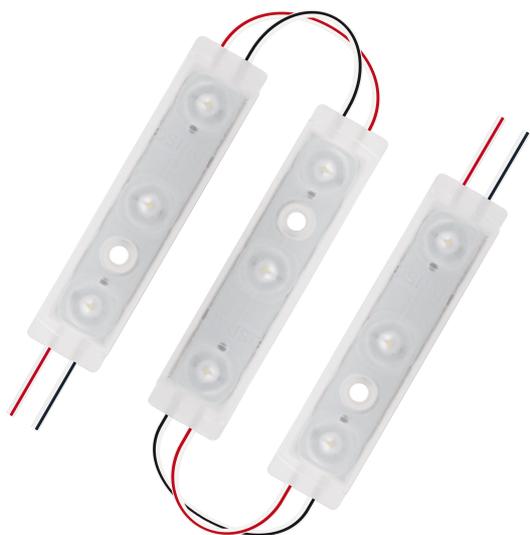


PRODUCT DATASHEET BA-L-PL 830 G3

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



TECHNICAL DATA

Electrical data

| | |
|--------------------------------|-------------|
| Nominal wattage | 46 W |
| Construction wattage | 46.00 W |
| Nominal wattage per LED module | 1.31 W |
| Nominal voltage | 12 V |
| Input voltage range | 12...13 V |
| Reverse Voltage | 13 V |
| Type of current | DC |
| Nominal current | 3830.000 mA |

Photometrical data

| | |
|--------------------------------------|------------|
| Total useful luminous flux [PICOS] | 5400 lm |
| Luminous efficacy | 115 lm/W |
| Luminous flux | 5400 lm |
| Luminous flux per module chain | 5400 lm |
| Color temperature | 3000 K |
| Color rendering index Ra | > 80 |
| Light color LED | Warm white |
| Light color (designation) | Warm White |
| Standard deviation of color matching | ≤3 sdcm |

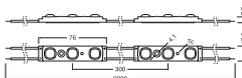
Light technical data

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

LED MODULE INFORMATION

| | |
|--|----|
| Number of LEDs per module | 3 |
| Number of LED modules per chain | 36 |
| Minimum operable number of LED modules | 1 |

Dimensions & Weight



| | |
|----------------|----------|
| Length | 11100 mm |
| Width | 17.60 mm |
| Height | 7.80 mm |
| Product weight | 604.00 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; VDE / EAC / ENEC / UL |
| Type of protection | IP66/IP68 |
| Energy consumption | 1.30 kWh/1000h |
| Energy class of contained Light source | F |

LOGISTICAL DATA

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

DOWNLOAD DATA**Documents and certificates**

User instruction



Declarations Of Conformity CE

Photometric and lighting design files

LDT file (Eulumdat)

LOGISTICAL DATA

| Product code | Packaging unit (Pieces/Unit) | Dimensions (length x width x height) | Gross weight | Volume |
|---------------|------------------------------|--------------------------------------|--------------|-----------------------|
| 4052899990463 | Folding box 1 | 425 mm x 179 mm x 54 mm | 977.00 g | 4.11 dm ³ |
| 4052899990470 | Shipping box 5 | 438 mm x 284 mm x 198 mm | 5185.00 g | 24.63 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.