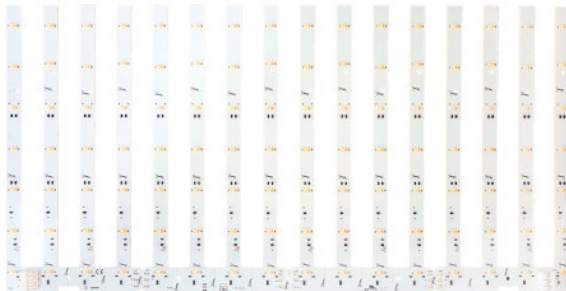


BackLED Area Tunable White

LED modules for light advertising and backlighting



Product family features

- 24 V constant voltage LED modules
- Tunable white 2700K-6500K for dynamic white applications
- Color rendering index $R_a : > 90$
- Constant LED pitch even at board interconnections
- Cuttable, single board for an exact fit in any installation
- Product only compatible with DALI DT8 drivers (TW) or OSRAM BLE devices with OSRAM TW lamp profiles

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
- Individual and customized luminaires
- Daylight simulation



Product family datasheet

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 TW	24.0 V	17.6 W	25 V	23...25 V	DC

Photometrical data

Product description	Light color LED	Luminous efficacy	Standard deviation of color matching
BA-AR-G1 900 540X270 TW	Tunable White	105 lm/W	≤3 sdcn

Light technical data

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

LED module information

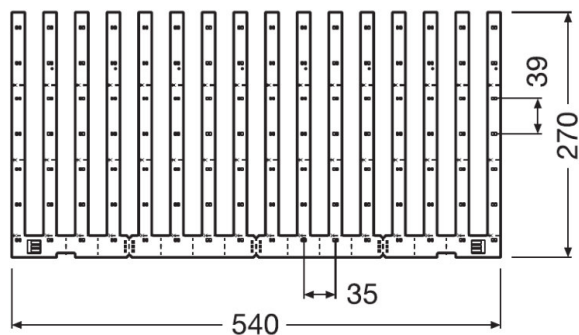
Product description	Number of LEDs per module	Minimum operable number of LED modules
BA-AR-G1 900 540X270 TW	224	1

Dimensions & weight

Product description	Product weight
BA-AR-G1 900 540X270 TW	188.00 g

Product family datasheet

Product line drawing



BA-AR-G1 900 540X270 TW

Temperatures & operating conditions

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

Lifespan

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

Capabilities

Product description	Dimming range
BA-AR-G1 900 540X270 TW	1...100 %

Product family datasheet

Certificates & standards

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

Logistical data

Product description	Commodity code
BA-AR-G1 900 540X270 TW	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 TW	31-05-2023	4062172141642	No declarable substances contained

Product description	Declaration No. in SCIP database
BA-AR-G1 900 540X270 TW	No declarable substances contained

Application advice

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



Additional product information

- This product must be operated by a DALI DT8 power supply or OSRAM BLE devices in TW profile



Sales and Technical Support

Sales and Technical Support www.osram.com

Download Data

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

Product family datasheet

	Eulumdat EULUMDAT BackLED AREA file
	IES data IES BackLED AREA file

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
4062172141642	BA-AR-G1 900 540X270 TW	Shipping carton box 16	605 mm x 307 mm x 333 mm	61.85 dm ³	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 TW	BA -BAR 16PICS KIT	▶ 4062172197168

Disclaimer

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