OSRAM

BXI-L-PL 865 G1

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 datasheet

Technical data

Electrical data

Nominal voltage	24.0 V
Nominal wattage per chain	96.00 W
Nominal wattage per LED module	6.0 W
Accidental reverse input voltage protection up to	25 V
Input voltage range	23...25 V
Type of current	DC

Photometrical data

Rated color temperature	6500 K
Light color (designation)	Cool White
Light color LED	White
Luminous flux per module chain	10200 lm
Luminous flux per LED module	638 lm
Luminous efficacy	106/96 lm/W [1]
Standard deviation of color matching	≤3 sdcm
Color temperature	6500 K
Color rendering index Ra	>80

[1] Cool conditions (Tc = 25 °C) / Steady state (Ta = 25 °C)

LED module information

Number of LEDs per module	24
Number of LED modules per chain	16
Minimum operable number of LED modules	1

Dimensions & weight
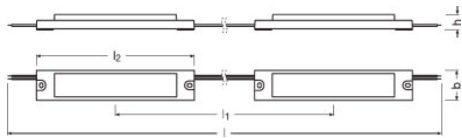
Product weight	796.00 g [1]

Product datasheet

Length	180.0 mm [2]
Width	35.0 mm
Height	18.1 mm
Module length	110.0 mm
Module pitch	174 mm

[1] Per chain

[2] Maximum LED pitch 360 mm

Temperatures & operating conditions

Temperature range in operation at Tc point	-25...60 °C [1]
Temperature range at storage	-25...85 °C

[1] At the T_c point

Lifespan

Lifespan	50000 h [1]

[1] L70/B50 at T_c 60 °C

Additional product data

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)./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

Certificates & standards

Energy consumption	96 kWh/1000h
Type of protection	IP20
Standards	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
Approval marks – approval	CE / UL listed / ENEC
Energy efficiency class of the contained light source	G

Logistical data

Commodity code	94054231000

Environmental information

Product datasheet

Information according Art. 33 of EU Regulation (EC) 1907/2006 (REACh)	
Date of Declaration	07-07-2023
Primary Article Identifier	4052899518193
Candidate List Substance 1	No declarable substances contained
Declaration No. in SCIP database	No declarable substances contained

484525_5 Year Osram Guarante
(GB)

Equipment / Accessories

— – Several types of OPTOTRONIC 24 V power supplies available

Download Data

	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
	CAD data 3-dim CAD Data BoxLED Indoor L Plus G1

Product datasheet

📕	**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 dm³	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://
- 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.