Product datasheet

BA-AR-G1 900 540X270 930

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

© 2024, Inventronics GmbH. All rights reserved. Inventronics is a licensee of the OSRAM brand. OSRAM is a trademark of ams OSRAM.

Technical data

Electrical data

Nominal voltage	24.0 V
Nominal wattage per LED module	9 W
Accidental reverse input voltage protection up to	25 V
Input voltage range	23…25 V
Type of current	DC
Rated wattage	9.50 W
Nominal wattage	9.50 W
Nominal current	0.395 A

Photometrical data

Light color (designation)	Warm White
Light color LED	Warm white
Luminous efficacy	102 lm/W
Standard deviation of color matching	≤3 sdcm
Color temperature	3000 K
Color rendering index Ra	>90
Luminous flux per LED module	920 lm
Luminous flux per LED module at Tc 25 °C	920 lm
Nom. useful luminous flux 120°	920 lm
Rated useful luminous flux 120°	920 lm
Total useful luminous flux	920 lm

Light technical data

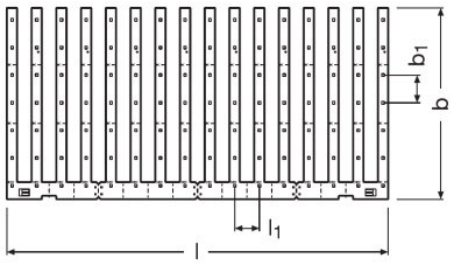
Starting time	< 1.0 s
Warm-up time (60 %)	< 2.00 s

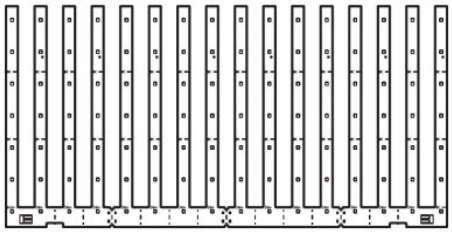
LED module information

Number of LEDs per module	112
Minimum operable number of LED modules	1

© 2024, Inventronics GmbH. All rights reserved. Inventronics is a licensee of the OSRAM brand. OSRAM is a trademark of ams OSRAM.

Dimensions & weight





Product weight	188.00 g
Length	540.0 mm
Width	270.0 mm
Height	3.00 mm

Temperatures & operating conditions

Temperature range in operation at Tc point	-25…75 °C
Temperature range at storage	-30…80 °C
Performance temp. acc. to IEC 62717	40 °C

Lifespan

Number of switching cycles	30000
Rated lamp life time	60000 h
Nominal lamp life time	60000 h

Additional product data

ID of contained light source	LS_TRV_285779

Capabilities

Dimming range	1…100 %

Certificates & standards

Energy consumption	10 kWh/1000h
Type of protection	IP00
Standards	CE
Approval marks – approval	CE
Energy efficiency class of the contained light source	F

© 2024, Inventronics GmbH. All rights reserved. Inventronics is a licensee of the OSRAM brand. OSRAM is a trademark of ams OSRAM.

Logistical data

Commodity code	85395100000

Environmental information

Information according Art. 33 of EU Regulation (EC) 1907/2006 (REACh)	
Date of Declaration	23-05-2022
Primary Article Identifier	4062172124775
Candidate List Substance 1	No declarable substances contained
Declaration No. in SCIP database	No declarable substances contained

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.

Logistical Data

Product code	Product description	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Volume	Gross weight
4062172124775	BA-AR-G1 900 540X270 930	Shipping carton box 16	605 mm x 307 mm x 333 mm	61.85 dm^3	4938.00 g

© 2024, Inventronics GmbH. All rights reserved. Inventronics is a licensee of the OSRAM brand. OSRAM is a trademark of ams OSRAM.

Logistical Data

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 930	BA -BAR 16PICS KIT	4062172197168

Disclaimer

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

© 2024, Inventronics GmbH. All rights reserved. Inventronics is a licensee of the OSRAM brand. OSRAM is a trademark of ams OSRAM.