

## BackLED Area White

LED modules for light advertising and backlighting



### Product family features

- 24 V constant voltage LED modules
- Color temperature: 2,700 K, 3,000 K or 4,000 K
- Color rendering index  $R_a$ : > 90
- Consistent white light: 3 SDCM
- Constant LED pitch even at board interconnections
- Cuttable, single board for an exact fit in any installation

### Product family benefits

- Provides homogenous light suitable for application in area luminaires
- Quick and easy mounting thanks to plastic holder
- Easy wiring with push-in connectors
- Low energy consumption and less heat generation
- Optimal operation on OPTOTRONIC 24VDC and 24VDC dimmable power supplies

### Areas of application

- Area lighting
- Light ceilings
- Hospitality, hotels, restaurants
- Museums, art galleries
- Individual and customized luminaires
- Backlighting shallow box signs



Technical data

Electrical data

Product description	Nominal voltage	Nominal wattage per LED module	Accidental reverse input voltage protection up to	Input voltage range	Type of current
BA-AR-G1 900 540X270 927	24.0 V	9 W	25 V	23...25 V	DC
BA-AR-G1 900 540X270 930	24.0 V	9 W	25 V	23...25 V	DC
BA-AR-G1 900 540X270 940	24.0 V	8,6 W	25 V	23...25 V	DC

Photometrical data

Product description	Light color (designation)	Light color LED	Luminous efficacy	Standard deviation of color matching
BA-AR-G1 900 540X270 927	Warm White	Warm white	100 lm/W	≤3 sdc <sub>m</sub>
BA-AR-G1 900 540X270 930	Warm White	Warm white	102 lm/W	≤3 sdc <sub>m</sub>
BA-AR-G1 900 540X270 940	Neutral White	Neutral white	110 lm/W	≤3 sdc <sub>m</sub>

Light technical data

Product description	Warm-up time (60 %)	Starting time
BA-AR-G1 900 540X270 927	< 2.00 s	< 1.0 s
BA-AR-G1 900 540X270 930	< 2.00 s	< 1.0 s
BA-AR-G1 900 540X270 940	< 2.00 s	< 1.0 s

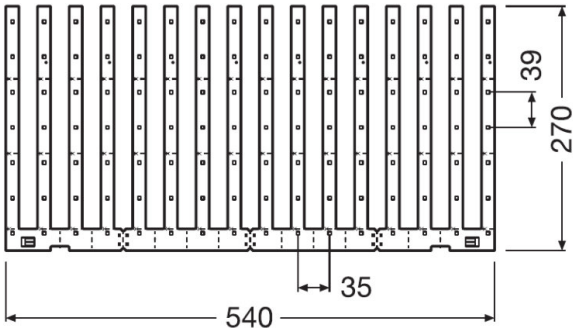
LED module information

Product description	Number of LEDs per module	Minimum operable number of LED modules
BA-AR-G1 900 540X270 927	112	1
BA-AR-G1 900 540X270 930	112	1
BA-AR-G1 900 540X270 940	112	1

Dimensions & weight

Product description	Product weight
BA-AR-G1 900 540X270 927	188.00 g
BA-AR-G1 900 540X270 930	188.00 g
BA-AR-G1 900 540X270 940	188.00 g

Product line drawing



BA-AR-G1 900 540X270 927, BA-AR-G1 900 540X270 930,  
BA-AR-G1 900 540X270 940

Temperatures & operating conditions

Product description	Temperature range in operation at Tc point	Temperature range at storage
BA-AR-G1 900 540X270 927	-25...75 °C	-30...80 °C
BA-AR-G1 900 540X270 930	-25...75 °C	-30...80 °C
BA-AR-G1 900 540X270 940	-25...75 °C	-30...80 °C

Lifespan

Product description	Nominal lamp life time	Lumen main. fact. at end of nom. life time	Rated lamp life time	Number of switching cycles
BA-AR-G1 900 540X270 927	60000 h	0.80	60000 h	30000
BA-AR-G1 900 540X270 930	60000 h		60000 h	30000
BA-AR-G1 900 540X270 940	60000 h		60000 h	30000

Capabilities

Product description	Dimming range
BA-AR-G1 900 540X270 927	1...100 %
BA-AR-G1 900 540X270 930	1...100 %
BA-AR-G1 900 540X270 940	1...100 %

Certificates & standards

Product description	Energy consumption	Type of protection	Standards
BA-AR-G1 900 540X270 927	10 kWh/1000h	IP00	CE
BA-AR-G1 900 540X270 930	10 kWh/1000h	IP00	CE
BA-AR-G1 900 540X270 940	10 kWh/1000h	IP00	CE

Logistical data

Product description	Commodity code
BA-AR-G1 900 540X270 927	85395100000
BA-AR-G1 900 540X270 930	85395100000
BA-AR-G1 900 540X270 940	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-AR-G1 900 540X270 927	23-05-2022	4062172124751	No declarable substances contained
BA-AR-G1 900 540X270 930	23-05-2022	4062172124775	No declarable substances contained
BA-AR-G1 900 540X270 940	23-05-2022	4062172124799	No declarable substances contained
Product description	Declaration No. in SCIP database		
BA-AR-G1 900 540X270 927	No declarable substances contained		

Product family datasheet

Product description	Declaration No. in SCIP database
BA-AR-G1 900 540X270 930	No declarable substances contained
BA-AR-G1 900 540X270 940	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](http://www.osram.com)

Download Data

File
 User instruction BackLED Area G1
 Brochures Technical application guide BackLED and BoxLED portfolio (EN)

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 family datasheet

Logistical Data

Product code	Product description	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Volume	Gross weight
4062172124751	BA-AR-G1 900 540X270 927	Shipping carton box 16	605 mm x 307 mm x 333 mm	61.85 dm <sup>3</sup>	4938.00 g
4062172124775	BA-AR-G1 900 540X270 930	Shipping carton box 16	605 mm x 307 mm x 333 mm	61.85 dm <sup>3</sup>	4938.00 g
4062172124799	BA-AR-G1 900 540X270 940	Shipping carton box 16	605 mm x 307 mm x 333 mm	61.85 dm <sup>3</sup>	4938.00 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-AR-G1 900 540X270 927	BA -BAR 16PICS KIT	▶ 4062172197168
BA-AR-G1 900 540X270 930	BA -BAR 16PICS KIT	▶ 4062172197168
BA-AR-G1 900 540X270 940	BA -BAR 16PICS KIT	▶ 4062172197168

Disclaimer

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