

## BA-L-CP-830-24 -G5

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



### Product family features

- Each LED module contains 2 LEDs
- 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 (L80/B10): 50,000 h (temperature at  $T_c = 75^\circ\text{C}$ )

### Product family benefits

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

### Areas of application

- Channel letters
- Signage boxes
- Luminous areas and ceilings



Technical data

Electrical data

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

Photometrical data

|                                      |            |
|--------------------------------------|------------|
| Color temperature                    | 3000 K     |
| Color rendering index Ra             | >80        |
| Light color LED                      | Warm white |
| Luminous flux per LED module         | 153 lm     |
| Luminous efficacy                    | 128 lm/W   |
| Standard deviation of color matching | ≤3 sdcn    |
| Luminous flux per chain at Ta 25 °C  | 5508 lm    |

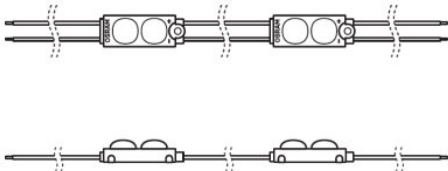
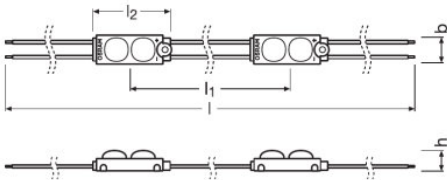
Light technical data

|            |       |
|------------|-------|
| Beam angle | 155 ° |
|------------|-------|

LED module information

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

Dimensions & weight



|        |          |
|--------|----------|
| Length | 11100 mm |
|--------|----------|

## Product datasheet

|                |          |
|----------------|----------|
| Width          | 17.8 mm  |
| Height         | 12.1 mm  |
| Product weight | 468.00 g |

### Temperatures & operating conditions

|                                            |             |
|--------------------------------------------|-------------|
| Temperature range in operation at Tc point | -25...75 °C |
| Temperature range at storage               | -25...85 °C |

### Lifespan

|          |                       |
|----------|-----------------------|
| Lifespan | 50000 h <sup>1)</sup> |
|----------|-----------------------|

<sup>1)</sup> L80/B10 at Tc 75°C

### 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 <a href="http://www.osram.com/led-systems">www.osram.com/led-systems</a> )./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 |
| ID of contained light source | LS_SHZ_600803                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Predecessor EAN              | 4052899990463                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |

### Capabilities

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

### Certificates & standards

|                                                       |                                                    |
|-------------------------------------------------------|----------------------------------------------------|
| Energy consumption                                    | 44 kWh/1000h                                       |
| Type of protection                                    | IP66                                               |
| Standards                                             | Acc. to EN 62471:2008/Acc. to IEC 62031/ENEC/CE/UL |
| Approval marks – approval                             | CE / ENEC 25 / cURus / UKCA / BIS                  |
| Energy efficiency class of the contained light source | E                                                  |

### Logistical data

|                |              |
|----------------|--------------|
| Commodity code | 853951000000 |
|----------------|--------------|

### Environmental information

Product datasheet

| Information according Art. 33 of EU Regulation (EC) 1907/2006 (REACH) |                                    |
|-----------------------------------------------------------------------|------------------------------------|
| Date of Declaration                                                   | 31-03-2023                         |
| Primary Article Identifier                                            | 4052899627444                      |
| Candidate List Substance 1                                            | No declarable substances contained |
| Declaration No. in SCIP database                                      | No declarable substances contained |

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.

Download Data

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

Logistical Data

| Product code  | Product description | Packaging unit (Pieces/Unit) | Dimensions (length x width x height) | Volume                | Gross weight |
|---------------|---------------------|------------------------------|--------------------------------------|-----------------------|--------------|
| 4052899627444 | BA-L-CP-830-24 -G5  | Shipping carton box<br>15    | 355 mm x 255 mm x 240 mm             | 21.73 dm <sup>3</sup> | 7685.00 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.

# Product datasheet

## Accessories Optional

| Product description | Accessory name | Accessory code  |
|---------------------|----------------|-----------------|
| BA-L-CP-830-24 -G5  | BA -MP-L-G5-2M | ▶ 4052899629189 |
| BA-L-CP-830-24 -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.