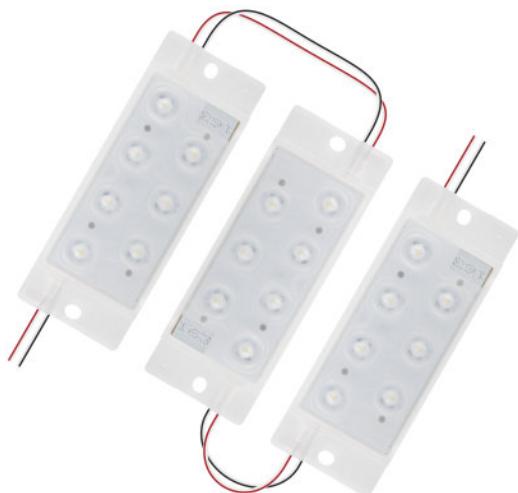


BackLED XL Plus G3

LED modules for light advertising and backlighting



Product family features

- Connected with flexible cables
- Type of protection (modules): IP66/IP68
- Color rendering index R_a : > 80
- Single bin LEDs for all CCTs
- Consistent white light: < 3 SDCM
- CE marked, ENEC certified, UL recognized component

Product family benefits

- Uniform illumination at high LED pitches thanks to Square Lens technology
- Click and Play: quick and easy click-in of the LED modules, no tools needed
- High module efficacy: up to 135 lm/W
- Dimming capability: 1...10 V, DALI and DMX methods
- Lifetime (L70/B50): 50,000 h (temperature at $T_c = 70\text{ °C}$)
- 5 year guarantee

Areas of application

- Signage and illuminated advertising
- Backlighting of single and double-sided light boxes
- Permanent outdoor use in enclosed light boxes
- Architectural and decorative applications



Product family datasheet

Technical data

Electrical data

Product description	Nominal voltage	Nominal wattage per chain	Nominal wattage per LED module	Accidental reverse input voltage protection up to	Input voltage range	Type of current
BA-XL-PL 830 G3 ¹⁾	24.0 V	70.00 W	2.2 W	25 V	23...25 V	DC
BA-XL-PL 840 G3 ¹⁾	24.0 V	70.00 W	2.2 W	25 V	23...25 V	DC
BA-XL-PL 865 G3 ¹⁾	24.0 V	70.00 W	2.2 W	25 V	23...25 V	DC

¹⁾ See product remark

Photometrical data

Product description	Color temperature	Color rendering index Ra	Light color (designation)	Light color LED	Luminous flux per module chain	Luminous flux per LED module	Luminous efficacy
BA-XL-PL 830 G3 ¹⁾	3000 K	≥80	Warm White	Warm white	9600 lm	300 lm	135/130 lm/W ²⁾
BA-XL-PL 840 G3 ¹⁾	4000 K	≥80	Neutral White	Neutral white	9760 lm	305 lm	137/133.5 lm/W ²⁾
BA-XL-PL 865 G3 ¹⁾	6500 K	≥80	Cool White	Cool white	9600 lm	300 lm	135/130 lm/W ²⁾

Product description	Standard deviation of color matching
BA-XL-PL 830 G3 ¹⁾	≤3 sdcn
BA-XL-PL 840 G3 ¹⁾	≤3 sdcn
BA-XL-PL 865 G3 ¹⁾	≤3 sdcn

¹⁾ See product remark

²⁾ Cool conditions (T_c = 25 °C) / Steady state (T_a = 25 °C)

Light technical data

Product description	Beam angle
BA-XL-PL 830 G3 ¹⁾	155 °
BA-XL-PL 840 G3 ¹⁾	155 °
BA-XL-PL 865 G3 ¹⁾	155 °

¹⁾ See product remark

Product family datasheet

LED module information

Product description	Number of LEDs per module	Number of LED modules per chain	Minimum operable number of LED modules
BA-XL-PL 830 G3 ¹⁾	7	32	1
BA-XL-PL 840 G3 ¹⁾	7	32	1
BA-XL-PL 865 G3 ¹⁾	7	32	1

¹⁾ See product remark

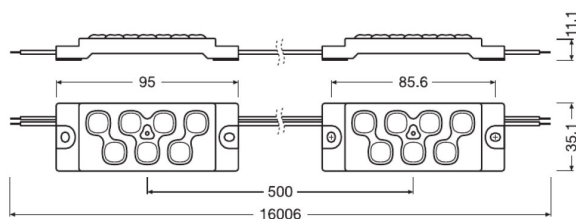
Dimensions & weight

Product description	Length	Width	Height	Product weight
BA-XL-PL 830 G3 ¹⁾	16000 mm	35.0 mm	11.1 mm	1400.00 g ²⁾
BA-XL-PL 840 G3 ¹⁾	16000 mm	35.0 mm	11.1 mm	1400.00 g ²⁾
BA-XL-PL 865 G3 ¹⁾	16000 mm	35.0 mm	11.1 mm	1400.00 g ²⁾

¹⁾ See product remark

²⁾ Per chain

Product line drawing



BA-XL-PL 830 G3, BA-XL-PL 840 G3, BA-XL-PL 865 G3

Product family datasheet

Temperatures & operating conditions

Product description	Temperature range in operation at T _c point	Temperature range at storage
BA-XL-PL 830 G3 ¹⁾	-25...70 °C ²⁾	-25...85 °C
BA-XL-PL 840 G3 ¹⁾	-25...70 °C ²⁾	-25...85 °C
BA-XL-PL 865 G3 ¹⁾	-25...70 °C ²⁾	-25...85 °C

¹⁾ See product remark

²⁾ At the T_c point

Lifespan

Product description	Lifespan
BA-XL-PL 830 G3 ¹⁾	50000 h
BA-XL-PL 840 G3 ¹⁾	50000 h
BA-XL-PL 865 G3 ¹⁾	50000 h

¹⁾ See product remark

Additional product data

Product description	Predecessor EAN	Successor EAN	ID of contained light source
BA-XL-PL 830 G3 ¹⁾	4052899442733	4062172223737	LS_SHZ_600756
BA-XL-PL 840 G3 ¹⁾	4052899442719	4052899627239	LS_SHZ_600755
BA-XL-PL 865 G3 ¹⁾	4052899442696	4052899627222	LS_SHZ_600754

¹⁾ See product remark

Capabilities

Product description	Dimming range
BA-XL-PL 830 G3 ¹⁾	1...100 %
BA-XL-PL 840 G3 ¹⁾	1...100 %
BA-XL-PL 865 G3 ¹⁾	1...100 %

¹⁾ See product remark

Product family datasheet

Certificates & standards

Product description	Energy consumption	Type of protection	Standards
BA-XL-PL 830 G3 ¹⁾	3 kWh/1000h	IP66/IP68	Acc. to ENEC 10/CE/EAC/ENEC/UL/VDE
BA-XL-PL 840 G3 ¹⁾	3 kWh/1000h	IP66/IP68	Acc. to ENEC 10/CE/EAC/ENEC/UL/VDE
BA-XL-PL 865 G3 ¹⁾	3 kWh/1000h	IP66/IP68	Acc. to ENEC 10/CE/EAC/ENEC/UL/VDE

¹⁾ See product remark

Logistical data

Product description	Commodity code
BA-XL-PL 830 G3 ¹⁾	940540399000
BA-XL-PL 840 G3 ¹⁾	940540399000
BA-XL-PL 865 G3 ¹⁾	940540399000

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

- Mounting profile BX-MP
- Several types of OPTOTRONIC 24 V LED drivers 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

Product family datasheet

Download Data

File	
	User instruction BackLED XL Plus G3
	Declarations of conformity EU Declartion of Conformity - 3658941
	CAD data 3-dim STEP file BA-XL-PL G3
	Eulumdat Eulumdat file BA-XL-PL G3

Ecodesign regulation information:

ul>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
4052899990524	BA-XL-PL 830 G3	Shipping carton box 5	436 mm x 266 mm x 377 mm	43.72 dm ³	9175.00 g
4052899990500	BA-XL-PL 840 G3	Shipping carton box 5	436 mm x 266 mm x 377 mm	43.72 dm ³	7845.00 g
4052899990487	BA-XL-PL 865 G3	Shipping carton box 5	436 mm x 266 mm x 377 mm	43.72 dm ³	7845.00 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.

Product family datasheet

Accessories Optional

Product description	Accessory name	Accessory code
BA-XL-PL 830 G3	BX -MP	▶ 4008321981110
BA-XL-PL 840 G3	BX -MP	▶ 4008321981110
BA-XL-PL 865 G3	BX -MP	▶ 4008321981110

References / Links

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

- ▶ www.osram.com/system-guarantee
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Disclaimer

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