

BackLED XL CP G5

LED modules for light advertising and backlighting



Product family features

- Compatible with OSRAM OPTOTRONIC constant voltage drivers / dimmers
- Color consistency in 3 SDCM
- Patented Square Lens technology
- Wide CCT and color options available
- IP66 rating
- Lifetime (L70/B50): 50,000 h (temperature at $T_c = 75 \text{ }^\circ\text{C}$)

Product family benefits

- Backside injection technology for high protection level
- 5 year guarantee

Areas of application

- Channel letters
- Signage boxes
- Luminous areas and ceilings



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-CP-865-24 -G5 ¹⁾	24.0 V	60.00 W	2 W	25 V	23.4...24.9 V	DC
BA-XL-CP-840-24 -G5 ¹⁾	24.0 V	60.00 W	2 W	25 V	23.4...24.9 V	DC
BA-XL-CP-830-24 -G5 ¹⁾	24.0 V	60.00 W	2 W	25 V	23.4...24.9 V	DC
BA-XL-CP-827-24 -G5 ¹⁾	24.0 V	60.00 W	2 W	25 V	23.4...24.9 V	DC

¹⁾ See product remark

Photometrical data

Product description	Color temperature	Color rendering index Ra	Light color LED	Luminous flux per module chain	Luminous flux per LED module	Luminous efficacy	Standard deviation of color matching
BA-XL-CP-865-24 -G5 ¹⁾	6500 K	>80	Cool white	8220 lm	274 lm	137 lm/W	≤3 sdc
BA-XL-CP-840-24 -G5 ¹⁾	4000 K	>80	Neutral white	8220 lm	274 lm	137 lm/W	≤3 sdc
BA-XL-CP-830-24 -G5 ¹⁾	3000 K	>80	Warm white	8310 lm	277 lm	139 lm/W	≤3 sdc
BA-XL-CP-827-24 -G5 ¹⁾	2600 K	>80	Warm white	7620 lm	254 lm	127 lm/W	≤3 sdc

¹⁾ See product remark

Light technical data

Product description	Beam angle
BA-XL-CP-865-24 -G5 ¹⁾	155 °
BA-XL-CP-840-24 -G5 ¹⁾	155 °
BA-XL-CP-830-24 -G5 ¹⁾	155 °
BA-XL-CP-827-24 -G5 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-CP-865-24 -G5 ¹⁾	4	30	1
BA-XL-CP-840-24 -G5 ¹⁾	4	30	1
BA-XL-CP-830-24 -G5 ¹⁾	4	30	1
BA-XL-CP-827-24 -G5 ¹⁾	4	30	1

¹⁾ See product remark

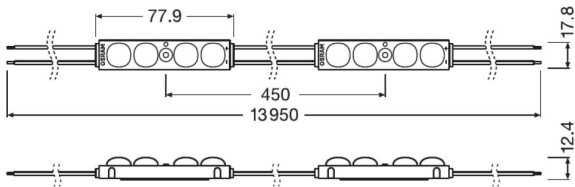
Dimensions & weight

Product description	Length	Width	Height	Product weight
BA-XL-CP-865-24 -G5 ¹⁾	13950 mm	17.8 mm	12.4 mm	795.00 g
BA-XL-CP-840-24 -G5 ¹⁾	13950 mm	17.8 mm	12.4 mm	795.00 g
BA-XL-CP-830-24 -G5 ¹⁾	13950 mm	17.8 mm	12.4 mm	795.00 g
BA-XL-CP-827-24 -G5 ¹⁾	13950 mm	17.8 mm	12.4 mm	795.00 g

¹⁾ See product remark

Product family datasheet

Product line drawing



BA-XL-CP-865-24 -G5, BA-XL-CP-840-24 -G5, BA-XL-CP-830-24 -G5, BA-XL-CP-827-24 -G5

Temperatures & operating conditions

Product description	Temperature range in operation at Tc point	Temperature range at storage
BA-XL-CP-865-24 -G5 ¹⁾	-25...75 °C	-25...85 °C
BA-XL-CP-840-24 -G5 ¹⁾	-25...75 °C	-25...85 °C
BA-XL-CP-830-24 -G5 ¹⁾	-25...75 °C	-25...85 °C
BA-XL-CP-827-24 -G5 ¹⁾	-25...75 °C	-25...85 °C

¹⁾ See product remark

Lifespan

Product description	Lifespan
BA-XL-CP-865-24 -G5 ¹⁾	50000 h
BA-XL-CP-840-24 -G5 ¹⁾	50000 h
BA-XL-CP-830-24 -G5 ¹⁾	50000 h
BA-XL-CP-827-24 -G5 ¹⁾	50000 h

¹⁾ See product remark

Product family datasheet

Additional product data

Product description	ID of contained light source	Predecessor EAN
BA-XL-CP-865-24 -G5 ¹⁾	LS_SHZ_600847	4052899990487
BA-XL-CP-840-24 -G5 ¹⁾	LS_SHZ_600845	4052899990500
BA-XL-CP-830-24 -G5 ¹⁾	LS_SHZ_600843	4052899990524
BA-XL-CP-827-24 -G5 ¹⁾	LS_SHZ_600841	

¹⁾ See product remark

Capabilities

Product description	Dimmable	Dimming range
BA-XL-CP-865-24 -G5 ¹⁾	Yes	1...100 %
BA-XL-CP-840-24 -G5 ¹⁾	Yes	1...100 %
BA-XL-CP-830-24 -G5 ¹⁾	Yes	1...100 %
BA-XL-CP-827-24 -G5 ¹⁾	Yes	1...100 %

¹⁾ See product remark

Certificates & standards

Product description	Energy consumption	Type of protection	Standards
BA-XL-CP-865-24 -G5 ¹⁾	60 kWh/1000h	IP66	IEC/EN 60529/IEC/EN 60598-1/IEC/EN 61347-1/IEC/EN 61547/IEC/EN 62031/IEC/TR 62778/IEC TR 62778
BA-XL-CP-840-24 -G5 ¹⁾	60 kWh/1000h	IP66	IEC/EN 60529/IEC/EN 60598-1/IEC/EN 61347-1/IEC/EN 61547/IEC/EN 62031/IEC/TR 62778/IEC TR 62778
BA-XL-CP-830-24 -G5 ¹⁾	60 kWh/1000h	IP66	IEC/EN 60529/IEC/EN 60598-1/IEC/EN 61347-1/IEC/EN 61547/IEC/EN 62031/IEC/TR 62778/IEC TR 62778
BA-XL-CP-827-24 -G5 ¹⁾	60 kWh/1000h	IP66	IEC/EN 60529/IEC/EN 60598-1/IEC/EN 61347-1/IEC/EN 61547/IEC/EN 62031/IEC/TR 62778/IEC TR 62778

¹⁾ See product remark

Product family datasheet

Logistical data

Product description	Commodity code
BA-XL-CP-865-24 -G5 ¹⁾	853951000000
BA-XL-CP-840-24 -G5 ¹⁾	853951000000
BA-XL-CP-830-24 -G5 ¹⁾	853951000000
BA-XL-CP-827-24 -G5 ¹⁾	853951000000

¹⁾ See product remark

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
BA-XL-CP-865-24 -G5 ¹⁾	23-05-2022	4052899627222	No declarable substances contained
BA-XL-CP-840-24 -G5 ¹⁾	23-05-2022	4052899627239	No declarable substances contained
BA-XL-CP-830-24 -G5 ¹⁾	23-05-2022	4062172223737	No declarable substances contained
BA-XL-CP-827-24 -G5 ¹⁾	23-05-2022	4052899627246	No declarable substances contained

Product description	Declaration No. in SCIP database
BA-XL-CP-865-24 -G5 ¹⁾	No declarable substances contained
BA-XL-CP-840-24 -G5 ¹⁾	No declarable substances contained
BA-XL-CP-830-24 -G5 ¹⁾	No declarable substances contained
BA-XL-CP-827-24 -G5 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)./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

Product family datasheet

Application advice

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











Additional product information

- Installation of LED modules (with power supplies) needs to be made under consideration of all valid regulations and norms.
 - Installation by qualified electrician only.
 - Please see the relevant application guides and instructions sheets for more detailed safety and mounting information. Additional information is available on request.
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Sales and Technical Support

Sales and Technical Support www.osram.com

Download Data

File	
	User instruction BackLED CP G5 User Instruction 20210730
	Product Datasheet product datasheet BackLED XL CP 24V G5
	Brochures Technical application guide BackLED and BoxLED portfolio (EN)
	Certificates ENEC of BackLED CP G5
	Certificates UL certificate of Compliance BackLED CP G5
	CAD data 3-dim 3D drawing of BackLED CP 24V G5 XL
	IES data IES file of BA XL CP 865 24 G5
	IES data IES file of BA XL CP 840 24 G5
	Eulumdat IES file of BA XL CP 830 24 G5
	IES data IES file of BA XL CP 827 24 G5

Product family datasheet

Logistical Data

Product code	Product description	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Volume	Gross weight
4052899627222	BA-XL-CP-865-24 -G5	Shipping carton box 10	355 mm x 255 mm x 240 mm	21.73 dm ³	8600.00 g
4052899627239	BA-XL-CP-840-24 -G5	Shipping carton box 10	355 mm x 255 mm x 240 mm	21.73 dm ³	8600.00 g
4062172223737	BA-XL-CP-830-24 -G5	Shipping carton box 10	355 mm x 255 mm x 240 mm	21.73 dm ³	8600.00 g
4052899627246	BA-XL-CP-827-24 -G5	Shipping carton box 10	355 mm x 255 mm x 240 mm	21.73 dm ³	8600.00 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

Product description	Accessory name	Accessory code
BA-XL-CP-865-24 -G5	BA -MP-L-G5-2M	▶ 4052899629189
BA-XL-CP-865-24 -G5	BA -CLIP-L-G5	▶ 4052899629325
BA-XL-CP-840-24 -G5	BA -MP-L-G5-2M	▶ 4052899629189
BA-XL-CP-840-24 -G5	BA -CLIP-L-G5	▶ 4052899629325
BA-XL-CP-830-24 -G5	BA -MP-L-G5-2M	▶ 4052899629189
BA-XL-CP-830-24 -G5	BA -CLIP-L-G5	▶ 4052899629325
BA-XL-CP-827-24 -G5	BA -MP-L-G5-2M	▶ 4052899629189
BA-XL-CP-827-24 -G5	BA -CLIP-L-G5	▶ 4052899629325

Disclaimer

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