

BXI-L-PL 840 G1

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



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	4000 K
Light color (designation)	Neutral 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 sdc _m
Color temperature	4000 K
Color rendering index Ra	>80

¹⁾ Cool conditions (T_c = 25 °C) / Steady state (T_a = 25 °C)

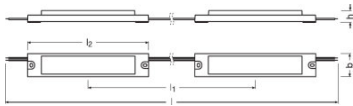
Light technical data

Beam angle	12 ° x 70 °
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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⁾
Length	180.0 mm ²⁾
Width	35.0 mm
Height	18.1 mm

¹⁾ Per chain

²⁾ Maximum LED pitch 360 mm

Temperatures & operating conditions

Temperature range in operation at T_c point	-25...60 °C ¹⁾
Temperature range at storage	-25...85 °C

¹⁾ At the T_c point

Lifespan

Lifespan	50000 h ¹⁾
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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
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Capabilities

Dimmable	Yes
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Product datasheet

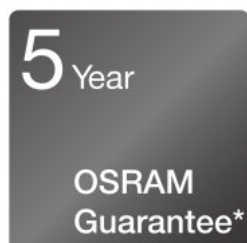
Dimming range	1...100 %
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Certificates & standards

Energy consumption	96 kWh/1000h
Energy efficiency class	A+
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

Logistical data

Commodity code	940540399000
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Guarantee





Equipment / Accessories

– Several types of OPTOTRONIC 24 V power supplies available

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
	Declarations of conformity 539634_Manufacturer declaration BoxLED L Plus G15
	CAD data CAD Data BoxLED Indoor L Plus G1

Product 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 840 G1 LDT
	IES data IES Data BXI L PL 840 G1

Logistical Data

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

References / Links

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

- ▶ www.osram.com/system-guarantee

Disclaimer

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