OSRAM

BX-XS-PL 840 G3

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

Product datasheet

Electrical data

Nominal voltage	12.0 V
Nominal wattage per chain	42.00 W
Nominal wattage per LED module	1.31 W
Accidental reverse input voltage protection up to	13 V
Input voltage range	12...13 V
Type of current	DC

Photometrical data

Rated color temperature	4000 K
Light color LED	White
Luminous flux per module chain	4320 lm
Luminous flux per LED module	140 lm
Light color (designation)	Neutral White
Luminous efficacy	107/99 lm/W [1]
Standard deviation of color matching	≤3 sdcm
Color temperature	4000 K
Color rendering index Ra	≥80

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

LED module information

Number of LED modules per chain	32
Number of LEDs per module	3
Minimum operable number of LED modules	1

Dimensions & weight
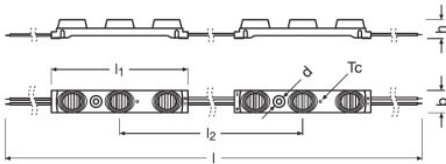
Product weight	780.00 g [1]

Length	6102 mm
Width	17.5 mm
Height	16.0 mm
Module length	108.0 mm
Module pitch	174 mm

[1] Per chain

Temperatures & operating conditions

Temperature range in operation at Tc point	-25...70 °C [1]
Temperature range at storage	-25...85 °C

[1] At the T_c point

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/In development, data preliminary
Predecessor EAN	4052899269736, 4052899438989

Capabilities

Dimming range	1...100 %

Certificates & standards

Energy consumption	47 kWh/1000h
Type of protection	IP66/IP68
Standards	Acc. to IEC 62031
Approval marks – approval	ENEC / CE / UL recognized component
Energy efficiency class of the contained light source	F

Logistical data

Commodity code	94054231000

Environmental information

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

Product datasheet

Date of Declaration	28-02-2023
Primary Article Identifier	4052899989719
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 12 V LED drivers available
– Mounting profile BA-MP

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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

Product datasheet

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
4052899989719	BX-XS-PL 840 G3	Shipping carton box 5	410 mm x 307 mm x 291 mm	36.63 dm³	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.

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.