

BackLED M-HO CP G4

LED modules for light advertising and backlighting



Product family features

- Color consistency in 3 SDCM
- Patented Square Lens technology
- Wide CCT options available
- IP66 Rated

Product family benefits

- Upgraded flux output up to 131 lm
- Uniform light pattern design for 100-150 mm light-box depth
- Over-molding technology for optimal protection



Technical data

Electrical data

| Product description | Nominal voltage | Nominal wattage per chain | Nominal wattage per LED module | Accidental reverse input voltage protection up to | Input voltage range | Type of current |
|---------------------|-----------------|---------------------------|--------------------------------|---|---------------------|-----------------|
| BA-M-HO-CP-840 G4 | 12.0 V | 48.00 W | 1.2 W | 13 V | 12...13 V | DC |
| BA-M-HO-CP-865 G4 | 120 V | 48.00 W | 1.2 W | 13 V | 12...13 V | DC |
| BA-M-HO-CP-880 G4 | 120 V | 48.00 W | 1.2 W | 13 V | 12...13 V | DC |

Photometrical data

| Product description | Color temperature | Color rendering index Ra | Light color (designation) | Light color LED | Luminous flux per module chain | Luminous flux per LED module | Luminous efficacy |
|---------------------|-------------------|--------------------------|---------------------------|-----------------|--------------------------------|------------------------------|-------------------|
| BA-M-HO-CP-840 G4 | 4000 K | 80 | Neutral White | Neutral white | 5120 lm | 131 lm | 109 lm/W |
| BA-M-HO-CP-865 G4 | 6500 K | 80 | Cold White | Cool white | 5120 lm | 131 lm | 109 lm/W |
| BA-M-HO-CP-880 G4 | 8000 K | 80 | Cold White | Cool white | 4800 lm | 122 lm | 102 lm/W |

Light technical data

| Product description | Beam angle |
|---------------------|------------|
| BA-M-HO-CP-840 G4 | 155 ° |
| BA-M-HO-CP-865 G4 | 155 ° |
| BA-M-HO-CP-880 G4 | 155 ° |

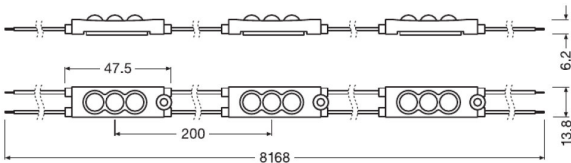
LED module information

| Product description | Number of LEDs per module | Number of LED modules per chain | Minimum operable number of LED modules |
|---------------------|---------------------------|---------------------------------|--|
| BA-M-HO-CP-840 G4 | 3 | 40 | 1 |
| BA-M-HO-CP-865 G4 | 3 | 40 | 1 |
| BA-M-HO-CP-880 G4 | 3 | 40 | 1 |

Dimensions & weight

| Product description | Length | Width | Height | Product weight |
|---------------------|----------|---------|--------|----------------|
| BA-M-HO-CP-840 G4 | 8168 mm | 13.8 mm | 6.8 mm | 210.00 g |
| BA-M-HO-CP-865 G4 | 81680 mm | 138 mm | 68 mm | 21000 g |
| BA-M-HO-CP-880 G4 | 81680 mm | 138 mm | 68 mm | 21000 g |

Product line drawing



BA-M-HO-CP-840 G4, BA-M-HO-CP-865 G4, BA-M-HO-CP-880 G4

Temperatures & operating conditions

| Product description | Temperature range in operation at T _c point | Temperature range at storage |
|---------------------|--|------------------------------|
| BA-M-HO-CP-840 G4 | -30...70 °C ¹⁾ | -30...85 °C |
| BA-M-HO-CP-865 G4 | -30...70 °C ¹⁾ | -30...85 °C |
| BA-M-HO-CP-880 G4 | -30...70 °C ¹⁾ | -30...85 °C |

¹⁾ Exceeding the maximum ratings will reduce expected life time or destroy the LED strip. / At the T_c point

Lifespan

| Product description | Lifespan |
|---------------------|---------------|
| BA-M-HO-CP-840 G4 | 50000 h 1) |
| BA-M-HO-CP-865 G4 | 50000 h 1) |
| BA-M-HO-CP-880 G4 | 50000 h 1) |

1) L70/B50 at 70 °C

Additional product data

| Product description | Predecessor EAN |
|---------------------|-----------------|
| BA-M-HO-CP-840 G4 | 4052899504721 |
| BA-M-HO-CP-865 G4 | 4052899504745 |
| BA-M-HO-CP-880 G4 | |

Capabilities

| Product description | Dimming range |
|---------------------|---------------|
| BA-M-HO-CP-840 G4 | 1...100 % |
| BA-M-HO-CP-865 G4 | 1...100 % |
| BA-M-HO-CP-880 G4 | 1...100 % |

Certificates & standards

| Product description | Energy consumption | Type of protection | Standards |
|---------------------|--------------------|--------------------|--|
| BA-M-HO-CP-840 G4 | 48 kWh/1000h | IP66 | Acc. to EN 55015/Acc. to EN 61547/Acc. to EN 62031/Acc. to IEC 62778/Acc. to IEC 62471/Acc. to IEC 61347-1/Acc. to IEC 60598-1 |
| BA-M-HO-CP-865 G4 | 48 kWh/1000h | IP66 | Acc. to EN 55015/Acc. to EN 61547/Acc. to EN 62031/Acc. to IEC 60598-1/Acc. to IEC 61347-1/Acc. to IEC 62471/Acc. to IEC 62778 |
| BA-M-HO-CP-880 G4 | 48 kWh/1000h | IP66 | Acc. to EN 55015/Acc. to EN 61547/Acc. to EN 62031/Acc. to IEC 60598-1/Acc. to IEC 61347-1/Acc. to IEC 62778/Acc. to IEC 62471 |

Product family datasheet

Logistical data

| Product description | Commodity code |
|---------------------|----------------|
| BA-M-HO-CP-840 G4 | 85395100000 |
| BA-M-HO-CP-865 G4 | 85395100000 |
| BA-M-HO-CP-880 G4 | 85395100000 |

Environmental information
Information according Art. 33 of EU Regulation (EC) 1907/2006 (REACH)

| Product description | Date of Declaration | Primary Article Identifier | Candidate List Substance 1 |
|---------------------|---------------------|----------------------------|------------------------------------|
| BA-M-HO-CP-840 G4 | 09-08-2023 | 4062172183475 | Lead |
| BA-M-HO-CP-865 G4 | 09-08-2023 | 4062172183499 | No declarable substances contained |
| BA-M-HO-CP-880 G4 | 09-08-2023 | 4062172183512 | No declarable substances contained |

| Product description | CAS No. of substance 1 | Safe Use Instruction | Declaration No. in SCIP database |
|---------------------|------------------------|--|--------------------------------------|
| BA-M-HO-CP-840 G4 | 7439-92-1 | The identification of the Candidate List substance is sufficient to allow safe use of the article. | 58ba5a12-ce11-4f91-8d5b-de79e7e3d887 |
| BA-M-HO-CP-865 G4 | | | No declarable substances contained |
| BA-M-HO-CP-880 G4 | | | No declarable substances contained |



Application advice

For more detailed application information and graphics please see product datasheet.

Sales and Technical Support

Sales and Technical Support www.osram.com

Download Data

| File |
|--|
|  User instruction BackLED SM CP G4 UI OSRAM |
|  Brochures Technical application guide BackLED and BoxLED portfolio (EN) |

Product family datasheet

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.

Logistical Data

| Product code | Product description | Packaging unit (Pieces/Unit) | Dimensions (length x width x height) | Volume | Gross weight |
|---------------|---------------------|------------------------------|--------------------------------------|-----------------------|--------------|
| 4062172183475 | BA-M-HO-CP-840 G4 | Shipping carton box 50 | 435 mm x 435 mm x 310 mm | 58.66 dm ³ | 11782.00 g |
| 4062172183499 | BA-M-HO-CP-865 G4 | Shipping carton box 50 | 435 mm x 435 mm x 310 mm | 58.66 dm ³ | 11782.00 g |
| 4062172183512 | BA-M-HO-CP-880 G4 | Shipping carton box 50 | 435 mm x 435 mm x 310 mm | 58.66 dm ³ | 11782.00 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.

Accessories Optional

| Product description | Accessory name | Accessory code |
|---------------------|----------------|-----------------|
| BA-M-HO-CP-840 G4 | BA -MP-M-CP-2 | ▶ 4062172168410 |
| BA-M-HO-CP-865 G4 | BA -MP-M-CP-2 | ▶ 4062172168410 |
| BA-M-HO-CP-880 G4 | BA -MP-M-CP-2 | ▶ 4062172168410 |

Disclaimer

Subject to change without notice. Errors and omission excepted. Always make sure to use the most recent release.