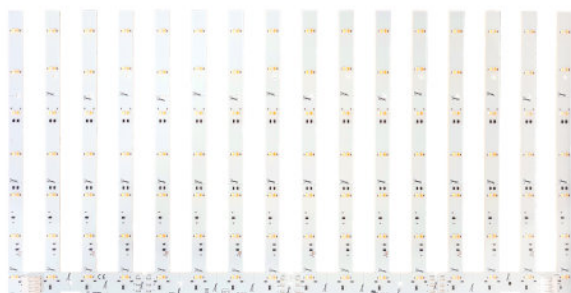**OSRAM**

# BA-AR-G1 900 540X270 TW

BackLED Area Tunable White | LED modules for light advertising and backlighting



### Areas of application

- Area lighting
- Light ceilings
- Hospitality, hotels, restaurants
- Individual and customized luminaires
- Daylight simulation

### 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
- 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 datasheet

## 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** | 19.00 W |
| **Nominal wattage** | 19.00 W |
| **Nominal current** | 0.00079 A |

## Photometrical data

| | |
|---|---|
| **Light color LED** | Tunable White |
| **Luminous efficacy** | 105 lm/W |
| **Standard deviation of color matching** | ≤3 sdcm |
| **Color temperature** | 2700 K |
| **Color rendering index Ra** | 90 |
| **Luminous flux per LED module** | 925 lm |
| **Luminous flux per LED module at Tc 25 °C** | 925 lm |
| **Nom. useful luminous flux 120°** | 120 lm |
| **Rated useful luminous flux 120°** | 120 lm |
| **Total useful luminous flux** | 925 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** | 224 |
| **Minimum operable number of LED modules** | 1 |

# Product datasheet

## Dimensions & weight
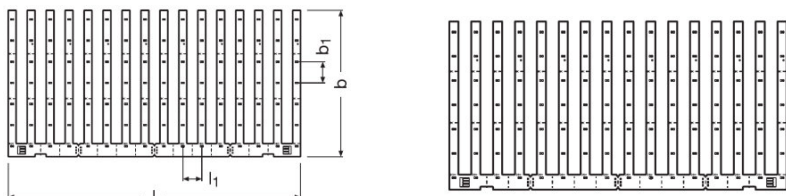
| | |
|---|---|
| **Product weight** | 239.70 g |
| **Length** | 540.0 mm |
| **Width** | 270.0 mm |
| **Height** | 3.00 mm |

## 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 |
| **Nominal lamp life time** | 60000 h |

## Capabilities

| | |
|---|---|
| **Dimming range** | 1...100 % |

## Certificates & standards

| | |
|---|---|
| **Energy consumption** | 10 kWh/1000h |
| **Energy efficiency class** | A+ |
| **Type of protection** | IP00 |
| **Standards** | CE |
| **Approval marks – approval** | CE |

## Logistical data

| | |
|---|---|
| **Commodity code** | 854370909900 |

# Product datasheet

## Download Data

| | File |
|---|---|
|  | User instruction<br>BackLED Area TW |

## 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 | 606 mm x 307 mm x 320 mm | 59.53 dm³ | 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.

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