

BoxLED Indoor L Plus

LED modules for light advertising and backlighting



Product family features

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

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

Areas of application

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



Product family datasheet

Technical data

Product description	Electrical data						Photometrical data
	Nominal voltage	Nominal wattage per chain	Nominal wattage per LED module	Accidental reverse input voltage protection up to	Input voltage range	Type of current	Color temperature
BXI-L-PL 865 G1 ¹⁾	24.0 V	96.00 W	6.0 W	25 V	23...25 V	DC	6500 K

Product description	Light color (designation)	Light color LED	Luminous flux per module chain	Luminous flux per LED module	Luminous efficacy	Standard deviation of color matching
BXI-L-PL 865 G1 ¹⁾	Cool White	White	10200 lm	638 lm	106/96 lm/W ²⁾	≤3 sdcm

Product description	LED module information			Dimensions & weight	Temperatures & operating conditions	
	Number of LEDs per module	Number of LED modules per chain	Minimum operable number of LED modules	Product weight	Temperature range in operation at Tc point	Temperature range at storage
BXI-L-PL 865 G1 ¹⁾	24	16	1	796.00 g ³⁾	-25...60 °C ⁴⁾	-25...85 °C

Product description	Lifespan	Certificates & standards		
	Lifespan	Energy consumption	Type of protection	Standards
BXI-L-PL 865 G1 ¹⁾	50000 h ⁵⁾	96 kWh/1000h	IP20	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 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
BXI-L-PL 865 G1 ¹⁾	94054231000	07-07-2023	4052899518193	No declarable substances contained

Product family datasheet

Product description	Declaration No. in SCIP database
BXI-L-PL 865 G1 ¹⁾	No declarable substances contained

¹⁾ 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)/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

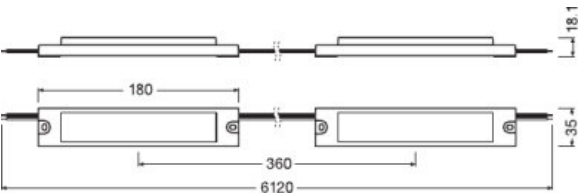
²⁾ Cool conditions (Tc = 25 °C) / Steady state (Ta = 25 °C)

³⁾ Per chain

⁴⁾ At the T_c point

⁵⁾ L70/B50 at T_c 60 °C

Product family datasheet



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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

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File	
	User instruction UI_BoxLED_Indoor_L_Plus
	Brochures Technical application guide BackLED and BoxLED portfolio (EN)
	Certificates UL Certificate BX-M-PL G3 and BXI-L-PL G3
	Certificates ENEC certificate BoxLED Indoor L Plus G1
	Declarations of conformity 539634_Manufacturer declaration BoxLED L Plus G15
	Declarations of conformity BOXLED L PLUS CE 3402819 05 240723
	CAD data CAD Data BoxLED Indoor L Plus G1

Product family datasheet

	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 865 G1 LDT
	IES data IES Data BXI L PL 865 G1

Ecodesign regulation information:

- This product is considered to be a "containing product" in the sense of Regulations (EU) 2019/2020 and (EU) 2019/2015.
- Tolerances of the reported values, are according to LED Modules Performance standard IEC/EN 62717.
- In general, the replacement of the contained light sources without permanent damage to the product with the use of common available tools is possible in the final application when they can be dismantled from the installation environment and substituted for the necessary number of light sources restoring its full electrical/mechanical/thermal/optical functionality by means of a professional installer.
- Dismantling of light sources from containing products at end of life: Containing products with light sources which are scalable in length can be cut to the length of the contained light source and if applicable mechanically detached from protective and/or optical covers. Containing products shall be separated from building material and/or from other additional mounting accessories by means of a professional installer. 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
4052899518193	BXI-L-PL 865 G1	Shipping carton box 5	455 mm x 365 mm x 268 mm	44.51 dm ³	6916.00 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.

References / Links

For more information on the multi-level guarantee and the terms and conditions of the guarantee visit [https://](https://www.inventronics-light.com/multilevel-guarantees)

- ▶ www.inventronics-light.com/multilevel-guarantees

Disclaimer

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