

PrevaLED Bar G4

Area and Bar Light Engines



Product family features

- Module efficacy: up to 197 lm/W
- Average lifetime (L80 B10): up to 70,000 h (temperature at $T_c = 55^\circ\text{C}$)
- Available module length: 1 ft/280 mm or 2 ft/560mm
- Available with luminous flux: 1,156 lm, 2,312 lm and 3,572 lm
- Available with color temperature: 3,000 K, 4,000 K
- High initial color consistency: 3 SDCM
- CE marked

Product family benefits

- 3-row LED module suitable for 3 x 11 optics
- Cut out area for shadow-free wiring
- Push-in connector for automated wiring
- HV-type for serial connection
- LV-type for parallel connection

Areas of application

- Retail
- Supermarkets
- Industry



Product family datasheet

Technical data

Product description	Electrical data			Photometrical data		Light technical data	LED module information
	Nominal voltage	Nominal current	Type of current	Luminous efficacy	Color rendering index Ra	Beam angle	Number of LEDs per module
PL-BAR-G4 1100-830-280X55-LV/HV	29.0 V	0.25 A	DC	183 lm/W	80	0 °	33
PL-BAR-G4 1100-840-280X55-LV/HV	29.0 V	0.25 A	DC	197 lm/W	80	0 °	33
PL-BAR-G4 2200-830-560X55-LV	29.0 V	0.5 A	DC	183 lm/W	80	0 °	66
PL-BAR-G4 2200-840-560X55-LV	29.0 V	0.5 A	DC	197 lm/W	80	0 °	66
PL-BAR-G4 2200-830-560X55-HV	57.7 V	0.25 A	DC	183 lm/W	80	0 °	66
PL-BAR-G4 2200-840-560X55-HV	57.7 V	0.25 A	DC	197 lm/W	80	0 °	66

Product description	Dimensions & weight				Temperatures & operating conditions	
	Product weight	Height	Width	Length	Performance temp. acc. to IEC 62717	Temperature range in operation at Tc point
PL-BAR-G4 1100-830-280X55-LV/HV	50.00 g	5.00 mm	55.0 mm	280.0 mm	50 °C	-20...75 °C
PL-BAR-G4 1100-840-280X55-LV/HV	50.00 g	5.00 mm	55.0 mm	280.0 mm	50 °C	-20...75 °C
PL-BAR-G4 2200-830-560X55-LV	98.00 g	5.00 mm	55.0 mm	560.0 mm	50 °C	-20...75 °C
PL-BAR-G4 2200-840-560X55-LV	98.00 g	5.00 mm	55.0 mm	560.0 mm	50 °C	-20...75 °C
PL-BAR-G4 2200-830-560X55-HV	98.00 g	5.00 mm	55.0 mm	560.0 mm	50 °C	-20...75 °C
PL-BAR-G4 2200-840-560X55-HV	98.00 g	5.00 mm	55.0 mm	560.0 mm	50 °C	-20...75 °C

Product description			Lifespan	Additional product data
	Maximum temperature at tc test point	Temperature range at storage	Number of switching cycles	Predecessor EAN
PL-BAR-G4 1100-830-280X55-LV/HV	75 °C	-30...85 °C	100000	4052899999404
PL-BAR-G4 1100-840-280X55-LV/HV	75 °C	-30...85 °C	100000	4052899999411
PL-BAR-G4 2200-830-560X55-LV	75 °C	-30...85 °C	100000	4052899999428
PL-BAR-G4 2200-840-560X55-LV	75 °C	-30...85 °C	100000	4052899999435
PL-BAR-G4 2200-830-560X55-HV	75 °C	-30...85 °C	100000	
PL-BAR-G4 2200-840-560X55-HV	75 °C	-30...85 °C	100000	

Product description	Capabilities	Certificates & standards	Logistical data	Environmental information according Art. 33 of EU Regulation (EC) 1907/2006 (REACH)
	Dimmable	Standards	Commodity code	Date of Declaration
PL-BAR-G4 1100-830-280X55-LV/HV	Yes	CE/ENEC	85414100000	18-04-2022

Product family datasheet

	Capabilities	Certificates & standards	Logistical data	Environmental information Information according Art. 33 of EU Regulation (EC) 1907/2006 (REACH)
Product description	Dimmable	Standards	Commodity code	Date of Declaration
PL-BAR-G4 1100-840-280X55-LV/HV	Yes	CE/ENEC	85414100000	18-04-2022
PL-BAR-G4 2200-830-560X55-LV	Yes	CE/ENEC	85414100000	18-04-2022
PL-BAR-G4 2200-840-560X55-LV	Yes	CE/ENEC	85414100000	18-04-2022
PL-BAR-G4 2200-830-560X55-HV	Yes	CE/ENEC	85414100000	18-04-2022
PL-BAR-G4 2200-840-560X55-HV	Yes	CE/ENEC	85414100000	18-04-2022

Product description	Primary Article Identifier	Candidate List Substance 1	Declaration No. in SCIP database
PL-BAR-G4 1100-830-280X55-LV/HV	4052899618282	No declarable substances contained	No declarable substances contained
PL-BAR-G4 1100-840-280X55-LV/HV	4052899618305	No declarable substances contained	No declarable substances contained
PL-BAR-G4 2200-830-560X55-LV	4052899618329	No declarable substances contained	No declarable substances contained
PL-BAR-G4 2200-840-560X55-LV	4052899618343	No declarable substances contained	No declarable substances contained
PL-BAR-G4 2200-830-560X55-HV	4052899618336	No declarable substances contained	No declarable substances contained
PL-BAR-G4 2200-840-560X55-HV	4052899618350	No declarable substances contained	No declarable substances contained

Product family datasheet

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	
	Certificates PL ENEC 40031612 250723
	Declarations of conformity PL-BAR-G4 1100 2200 LV HV CED 4206233 060420
	Declarations of conformity PL BAR G4 CE 4206233 160623
	CAD data PL BAR G4 1100 280x55 LV HV IGS 060420
	CAD data PL BAR G4 1100 280x55 LV HV STEP 060420
	CAD Data 2-dim PL BAR G4 1100 280x55 LV HV CAD2PDF 060420
	CAD data 3-dim PL BAR G4 1100 280x55 LV HV CAD3PDF 060420
	CAD data PL BAR G4 2200 560x55 LV IGS 060420
	CAD data PL BAR G4 2200 560x55 LV STEP 060420
	CAD Data 2-dim PL BAR G4 2200 560x55 LV CAD2PDF 060420
	CAD data 3-dim PL BAR G4 2200 560x55 LV CAD3PDF 060420
	CAD data PL BAR G4 2200 560x55 HV IGS 230420
	CAD data PL BAR G4 2200 560x55 HV STEP 230420
	CAD Data 2-dim PL BAR G4 2200 560x55 CAD2PDF 230420
	CAD data 3-dim PL BAR G4 2200 560x55 HV CAD3PDF 230420

Product family datasheet

Ecodesign regulation information:

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
4052899618282	PL-BAR-G4 1100-830-280X55-LV/HV	Shipping carton box 60	300 mm x 306 mm x 225 mm	20.66 dm ³	3270.00 g
4052899618305	PL-BAR-G4 1100-840-280X55-LV/HV	Shipping carton box 60	300 mm x 306 mm x 225 mm	20.66 dm ³	3270.00 g
4052899618329	PL-BAR-G4 2200-830-560X55-LV	Shipping carton box 60	586 mm x 306 mm x 225 mm	40.35 dm ³	6262.00 g
4052899618343	PL-BAR-G4 2200-840-560X55-LV	Shipping carton box 60	586 mm x 306 mm x 225 mm	40.35 dm ³	6262.00 g
4052899618336	PL-BAR-G4 2200-830-560X55-HV	Shipping carton box 60	586 mm x 306 mm x 225 mm	40.35 dm ³	6262.00 g
4052899618350	PL-BAR-G4 2200-840-560X55-HV	Shipping carton box 60	586 mm x 306 mm x 225 mm	40.35 dm ³	6262.00 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.