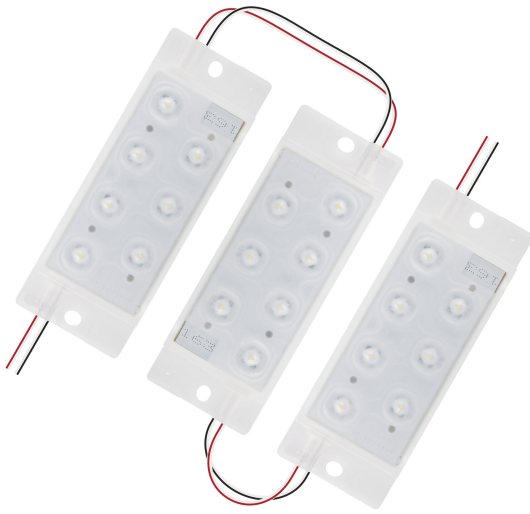


PRODUCT DATASHEET BA-XL-PL 865 G3

BackLED XL Plus G3 | LED modules for light advertising and backlighting



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 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 $T_c = 70^\circ\text{C}$)
- 5 year guarantee

Product 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



TECHNICAL DATA

Electrical data

| | |
|--------------------------------|-------------|
| Nominal wattage | 70 W |
| Construction wattage | 71.00 W |
| Nominal wattage per LED module | 2.2 W |
| Nominal voltage | 24 V |
| Input voltage range | 23...25 V |
| Reverse Voltage | 25 V |
| Type of current | DC |
| Nominal current | 2880.000 mA |

Photometrical data

| | |
|--------------------------------------|-----------------------------------|
| Total useful luminous flux [PICOS] | 9600 lm |
| Luminous efficacy | 135 lm/W / 130 lm/W ¹⁾ |
| Luminous flux | 9600 lm |
| Luminous flux per module chain | 9600 lm |
| Color temperature | 6500 K |
| Color rendering index Ra | ≥80 |
| Light color LED | White |
| Light color (designation) | Cool Daylight |
| Standard deviation of color matching | ≤3 sdcn |

¹⁾ Cool conditions (T_c = 25 °C) / Steady state (T_a = 25 °C)

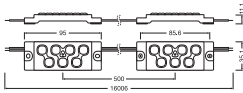
Light technical data

| | |
|------------------------------------|----------|
| Beam angle | 155 ° |
| Rated beam angle (half peak value) | 155.00 ° |

LED MODULE INFORMATION

| | |
|----------------------------------------|----|
| Number of LEDs per module | 7 |
| Number of LED modules per chain | 32 |
| Minimum operable number of LED modules | 1 |

Dimensions & Weight



| | |
|----------------|-----------|
| Length | 16000 mm |
| Width | 35.00 mm |
| Height | 11.10 mm |
| Product weight | 1400.00 g |

Temperatures & operating conditions

| | |
|--------------------------------------|---------------------------|
| Ambient temperature range | -25...75 °C |
| Maximum temperature at tc test point | -25...75 °C |
| Temperature range in operation | -25...75 °C ¹⁾ |

¹⁾ At the T_C point

Lifespan

| | |
|------------------------|---------|
| Nominal lamp life time | 50000 h |
|------------------------|---------|

Additional product data

| | |
|----------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 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 |
|----------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

Capabilities

| | |
|---------------|-----------|
| Dimmable | Yes |
| Dimming range | 1...100 % |

Certificates & Standards

| | |
|---------------------------|----------------------------------------------|
| Approval marks – approval | UL recognized component / CE / ENEC |
| Standards | Acc. to ENEC 10 / CE / EAC / ENEC / UL / VDE |
| Type of protection | IP66 |

| | |
|----------------------------------------|----------------|
| Energy consumption | 2.20 kWh/1000h |
| Energy class of contained light source | F |




LOGISTICAL DATA

| | |
|------------------------------|-------------|
| Temperature range at storage | -25...85 °C |
|------------------------------|-------------|

EQUIPMENT / ACCESSORIES

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

DOWNLOAD DATA

| Documents and certificates | | Document name |
|------------------------------------------------------------------------------------|-------------------------------|---------------------------------------|
|  | User instruction | BackLED XL Plus G3 |
|  | Declarations Of Conformity CE | EU Declartion of Conformity - 3658941 |
| Photometric and lighting design files | | Document name |
|  | LDT file (Eulumdat) | Eulumdat file BA-XL-PL G3 |

LOGISTICAL DATA

| Product code | Packaging unit (Pieces/Unit) | Dimensions (length x width x height) | Gross weight | Volume |
|---------------|------------------------------|--------------------------------------|--------------|-----------------------|
| 4052899990487 | Folding box 1 | 413 mm x 335 mm x 46 mm | 1733.00 g | 6.36 dm ³ |
| 4052899990494 | Shipping box 5 | 436 mm x 266 mm x 377 mm | 9175.00 g | 43.72 dm ³ |

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.