

## BackLED XS Plus G4

LED modules for light advertising and backlighting



### Areas of application

- Backlighting of ultra slim channel letters

### 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



## Product family datasheet

### Technical data

#### Electrical data

Product description	Nominal voltage	Nominal wattage per chain	Nominal wattage per LED module	Input voltage range	Type of current
BA-XS-CP-880 G4	12.0 V	30.00 W	0.3 W	12...13 V	DC
BA-XS-CP-865 G4	12.0 V	30.00 W	0.3 W	12...13 V	DC

#### Photometrical data

Product description	Color temperature	Color rendering index Ra	Light color (designation)	Luminous flux per LED module
BA-XS-CP-880 G4	8000 K	≥80	Cool White	28.5 lm
BA-XS-CP-865 G4	6500 K	≥80	Cool White	28.5 lm

#### Light technical data

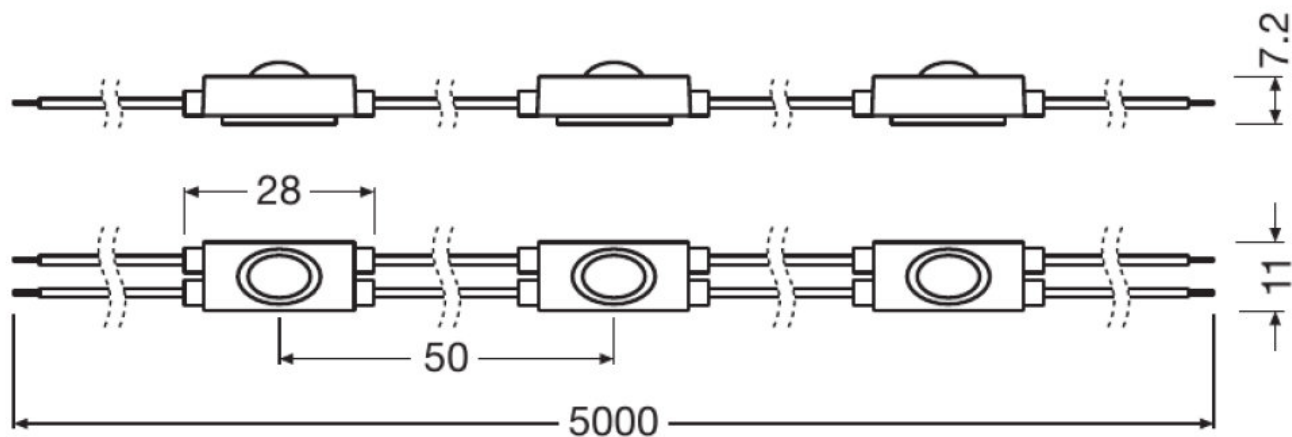
Product description	Beam angle
BA-XS-CP-880 G4	160 ° x 120 °
BA-XS-CP-865 G4	160 ° x 120 °

#### Dimensions & weight

Product description	Length	Width	Height	Product weight
BA-XS-CP-880 G4	28.0 mm	11.0 mm	7.2 mm	265.00 g
BA-XS-CP-865 G4	28.0 mm	11.0 mm	7.2 mm	265.00 g

## Product family datasheet

### Product line drawing



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

### Temperatures & operating conditions

Product description	Temperature range in operation at T <sub>c</sub> point	Temperature range at storage
BA-XS-CP-880 G4	-30...60 °C <sup>1)</sup>	-30...85 °C
BA-XS-CP-865 G4	-30...60 °C <sup>1)</sup>	-30...85 °C

<sup>1)</sup> Exceeding the maximum ratings will reduce expected life time or destroy the LED strip. / At the T<sub>c</sub> point

### Lifespan

Product description	Lifespan
BA-XS-CP-880 G4	50000 h <sup>1)</sup>
BA-XS-CP-865 G4	50000 h <sup>1)</sup>

<sup>1)</sup> L70/B50

## Product family datasheet

### Capabilities

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

### Certificates & standards

Product description	Energy consumption	Energy efficiency class	Type of protection
BA-XS-CP-880 G4	30 kWh/1000h	A+	IP66
BA-XS-CP-865 G4	30 kWh/1000h	A+	IP66

Product description	Standards
BA-XS-CP-880 G4	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	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

### Application advice


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

### Sales and Technical Support

Sales and Technical Support [www.osram.com](http://www.osram.com)

### Country specific information

### Download Data

File
 Declarations of conformity BackLED CE 3250405 09 211119

## Product family datasheet



IES data  
IES file of BA-XS-CP-880



IES data  
BA-XS-CP-865-G4

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

### Disclaimer

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