OSRAM

BA-ECO-M-880 G2

BackLED ECO M G2 | LED modules for light advertising and backlighting

Product family features

- Color consistency in 3 SDCM (3000 K - 6500 K),5 SDCM (8000 K)
- Available in 3000 K, 4000 K, 5700 K, 6500 K, 8000 K, RED, Blue
- Min CRI 80

Product family benefits

- Over-molding technology for optimal protection on LED and PCB
- Double-sided tape for pre-mounting
- IP64

Areas of application

- Single-sided light boxes
- Channel letters

Technical data

Electrical data

Nominal voltage	12.0 V
Nominal wattage per chain	13.50 W
Nominal wattage per LED module	0.67 W
Accidental reverse input voltage protection up to	13 V
Input voltage range	12...13 V
Type of current	DC

Photometrical data

Color temperature	8000 K
Color rendering index Ra	80
Light color (designation)	Cold White
Light color LED	White
Luminous flux per module chain	1600 lm
Luminous flux per LED module	76 lm
Luminous efficacy	105.6 lm/W [1]
Luminous flux per LED module at Ta 25 °C	76 lm
Luminous flux per chain at Ta 25 °C	1600 lm

[1] At Ta = 25 °C

Light technical data

Beam angle	120 °

LED module information

Number of LEDs per module	3
Number of LED modules per chain	20
Minimum operable number of LED modules	1

Dimensions & weight
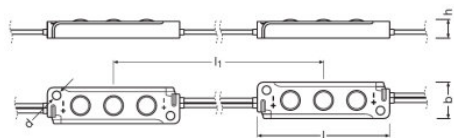
Length	46.0 mm
Width	12.5 mm
Height	5.80 mm
Product weight	148.50 g

Temperatures & operating conditions

Temperature range in operation at Tc point	-20...60 °C [1]
Temperature range at storage	-30...85 °C

[1] At the T_c point

Lifespan

Lifespan	30000 h [1]

[1] L70/B50 at T_c 60 °C

Capabilities

Dimming range	1...100 %

Certificates & standards

Energy consumption	14 kWh/1000h
Type of protection	IP64
Standards	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/IEC TR 62778
Approval marks – approval	CQC / BIS

Logistical data

Commodity code	888888888888

Environmental information

Information according Art. 33 of EU Regulation (EC) 1907/2006 (REACh)	
Date of Declaration	18-04-2022
Primary Article Identifier	4062172121514
Declaration No. in SCIP database	In work

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.

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Logistical Data

Product code	Product description	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Volume	Gross weight
4062172121514	BA-ECO-M-880 G2	Shipping carton box 80	469 mm x 282 mm x 303 mm	40.07 dm³	13116.00 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.