

## BoxLED Indoor L Plus

LED modules for light advertising and backlighting



### Areas of application

- Signage and illuminated advertising
- Illumination of single and double-sided light boxes

### Product family benefits

- Modules are compatible with BackLED mounting profile
- Uniform illumination thanks to optimized elliptical lenses
- Several options for quick and simple mounting: bolting or snap-in
- Very high module efficacy: up to 106 lm/W
- Consistent white light (Standard Deviation of Color Matching SDCM: < 3)
- Very long lifetime: up to 50,000 h (L70/B50)
- ENEC certified
- 5 year guarantee

### Product family features

- Chain of 16 linear LED modules for EU market, 20 linear LED modules for Asian
- Connected with flexible cables



## Product family datasheet

### Technical data

#### Electrical data

Product description	Nominal voltage	Nominal wattage per chain	Nominal wattage per LED module	Accidental reverse input voltage protection up to	Input voltage range	Type of current
BXI-L-PL 830 G1 <sup>1)</sup>	24.0 V	96.00 W	6.0 W	25 V	23...25 V	DC
BXI-L-PL 840 G1 <sup>1)</sup>	24.0 V	96.00 W	6.0 W	25 V	23...25 V	DC
BXI-L-PL 865 G1 <sup>1)</sup>	24.0 V	96.00 W	6.0 W	25 V	23...25 V	DC

<sup>1)</sup> See product remark

#### Photometrical data

Product description	Color temperature	Light color (designation)	Light color LED	Luminous flux per module chain	Luminous flux per LED module	Luminous efficacy
BXI-L-PL 830 G1 <sup>1)</sup>	3000 K	Warm White	White	9600 lm	600 lm	100/90 lm/W <sup>2)</sup>
BXI-L-PL 840 G1 <sup>1)</sup>	4000 K	Neutral White	White	10200 lm	638 lm	106/96 lm/W <sup>2)</sup>
BXI-L-PL 865 G1 <sup>1)</sup>	6500 K	Cool White	White	10200 lm	638 lm	106/96 lm/W <sup>2)</sup>

Product description	Standard deviation of color matching
BXI-L-PL 830 G1 <sup>1)</sup>	≤3 sdc
BXI-L-PL 840 G1 <sup>1)</sup>	≤3 sdc
BXI-L-PL 865 G1 <sup>1)</sup>	≤3 sdc

<sup>1)</sup> See product remark

<sup>2)</sup> Cool conditions (T<sub>c</sub> = 25 °C) / Steady state (T<sub>a</sub> = 25 °C)

#### Light technical data

Product description	Beam angle
BXI-L-PL 830 G1 <sup>1)</sup>	12 ° x 70 °
BXI-L-PL 840 G1 <sup>1)</sup>	12 ° x 70 °
BXI-L-PL 865 G1 <sup>1)</sup>	12 ° x 70 °

<sup>1)</sup> See product remark

## Product family datasheet

### LED module information

Product description	Number of LEDs per module	Number of LED modules per chain	Minimum operable number of LED modules
BXI-L-PL 830 G1 <sup>1)</sup>	24	16	1
BXI-L-PL 840 G1 <sup>1)</sup>	24	16	1
BXI-L-PL 865 G1 <sup>1)</sup>	24	16	1

<sup>1)</sup> See product remark

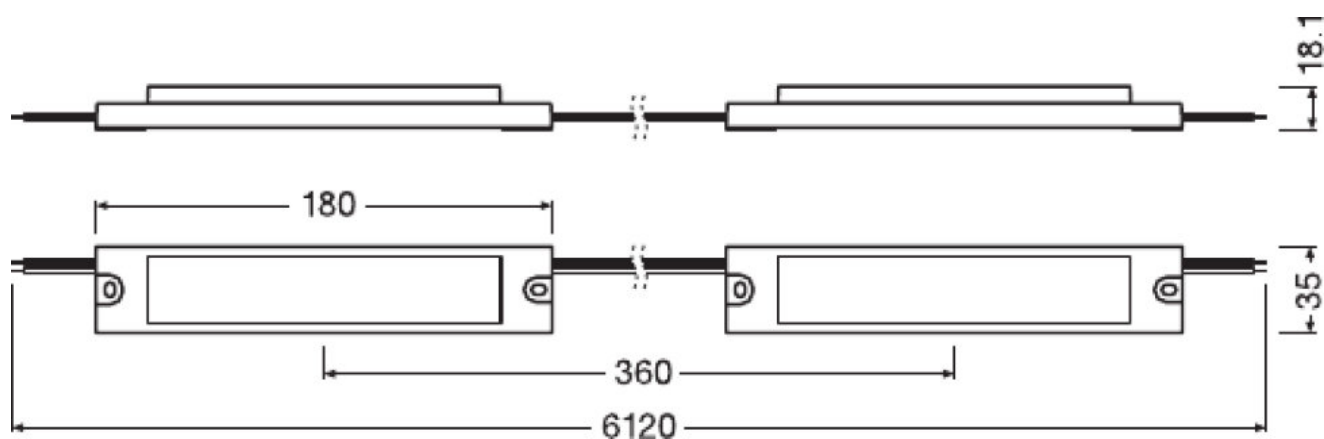
### Dimensions & weight

Product description	Product weight
BXI-L-PL 830 G1 <sup>1)</sup>	796.00 g <sup>2)</sup>
BXI-L-PL 840 G1 <sup>1)</sup>	796.00 g <sup>2)</sup>
BXI-L-PL 865 G1 <sup>1)</sup>	796.00 g <sup>2)</sup>

<sup>1)</sup> See product remark

<sup>2)</sup> Per chain

### — Product line drawing



BXI-L-PL 830 G1, BXI-L-PL 840 G1, BXI-L-PL 865 G1

## Product family datasheet

### Temperatures & operating conditions

Product description	Temperature range in operation at T <sub>c</sub> point	Temperature range at storage
BXI-L-PL 830 G1 <sup>1)</sup>	-25...60 °C <sup>2)</sup>	-25...85 °C
BXI-L-PL 840 G1 <sup>1)</sup>	-25...60 °C <sup>2)</sup>	-25...85 °C
BXI-L-PL 865 G1 <sup>1)</sup>	-25...60 °C <sup>2)</sup>	-25...85 °C

<sup>1)</sup> See product remark

<sup>2)</sup> At the T<sub>c</sub> point

### Lifespan

Product description	Lifespan
BXI-L-PL 830 G1 <sup>1)</sup>	50000 h <sup>2)</sup>
BXI-L-PL 840 G1 <sup>1)</sup>	50000 h <sup>2)</sup>
BXI-L-PL 865 G1 <sup>1)</sup>	50000 h <sup>2)</sup>

<sup>1)</sup> See product remark

<sup>2)</sup> L70/B50 at T<sub>c</sub> 60 °C

### Capabilities

Product description	Dimmable	Dimming range
BXI-L-PL 830 G1 <sup>1)</sup>	Yes	1...100 %
BXI-L-PL 840 G1 <sup>1)</sup>	Yes	1...100 %
BXI-L-PL 865 G1 <sup>1)</sup>	Yes	1...100 %

<sup>1)</sup> See product remark

### Certificates & standards

Product description	Energy consumption	Energy efficiency class	Type of protection
BXI-L-PL 830 G1 <sup>1)</sup>	96 kWh/1000h	A+	IP20
BXI-L-PL 840 G1 <sup>1)</sup>	96 kWh/1000h	A+	IP20
BXI-L-PL 865 G1 <sup>1)</sup>	96 kWh/1000h	A+	IP20

Product description	Standards
BXI-L-PL 830 G1 <sup>1)</sup>	Acc. to IEC 62471/Acc. to IEC 60598-1/Acc. to EN 60529/Acc. to EN 62031/Acc. to EN 55015/Acc. to EN 61547/ENEC
BXI-L-PL 840 G1 <sup>1)</sup>	Acc. to IEC 62471/Acc. to IEC 60598-1/Acc. to EN 60529/Acc. to EN 62031/Acc. to EN 55015/Acc. to EN 61547/ENEC

## Product family datasheet

Product description	Standards
BXI-L-PL 865 G1 <sup>1)</sup>	Acc. to IEC 62471/Acc. to IEC 60598-1/Acc. to EN 60529/Acc. to EN 62031/Acc. to EN 55015/Acc. to EN 61547/ENEC

<sup>1)</sup> See product remark

### Logistical data

Product description	Commodity code
BXI-L-PL 830 G1 <sup>1)</sup>	940540399000
BXI-L-PL 840 G1 <sup>1)</sup>	940540399000
BXI-L-PL 865 G1 <sup>1)</sup>	940540399000

<sup>1)</sup> See product remark

### Product remark

Modules perfectly matched to OSRAM OPTOTRONIC LED drivers (see relevant table)/For current photometric data and important safety, installation and application information (see [www.osram.com/led-systems](http://www.osram.com/led-systems))./All the technical parameters apply to the entire module. In view of the complex manufacturing process for light emitting diodes, the typical values given above for the technical LED parameters are merely statistical values that do not necessarily correspond to the actual technical parameters of an individual product; individual products may vary from the typical values

### Equipment / Accessories

- Several types of OPTOTRONIC 24 V power supplies available




### Application advice

For more detailed application information and graphics please see product datasheet.











### Sales and Technical Support

Sales and Technical Support [www.osram.com](http://www.osram.com)

### Download Data

File
 User instruction UI_BoxLED_Indoor_L_Plus
 Certificates UL Certificate BX-M-PL G3 and BXI-L-PL G3
 Certificates ENEC certificate BoxLED Indoor L Plus G1

## Product family datasheet

	Declarations of conformity 539634_Manufacturer declaration BoxLED L Plus G15
	CAD data CAD Data BoxLED Indoor L Plus G1
	CAD data 3-dim CAD Data BoxLED Indoor L Plus G1
	CAD data PDF CAD data PDF BoxLED Indoor L Plus G1
	Eulumdat Eulumdat BXI L PL 830 G1 LDT
	IES data IES Data BXI L PL 830 G1
	Eulumdat Eulumdat BXI L PL 840 G1 LDT
	IES data IES Data BXI L PL 840 G1
	Eulumdat Eulumdat BXI L PL 865 G1 LDT
	IES data IES Data BXI L PL 865 G1

### Logistical Data

Product code	Product description	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Volume	Gross weight
4052899518230	BXI-L-PL 830 G1	Shipping carton box 5	455 mm x 365 mm x 268 mm	44.51 dm <sup>3</sup>	9996.00 g
4052899518216	BXI-L-PL 840 G1	Shipping carton box 5	455 mm x 365 mm x 268 mm	44.51 dm <sup>3</sup>	9996.00 g
4052899518193	BXI-L-PL 865 G1	Shipping carton box 5	455 mm x 365 mm x 268 mm	44.51 dm <sup>3</sup>	9996.00 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.

### Accessories Optional

Product description	Accessory name	Accessory code
BXI-L-PL 830 G1	BX -MP	▶ 4008321981110
BXI-L-PL 840 G1	BX -MP	▶ 4008321981110
BXI-L-PL 865 G1	BX -MP	▶ 4008321981110

### References / Links

## Product family datasheet

For more information on the multi-level guarantee and the terms and conditions of the guarantee visit

▶ [www.osram.com/system-guarantee](http://www.osram.com/system-guarantee)

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### Disclaimer

Subject to change without notice. Errors and omission excepted. Always make sure to use the most recent release.