BoxLED XS Plus G3

LED modules for light advertising and backlighting



Product family features

- Connected with flexible cables
- Type of protection (modules): IP66/IP68
- Single bin LEDs for all CCTs
- Consistent white light: < 3 SDCM
- CE marked, ENEC certified, UL recognized component

Product family benefits

- Uniform illumination thanks to optimized lenses embedded on module body
- Click and Play: quick and easy click-in of the LED modules, no tools needed
- Dimming capability: 1...10 V, DALI and DMX methods
- Very long lifetime: up to 50,000 h (L70/B50)
- 5 year guarantee

Areas of application

- Permanent outdoor use in enclosed light boxes
- Signage and illuminated advertising
- Illumination of single and double-sided light boxes
- Wallwashing, cove lighting

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Technical data

Electrical data

Product description	Nominal voltage	Nominal wattage per LED module	Accidental reverse input voltage protection up to	Input voltage range	Type of current
BX-XS-PL 865 G3 [1)]	12.0 V	1.31 W	13 V	12…13 V	DC
BX-XS-PL 840 G3 [1)]	12.0 V	1.31 W	13 V	12…13 V	DC
BX-XS-PL 830 G3 [1)]	12.0 V	1.31 W	13 V	12…13 V	DC

1) See product remark

Photometrical data

Product description	Light color LED	Luminous flux per module chain	Light color (designation)	Luminous efficacy	Standard deviation of color matching
BX-XS-PL 865 G3 [1)]	White	4320 lm	Cool White	107/99 lm/W [2)]	≤3 sdcm
BX-XS-PL 840 G3 [1)]	White	4320 lm	Neutral White	107/99 lm/W [2)]	≤3 sdcm
BX-XS-PL 830 G3 [1)]	White	4320 lm	Warm White	107/99 lm/W [2)]	≤3 sdcm

1) See product remark

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

LED module information

Product description	Number of LED modules per chain	Number of LEDs per module	Minimum operable number of LED modules
BX-XS-PL 865 G3 [1)]	32	3	1
BX-XS-PL 840 G3 [1)]	32	3	1
BX-XS-PL 830 G3 [1)]	32	3	1

1) See product remark

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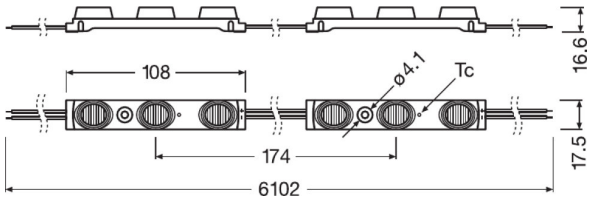
Dimensions & weight

Product description	Product weight
BX-XS-PL 865 G3 [1]	780.00 g [2]
BX-XS-PL 840 G3 [1]	780.00 g [2]
BX-XS-PL 830 G3 [1]	780.00 g [2]

[1] See product remark

[2] Per chain

Product line drawing



BX-XS-PL 865 G3, BX-XS-PL 840 G3, BX-XS-PL 830 G3

Temperatures & operating conditions

Product description	Temperature range in operation at Tc point	Temperature range at storage
BX-XS-PL 865 G3 [1]	-25…70 °C [2]	-25…85 °C
BX-XS-PL 840 G3 [1]	-25…70 °C [2]	-25…85 °C
BX-XS-PL 830 G3 [1]	-25…70 °C [2]	-25…85 °C

[1] See product remark

[2] At the T_c point

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Additional product data

Product description	Predecessor EAN
BX-XS-PL 865 G3 [1)]	4052899269651, 4052899438903
BX-XS-PL 840 G3 [1)]	4052899269736, 4052899438989
BX-XS-PL 830 G3 [1)]	4052899269811, 4052899438965

[1)] See product remark

Capabilities

Product description	Dimming range
BX-XS-PL 865 G3 [1)]	1...100 %
BX-XS-PL 840 G3 [1)]	1...100 %
BX-XS-PL 830 G3 [1)]	1...100 %

[1)] See product remark

Certificates & standards

Product description	Energy consumption	Type of protection	Standards
BX-XS-PL 865 G3 [1)]	47 kWh/1000h	IP66/IP68	Acc. to IEC 62031
BX-XS-PL 840 G3 [1)]	47 kWh/1000h	IP66/IP68	Acc. to IEC 62031
BX-XS-PL 830 G3 [1)]	47 kWh/1000h	IP66/IP68	Acc. to IEC 62031

[1)] See product remark

Logistical data

Product description	Commodity code
BX-XS-PL 865 G3 [1)]	94054231000
BX-XS-PL 840 G3 [1)]	94054231000
BX-XS-PL 830 G3 [1)]	94054231000

[1)] See product remark

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Environmental information
Information according Art. 33 of EU Regulation (EC) 1907/2006 (REACh)

Product description	Date of Declaration	Primary Article Identifier	Candidate List Substance 1
BX-XS-PL 865 G3 [1)]	28-02-2023	4052899989696	No declarable substances contained
BX-XS-PL 840 G3 [1)]	28-02-2023	4052899989719	No declarable substances contained
BX-XS-PL 830 G3 [1)]	28-02-2023	4052899989733	No declarable substances contained

Product description	Declaration No. in SCIP database
BX-XS-PL 865 G3 [1)]	No declarable substances contained
BX-XS-PL 840 G3 [1)]	No declarable substances contained
BX-XS-PL 830 G3 [1)]	No declarable substances contained

[1)] 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)./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/In development, data preliminary

Equipment / Accessories

- Several types of OPTOTRONIC 12 V LED drivers available
- Mounting profile BA-MP

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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Download Data

	File
	User instruction BoxLED XS Plus G3
	Brochures Technical application guide BackLED and BoxLED portfolio (EN)
	Declarations of conformity Declaration of Conformity BoxLED XS Plus G3
	Eulumdat Eulumdat file BX-XS-PL G3

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
4052899989696	BX-XS-PL 865 G3	Shipping carton box 5	410 mm x 307 mm x 291 mm	36.63 dm^3	5688.00 g
4052899989719	BX-XS-PL 840 G3	Shipping carton box 5	410 mm x 307 mm x 291 mm	36.63 dm^3	5689.00 g
4052899989733	BX-XS-PL 830 G3	Shipping carton box 5	410 mm x 307 mm x 291 mm	36.63 dm^3	5689.00 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

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Product description	Accessory name	Accessory code
BX-XS-PL 865 G3	BA -MP	4052899145863
BX-XS-PL 840 G3	BA -MP	4052899145863
BX-XS-PL 830 G3	BA -MP	4052899145863

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

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