

BackLED XS Plus G4

LED modules for light advertising and backlighting



Product family benefits

- Optimal beam pattern to ensure light uniformity and brightness in slim channel letter design
- Consistent white light (Standard Deviation of Color Matching SDCM: < 3)
- Color rendering index R_a : 80
- Completely molded housing protects PCB and LEDs
- Easier pre-mounting with double-sided tape with extra long foil

Areas of application

- Backlighting of ultra slim channel letters



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-XS-CP-880 G4	12.0 V	30.00 W	0.3 W	13 V	12...13 V	DC
BA-XS-CP-865 G4	12.0 V	30.00 W	0.3 W	13 V	12...13 V	DC

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-XS-CP-880 G4	8000 K	≥80	Cool White	Sky white	2850 lm	28.5 lm	95 lm/W
BA-XS-CP-865 G4	6500 K	≥80	Cool White	Cool white	2850 lm	28.5 lm	95 lm/W

Product description	Standard deviation of color matching
BA-XS-CP-880 G4	≤3 sdcn
BA-XS-CP-865 G4	≤3 sdcn

Light technical data

Product description	Beam angle
BA-XS-CP-880 G4	160 ° x 120 °
BA-XS-CP-865 G4	160 ° x 120 °

LED module information

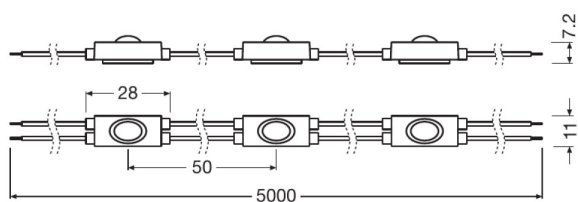
Product description	Number of LEDs per module	Number of LED modules per chain	Minimum operable number of LED modules
BA-XS-CP-880 G4	1	100	1
BA-XS-CP-865 G4	1	100	1

Product family datasheet

Dimensions & weight

Product description	Length	Width	Height	Product weight
BA-XS-CP-880 G4	5000 mm	11.0 mm	7.2 mm	265.00 g
BA-XS-CP-865 G4	5000 mm	11.0 mm	7.2 mm	265.00 g

Product line drawing



BA-XS-CP-880 G4, BA-XS-CP-865 G4

Temperatures & operating conditions

Product description	Temperature range in operation at T _c point	Temperature range at storage
BA-XS-CP-880 G4	-30...60 °C ¹⁾	-30...85 °C
BA-XS-CP-865 G4	-30...60 °C ¹⁾	-30...85 °C

¹⁾ Exceeding the maximum ratings will reduce expected life time or destroy the LED strip. / At the T_c point

Product family datasheet

Lifespan

Product description	Lifespan
BA-XS-CP-880 G4	50000 h 1)
BA-XS-CP-865 G4	50000 h 1)

1) L70/B50

Additional product data

Product description	ID of contained light source	Successor EAN
BA-XS-CP-880 G4	LS_SHZ_600759	4062172145886
BA-XS-CP-865 G4	LS_SHZ_600758	4062172145862

Capabilities

Product description	Dimming range
BA-XS-CP-880 G4	1...100 %
BA-XS-CP-865 G4	1...100 %

Certificates & standards

Product description	Energy consumption	Type of protection	Standards
BA-XS-CP-880 G4	30 kWh/1000h	IP66	Acc. to IEC 62471/Acc. to IEC 62778/Acc. to IEC 61347-1/Acc. to EN 62031/Acc. to IEC 60598-1/Acc. to EN 55015/Acc. to EN 61547
BA-XS-CP-865 G4	30 kWh/1000h	IP66	Acc. to IEC 62471/Acc. to IEC 62778/Acc. to IEC 61347-1/Acc. to EN 62031/Acc. to IEC 60598-1/Acc. to EN 55015/Acc. to EN 61547

Logistical data

Product description	Commodity code
BA-XS-CP-880 G4	940540399000
BA-XS-CP-865 G4	940540399000

Product family datasheet




Application advice

For more detailed application information and graphics please see product datasheet.

Sales and Technical Support

Sales and Technical Support www.osram.com

Download Data

File
 Declarations of conformity BackLED CE 3250405 09 211119
 IES data IES file of BA-XS-CP-880
 IES data BA-XS-CP-865-G4

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
4052899593145	BA-XS-CP-880 G4	Shipping carton box 50	515 mm x 315 mm x 265 mm	42.99 dm ³	14075.00 g

Product family datasheet

Logistical Data

4052899593176	BA-XS-CP-865 G4	Shipping carton box 50	515 mm x 315 mm x 265 mm	42.99 dm ³	14075.00 g
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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.

Disclaimer

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