# BA-L-CP-840-24 -G5

BackLED L CP G5 | LED modules for light advertising and backlighting



## Product family features

- Each LED module contains 2 LEDs
- Compatible with Inventronics OPTOTRONIC constant voltage drivers / dimmers
- Color consistency in 3 SDCM
- Patented Square Lens technology
- Wide CCT and color options available
- IP66 rating
- Lifetime (L80/B10): 50,000 h (temperature at $T_c$ = 75 °C)

## Product family benefits

- Energy saving with high efficacy
- Backside injection technology for high protection level
- Flammability rating at V0

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## Areas of application

- Channel letters
- Signage boxes
- Luminous areas and ceilings


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## Technical data

### Electrical data

| | |
|---|---|
| **Nominal voltage** | 24.0 V |
| **Type of current** | DC |
| **Rated wattage** | 43.20 W |
| **Input voltage range** | 23.4...24.9 V |
| **Accidental reverse input voltage protection up to** | 24 V |
| **Nominal wattage per chain** | 43.20 W |
| **Nominal wattage per LED module** | 1.2 W |

### Photometrical data

| | |
|---|---|
| **Color rendering index Ra** | >80 |
| **Luminous efficacy** | 133 lm/W |
| **Color Temperature** | 4000 |
| **Luminous flux per LED module** | 160 lm |
| **Standard deviation of color matc** | <=3 sdcm |

### Light technical data

| | |
|---|---|
| **Beam angle** | 155 ° |
| **Starting time** | < 0.5 s |

### LED module information

| | |
|---|---|
| **Number of LEDs per module** | 2 |
| **Minimum operable number of LED modules** | 1 |
| **Number of LED modules per chain** | 36 |


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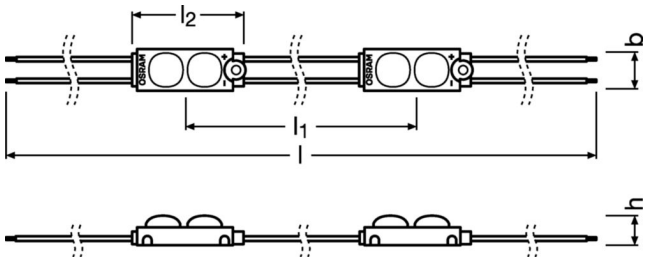
## Dimensions & weight




| | |
|---|---|
| **Length** | 11100 mm |
| **Width** | 17.8 mm |
| **Height** | 12.1 mm |
| **Product weight** | 468.00 g |
| **Module pitch** | 300 mm |
| **Module length** | 44.7 mm |

## Temperatures & operating conditions

| | |
|---|---|
| **Temperature range in operation at Tc point** | -25…75 °C |
| **Temperature range at storage** | -25…85 °C |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### Lifespan

| | |
|---|---|
| **Rated lamp life time** | 50000 h |

### Additional product data

| | |
|---|---|
| **ID of contained light source** | LS_SHZ_600805 |

### Capabilities

| | |
|---|---|
| **Dimming range** | 1…100 % |


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### Certificates & standards

| | |
|---|---|
| **Standards** | EN 62471:2008 / IEC 62031 / ENEC / CE / UL |
| **Type of protection** | IP66 |
| **Approval marks – approval** | CE / ENEC 25 / cURus / UKCA / BIS |
| **Energy efficiency class of the contained light source** | E |

### Logistical data

| | |
|---|---|
| **Commodity code** | 85395100000 |
| **Applicable region** | APAC (excl. China, India, Japan) / CHINA / EUROPE / INDIA / MEA / NAFTA / SOUTH AMERICA |

### Environmental information

| **Information according Art. 33 of EU Regulation (EC) 1907/2006 (REACh)** | |
|---|---|
| **Date of Declaration** | 01-09-2026 |
| **Primary Article Identifier** | 4052899627437 \| 6937186123176 |
| **Declaration No. in SCIP database** | In work |
| **SCIP_STATUS** | In work |
| **SCIP_ID** | |


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## 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.In the contrary, and limited to the LINEARlight Flex Diffuse, LINEARlight Rigid Finesse, GINO LED Flex Diffuse and LUMINENT Milky product families, the contained light source is an integrated part of the containing product and its removal can only be done by causing a permanent damage to the containing product due to its tight mechanical, electrical, optical, thermal interaction and/or environmental protection with or from the containing product. Therefore, a replacement of the light source with the use of common available tools is not justified.
- 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.


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## 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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## Download Data

| File | | |
|---|---|---|
| IES data | UNKNOWN | ►BA-L-CP-840-24-G5.1 |
| Product Datasheet | PDF | ►BackLED L CP G5 |
| Certificates | PDF | ►CED_I E10 BackLed G5 family 2026-04 |
| Certificates | PDF | ►BA XL TW L M S IEC CB 4494829 250826 |
| CAD data | UNKNOWN | ►BackLED L CP G5 \| STEP |
| User instruction | PDF | ►BackLED CP G5 User Instruction 20210730 |


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## Logistical Data

| Product code | Product description | Packaging unit (Pieces/Unit) | Dimensions (length x width x height) | Volume | Gross weight |
|---|---|---|---|---|---|
| 6937186123176 INVENTRONICS | BA-L-CP-840-24 -G5 | Shipping carton box 15 Pieces | 365 x 265 x 318 mm | 30.76 dm³ | 519.00 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.


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## Accessories Optional

| Product description | Accessory name | Accessory code |
|---|---|---|
| BA-L-CP-840-24 -G5 | BA -MP-L-G5-2M | ►4052899629189 |
| BA-L-CP-840-24 -G5 | BA -MP-L-G5-2M | ►6937186140548 |
| BA-L-CP-840-24 -G5 | BA -CLIP-L-G5 | ►4052899629325 |
| BA-L-CP-840-24 -G5 | BA -CLIP-L-G5 | ►6937186140562 |

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