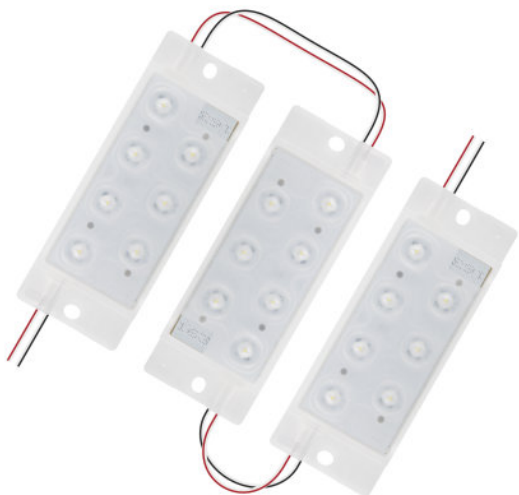


## BackLED XL Plus G3

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  $T_c = 70\text{ }^\circ\text{C}$ )
- 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 865 G3 <sup>1)</sup> | 24.0 V          | 71.00 W                   | 2.2 W                          | 25 V  | 23...25 V           | DC              |

<sup>1)</sup> 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 865 G3 <sup>1)</sup> | 6500 K            | ≥80                      | Cool White                | Cool white      | 9600 lm                        | 300 lm                       | 135/130 lm/W <sup>2)</sup> |

| Product description           | Standard deviation of color matching |
|-------------------------------|--------------------------------------|
| BA-XL-PL 865 G3 <sup>1)</sup> | ≤3 sdcn                              |

<sup>1)</sup> See product remark

<sup>2)</sup> Cool conditions (T<sub>c</sub> = 25 °C) / Steady state (T<sub>a</sub> = 25 °C)

### 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 865 G3 <sup>1)</sup> | 7                         | 32                              | 1                                      |

<sup>1)</sup> See product remark

### Dimensions & weight

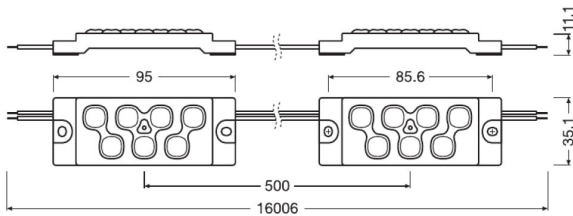
| Product description           | Length   | Width   | Height  | Product weight          |
|-------------------------------|----------|---------|---------|-------------------------|
| BA-XL-PL 865 G3 <sup>1)</sup> | 16000 mm | 35.0 mm | 11.1 mm | 1400.00 g <sup>2)</sup> |

<sup>1)</sup> See product remark

<sup>2)</sup> Per chain

## Product family datasheet

### Product line drawing



BA-XL-PL 865 G3

### Temperatures & operating conditions

| Product description           | Temperature range in operation at T <sub>c</sub> point | Temperature range at storage |
|-------------------------------|--|------------------------------|
| BA-XL-PL 865 G3 <sup>1)</sup> | -25...70 °C <sup>2)</sup>                              | -25...85 °C                  |

<sup>1)</sup> See product remark

<sup>2)</sup> At the T<sub>c</sub> point

### Lifespan

| Product description           | Lifespan |
|-------------------------------|----------|
| BA-XL-PL 865 G3 <sup>1)</sup> | 50000 h  |

<sup>1)</sup> See product remark

### Additional product data

| Product description           | Successor EAN | Predecessor EAN |
|-------------------------------|---------------|-----------------|
| BA-XL-PL 865 G3 <sup>1)</sup> | 4052899627222 | 4052899442696   |

<sup>1)</sup> See product remark

## Product family datasheet

### Capabilities

| Product description           | Dimming range |
|-------------------------------|---------------|
| BA-XL-PL 865 G3 <sup>1)</sup> | 1...100 %     |

<sup>1)</sup> See product remark

### Certificates & standards

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

<sup>1)</sup> See product remark

### Logistical data

| Product description           | Commodity code |
|-------------------------------|----------------|
| BA-XL-PL 865 G3 <sup>1)</sup> | 85395100000    |

<sup>1)</sup> 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<br>1         |
|-------------------------------|---------------------|----------------------------|---------------------------------------|
| BA-XL-PL 865 G3 <sup>1)</sup> | 23-05-2022          | 4052899990487              | No declarable substances<br>contained |

| Product description           | Declaration No. in SCIP<br>database   |
|-------------------------------|---------------------------------------|
| BA-XL-PL 865 G3 <sup>1)</sup> | No declarable substances<br>contained |

<sup>1)</sup> 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](http://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

## Product family datasheet

---

### 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](http://www.osram.com)

---

### Download Data

| File  |  |
|---|--|
|    | User instruction<br>BackLED XL Plus G3                                     |
|  | Brochures<br>Technical application guide BackLED and BoxLED portfolio (EN) |
|  | Declarations of conformity<br>BACKLED XL PLUS G3 CE 3658941 02 240723      |
|  | CAD data 3-dim<br>STEP file BA-XL-PL G3                                    |
|  | Eulumdat<br>Eulumdat file BA-XL-PL G3                                      |

---

### 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.

## Product family datasheet

---

### Logistical Data

| Product code  | Product description | Packaging unit (Pieces/Unit) | Dimensions (length x width x height) | Volume                | Gross weight |
|---------------|---------------------|------------------------------|--------------------------------------|-----------------------|--------------|
| 4052899990487 | BA-XL-PL 865 G3     | Shipping carton box<br>5     | 436 mm x 266 mm x 377 mm             | 43.72 dm <sup>3</sup> | 9175.00 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-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 <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.