

BackLED M CX G5



Product family features

- Color consistency in 3 SDCM
- Diffusive Optics technology
- Wide CCT options available
- IP66 Rated

Product family benefits

- High module flux output up to 80 lm
- 5 year warranty
- Wide beam angle for high uniformity
- Good solution to reduce system cost



Product family datasheet

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-CX -810-G5 ¹⁾	12.0 V	14.40 W	0.72 W	13 V	12...13 V	DC
BA-M-CX -880-G5 ¹⁾	12.0 V	14.40 W	0.72 W	13 V	12...13 V	DC
BA-M-CX -865-G5 ¹⁾	12.0 V	14.40 W	0.72 W	13 V	12...13 V	DC
BA-M-CX -840-G5 ¹⁾	12.0 V	14.40 W	0.72 W	13 V	12...13 V	DC
BA-M-CX -830-G5 ¹⁾	12.0 V	14.40 W	0.72 W	13 V	12...13 V	DC

¹⁾ See product remark

Photometrical data

Product description	Color temperature	Color rendering index Ra	Light color (designation)	Luminous flux per module chain	Luminous flux per LED module	Luminous efficacy
BA-M-CX -810-G5 ¹⁾	10000 K	80	Ultra-cool white	1360 lm	68 lm	95 lm/W
BA-M-CX -880-G5 ¹⁾	8000 K	80	Cool White	1360 lm	68 lm	95 lm/W
BA-M-CX -865-G5 ¹⁾	6500 K	80	Cool White	1600 lm	80 lm	110 lm/W
BA-M-CX -840-G5 ¹⁾	4000 K	80	Neutral White	1530 lm	76.5 lm	106 lm/W
BA-M-CX -830-G5 ¹⁾	3000 K	80	Warm White	1360 lm	68 lm	95 lm/W

¹⁾ See product remark

LED module information

Product description	Number of LEDs per module	Number of LED modules per chain	Minimum operable number of LED modules
BA-M-CX -810-G5 ¹⁾	3	20	1
BA-M-CX -880-G5 ¹⁾	3	20	1
BA-M-CX -865-G5 ¹⁾	3	20	1
BA-M-CX -840-G5 ¹⁾	3	20	1
BA-M-CX -830-G5 ¹⁾	3	20	1

¹⁾ See product remark

Product family datasheet

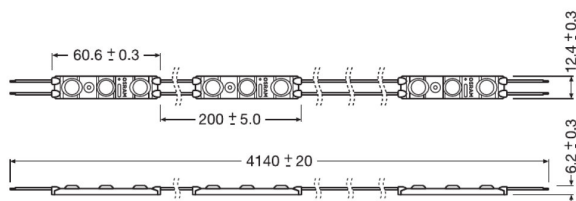
Dimensions & weight

Product description	Length	Width	Height	Product weight
BA-M-CX -810-G5 ¹⁾	3100 mm ²⁾	12.4 mm	6.2 mm	110.00 g
BA-M-CX -880-G5 ¹⁾	3100 mm ²⁾	12.4 mm	6.2 mm	110.00 g
BA-M-CX -865-G5 ¹⁾	3100 mm ²⁾	12.4 mm	6.2 mm	110.00 g
BA-M-CX -840-G5 ¹⁾	3100 mm ²⁾	12.4 mm	6.2 mm	110.00 g
BA-M-CX -830-G5 ¹⁾	3100 mm ²⁾	12.4 mm	6.2 mm	110.00 g

¹⁾ See product remark

²⁾ Maximum LED pitch 200 mm

Product line drawing



BA-M-CX -810-G5, BA-M-CX -880-G5, BA-M-CX -865-G5,
BA-M-CX -840-G5, BA-M-CX -830-G5

Product family datasheet

Temperatures & operating conditions

Product description	Temperature range in operation at Tc point	Temperature range at storage
BA-M-CX -810-G5 ¹⁾	-20...75 °C	-25...85 °C
BA-M-CX -880-G5 ¹⁾	-20...75 °C	-25...85 °C
BA-M-CX -865-G5 ¹⁾	-20...75 °C	-25...85 °C
BA-M-CX -840-G5 ¹⁾	-20...75 °C	-25...85 °C
BA-M-CX -830-G5 ¹⁾	-20...75 °C	-25...85 °C

¹⁾ See product remark

Lifespan

Product description	Lifespan
BA-M-CX -810-G5 ¹⁾	50000 h
BA-M-CX -880-G5 ¹⁾	50000 h
BA-M-CX -865-G5 ¹⁾	50000 h
BA-M-CX -840-G5 ¹⁾	50000 h
BA-M-CX -830-G5 ¹⁾	50000 h

¹⁾ See product remark

Capabilities

Product description	Dimming range
BA-M-CX -810-G5 ¹⁾	1...100 %
BA-M-CX -880-G5 ¹⁾	1...100 %
BA-M-CX -865-G5 ¹⁾	1...100 %
BA-M-CX -840-G5 ¹⁾	1...100 %
BA-M-CX -830-G5 ¹⁾	1...100 %

¹⁾ See product remark

Product family datasheet

Certificates & standards

Product description	Energy consumption	Type of protection	Standards
BA-M-CX -810-G5 ¹⁾	15 kWh/1000h	IP66	Acc. to IEC 62471-2/Acc. to IEC 60598-1/Acc. to EN 60529/Acc. to EN 62031/Acc. to IEC 60598-1/Acc. to EN 55015/Acc. to EN 61547
BA-M-CX -880-G5 ¹⁾	15 kWh/1000h	IP66	Acc. to IEC 62471-2/Acc. to IEC 60598-1/Acc. to EN 60529/Acc. to EN 62031/Acc. to IEC 60598-1/Acc. to EN 55015/Acc. to EN 61547
BA-M-CX -865-G5 ¹⁾	15 kWh/1000h	IP66	Acc. to IEC 62471-2/Acc. to IEC 60598-1/Acc. to EN 60529/Acc. to EN 62031/Acc. to IEC 60598-1/Acc. to EN 55015/Acc. to EN 61547
BA-M-CX -840-G5 ¹⁾	15 kWh/1000h	IP66	Acc. to IEC 62471-2/Acc. to IEC 60598-1/Acc. to EN 60529/Acc. to EN 62031/Acc. to IEC 60598-1/Acc. to EN 55015/Acc. to EN 61547
BA-M-CX -830-G5 ¹⁾	15 kWh/1000h	IP66	Acc. to IEC 62471-2/Acc. to IEC 60598-1/Acc. to EN 60529/Acc. to EN 62031/Acc. to IEC 60598-1/Acc. to EN 55015/Acc. to EN 61547

¹⁾ See product remark

Logistical data

Product description	Commodity code
BA-M-CX -810-G5 ¹⁾	853951000000
BA-M-CX -880-G5 ¹⁾	853951000000
BA-M-CX -865-G5 ¹⁾	853951000000
BA-M-CX -840-G5 ¹⁾	853951000000
BA-M-CX -830-G5 ¹⁾	853951000000

¹⁾ See product remark

Product family datasheet

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-CX -810-G5 ¹⁾	30-01-2023	4062172327930	No declarable substances contained
BA-M-CX -880-G5 ¹⁾	30-01-2023	4062172327954	No declarable substances contained
BA-M-CX -865-G5 ¹⁾	30-01-2023	4062172327978	No declarable substances contained
BA-M-CX -840-G5 ¹⁾	30-01-2023	4062172327992	No declarable substances contained
BA-M-CX -830-G5 ¹⁾	30-01-2023	4062172328012	No declarable substances contained

Product description	Declaration No. in SCIP database
BA-M-CX -810-G5 ¹⁾	No declarable substances contained
BA-M-CX -880-G5 ¹⁾	No declarable substances contained
BA-M-CX -865-G5 ¹⁾	No declarable substances contained
BA-M-CX -840-G5 ¹⁾	No declarable substances contained
BA-M-CX -830-G5 ¹⁾	No declarable substances contained

¹⁾ See product remark

Product remark

Modules perfectly matched to 12 V OSRAM OPTOTRONIC electronic control gear/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

Application advice



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

Sales and Technical Support

Sales and Technical Support www.osram.com

Product family datasheet

Download Data

File	
	User instruction UI of 15114781 BA L M CX G5
	Product Datasheet 335818_BackLED L (EN)

Logistical Data

Product code	Product description	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Volume	Gross weight
4062172327930	BA-M-CX -810-G5	Shipping carton box 60	365 mm x 265 mm x 318 mm	30.76 dm ³	8400.00 g
4062172327954	BA-M-CX -880-G5	Shipping carton box 60	365 mm x 265 mm x 318 mm	30.76 dm ³	8400.00 g
4062172327978	BA-M-CX -865-G5	Shipping carton box 60	365 mm x 265 mm x 318 mm	30.76 dm ³	8400.00 g
4062172327992	BA-M-CX -840-G5	Shipping carton box 60	365 mm x 265 mm x 318 mm	30.76 dm ³	8400.00 g
4062172328012	BA-M-CX -830-G5	Shipping carton box 60	365 mm x 265 mm x 318 mm	30.76 dm ³	8400.00 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.