

BA-Mini-M-CP-840 G4

BackLED Mini M CP G4 | LED modules for light advertising and backlighting



Product family features

- Color consistency in 3 SDCM
- Bat-wing optics solution
- Wide CCT options available
- IP66 Rated

Product family benefits

- High module flux output up to 79 lm
- Energy saving with high efficacy
- Slim dimension for high design freedom
- Good solution to reduce system cost

Areas of application

- Channel letters



Technical data

Electrical data

| | |
|---|-----------|
| Nominal voltage | 12.0 V |
| Nominal wattage per chain | 28.80 W |
| Nominal wattage per LED module | 0.72 W |
| Accidental reverse input voltage protection up to | 13 V |
| Input voltage range | 12...13 V |
| Type of current | DC |

Photometrical data

| | |
|--|---------------|
| Color temperature | 4000 K |
| Color rendering index Ra | 80 |
| Light color (designation) | Neutral White |
| Light color LED | Neutral white |
| Luminous flux per module chain | 3160 lm |
| Luminous flux per LED module | 79 lm |
| Luminous efficacy | 109.7 lm/W |
| Standard deviation of color matching | ≤3 sdcn |
| Luminous flux per LED module at Ta 25 °C | 79 lm |
| Luminous flux per chain at Ta 25 °C | 3160 lm |

Light technical data

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|------------|-------|
| Beam angle | 140 ° |
|------------|-------|

LED module information

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|--|----|
| Number of LEDs per module | 2 |
| Number of LED modules per chain | 40 |
| Minimum operable number of LED modules | 1 |

Dimensions & weight



| | |
|----------------|---------|
| Length | 3000 mm |
| Width | 8.4 mm |
| Height | 6.15 mm |
| Product weight | 98.00 g |
| Module length | 26.0 mm |
| Module pitch | 75 mm |

Temperatures & operating conditions

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|--|-------------|
| Temperature range in operation at Tc point | -25...80 °C |
| Temperature range at storage | -25...85 °C |

Lifespan

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|----------|-----------------------|
| Lifespan | 50000 h ¹⁾ |
|----------|-----------------------|

¹⁾ L70/B50 at Tc 80 °C

Additional product data

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|------------------------------|---------------|
| ID of contained light source | LS_SHZ_600379 |
|------------------------------|---------------|

Capabilities

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

Certificates & standards

| | |
|--------------------|---|
| Energy consumption | 29 kWh/1000h |
| Type of protection | IP66 |
| Standards | Acc. to EN 55015/Acc. to EN 60529/Acc. to EN 61547/Acc. to EN 62031/Acc. to IEC 60598-1/Acc. to IEC 62471 |

Product datasheet

| | |
|---|----------|
| Approval marks – approval | BIS / CE |
| Energy efficiency class of the contained light source | F |




Logistical data

| | |
|----------------|-------------|
| Commodity code | 85395100000 |
|----------------|-------------|

Environmental information

| Information according Art. 33 of EU Regulation (EC) 1907/2006 (REACH) | |
|---|------------------------------------|
| Date of Declaration | 09-08-2023 |
| Primary Article Identifier | 4062172145718 |
| Candidate List Substance 1 | No declarable substances contained |
| Declaration No. in SCIP database | No declarable substances contained |

Download Data

| File | |
|---|--|
|  | User instruction BackLED Mini M CP G4 User Instructions |
|  | Brochures Technical application guide BackLED and BoxLED portfolio (EN) |
|  | Declarations of conformity CE BA-MINI-S&M-CP-8xx-G4 BA-L-CX-8xx-G4 |

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 datasheet

Logistical Data

| Product code | Product description | Packaging unit (Pieces/Unit) | Dimensions (length x width x height) | Volume | Gross weight |
|---------------|---------------------|------------------------------|--------------------------------------|-----------------------|--------------|
| 4062172145718 | BA-Mini-M-CP-840 G4 | Shipping carton box 40 | 350 mm x 250 mm x 230 mm | 20.13 dm ³ | 4820.00 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.