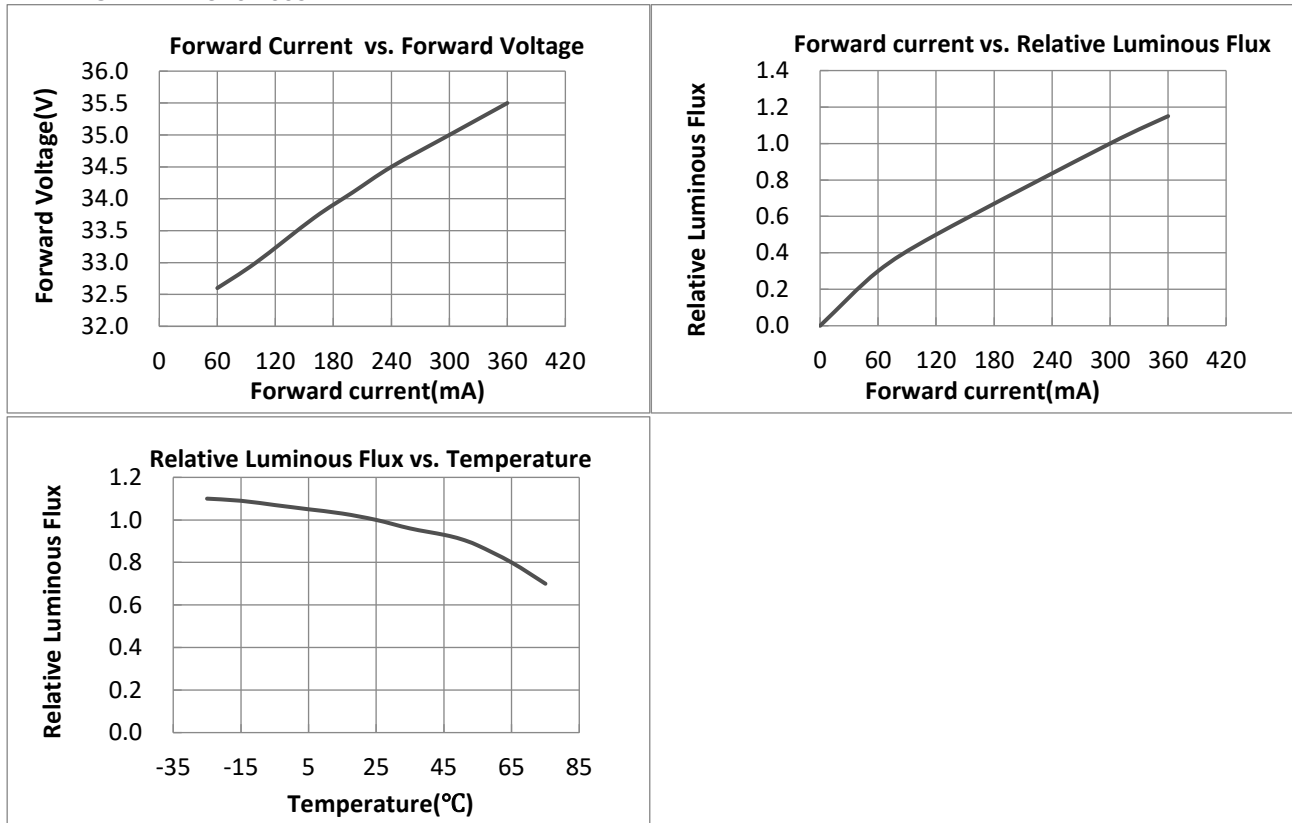
Due to the special conditions of the manufacturing processes of LED the typical data of technical parameters can only reflect statistical figures and do not necessarily correspond to the actual parameters of each single product which could differ from the typical data.

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

Performance Chart

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





Optical parameter

Product name	No. of LED	Pitch in mm
BA-LIN-OP-750-830-489-LV	8	67.6
BA-LIN-OP-750-840-489-LV	8	67.6
BA-LIN-OP-750-865-489-LV	8	67.6
BA-LIN-OP-1500-830-1095-LV	16	72.0
BA-LIN-OP-1500-840-1095-LV	16	72.0
BA-LIN-OP-1500-865-1095-LV	16	72.0

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

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

		LxBy						
		x	70		80		90	
		y	10	50	10	50	10	50
tp [°C]	40	I = 0.10 A	>70000	>70000	57000	67000	30000	35000
		I = 0.15 A	>70000	>70000	50000	59000	25000	30000
tp [°C]	50	I = 0.10 A	>70000	>70000	48000	57000	25000	29000
		I = 0.15 A	65000	>70000	42000	50000	21000	25000
tp [°C]	60	I = 0.10 A	63000	>70000	41000	49000	20000	25000
		I = 0.15 A	57000	67000	36000	43000	18000	21000
tp [°C]	70	I = 0.10 A	55000	66000	35000	42000	17000	20000
		I = 0.15 A	49000	59000	31000	37000	15000	18000
tp [°C]	75	I = 0.10 A	51000	62000	32000	39000	16000	19000
		I = 0.15 A	46000	55000	29000	35000	14000	17000

BA-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	>70000	>70000	57000	67000	30000	35000
		I = 0.30 A	>70000	>70000	50000	59000	25000	30000
tp [°C]	50	I = 0.20 A	>70000	>70000	48000	57000	25000	29000
		I = 0.30 A	65000	>70000	42000	50000	21000	25000
tp [°C]	60	I = 0.20 A	63000	>70000	41000	49000	20000	25000
		I = 0.30 A	57000	67000	36000	43000	18000	21000
tp [°C]	70	I = 0.20 A	55000	66000	35000	42000	17000	20000
		I = 0.30 A	49000	59000	31000	37000	15000	18000
tp [°C]	75	I = 0.20 A	51000	62000	32000	39000	16000	19000
		I = 0.30 A	46000	55000	29000	35000	14000	17000

Ordering Codes

Product name	EAN 10	EAN 40	Order type	Shipping Unit
BA-LIN-OP-750-830-489-LV	4062172311564	4062172311588	ATO	60 x 1
BA-LIN-OP-750-840-489-LV	4062172311595	4062172311618	ATO	60 x 1
BA-LIN-OP-750-865-489-LV	4062172311625	4062172311649	ATO	60 x 1
BA-LIN-OP-1500-830-1095-LV	4062172311656	4062172311670	MTO	60 x 1
BA-LIN-OP-1500-840-1095-LV	4062172311687	4062172311700	MTO	60 x 1
BA-LIN-OP-1500-865-1095-LV	4062172311717	4062172311731	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®, ICUTRONIC® and ELEMENT.

To also ease the luminaire/installation approval, electronic control gear for LED or LED modules should carry the CE mark. 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

OSRAM GmbH

Head Office:

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

