

## BA-AR-G1 900 540X270 940

BackLED Area White | LED modules for light advertising and backlighting



### Areas of application

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

### 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

### 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
- Cutable, single board for an exact fit in any installation



## Technical data

### Electrical data

Nominal voltage	24.0 V
Nominal wattage per LED module	8.6 W
Accidental reverse input voltage protection up to	25 V
Input voltage range	23...25 V
Type of current	DC
Rated wattage	8.90 W
Nominal wattage	8.90 W
Nominal current	0.37 A

### Photometrical data

Light color (designation)	Neutral White
Light color LED	Neutral white
Luminous efficacy	110 lm/W
Standard deviation of color matching	≤3 sdc <sub>m</sub>
Color temperature	4000 K
Color rendering index Ra	>90
Luminous flux per LED module	950 lm
Luminous flux per LED module at T <sub>c</sub> 25 °C	950 lm
Nom. useful luminous flux 120°	950 lm
Rated useful luminous flux 120°	950 lm
Total useful luminous flux	950 lm

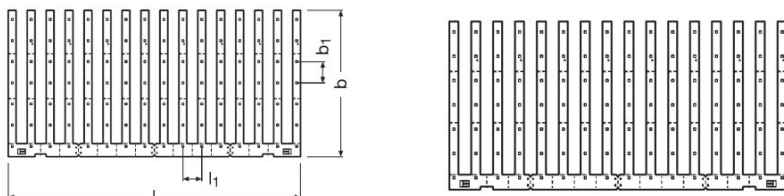
### Light technical data

Starting time	< 1.0 s
Warm-up time (60 %)	< 2.00 s
Rated beam angle (half peak value)	120.00 °

### LED module information

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

## Dimensions & weight



<b>Product weight</b>	239.70 g
<b>Length</b>	540.0 mm
<b>Width</b>	270.0 mm
<b>Height</b>	3.00 mm

## Temperatures & operating conditions

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

## Lifespan

<b>Number of switching cycles</b>	30000
<b>Rated lamp life time</b>	60000 h
<b>Nominal lamp life time</b>	60000 h

## Capabilities

<b>Dimmable</b>	Yes
<b>Dimming range</b>	1...100 %

## Certificates & standards


<b>Energy consumption</b>	10 kWh/1000h
<b>Energy efficiency class</b>	A+
<b>Type of protection</b>	IP00
<b>Standards</b>	CE
<b>Approval marks – approval</b>	CE

## Logistical data

## Product datasheet

<b>Commodity code</b>	854370909900
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### Download Data

File	
	User instruction BackLED Area G1

### Logistical Data

Product code	Product description	Packaging unit (Pieces/Unit)	Dimensions (length x width x height)	Volume	Gross weight
4062172124799	BA-AR-G1 900 540X270 940	Shipping carton box 16	606 mm x 307 mm x 320 mm	59.53 dm <sup>3</sup>	10955.00 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.