

## Basic Area G2

### Area and Bar Light Engines



#### Product family features

- Module efficacy: up to 166 lm/W
- Average lifetime (L80 B50): up to 70,000 h (temperature at  $T_c = 55^\circ\text{C}$ )
- Available with luminous flux: 2,600 lm
- Available with color temperature: 3,000 K, 4,000 K or 6,500 K
- High initial color consistency:  $\leq 3$  SDCM
- CE marked, ENEC certified

#### Product family benefits

- Rectangular shape (540 mm x 270 mm) to fit in multiple square applications
- Easy installation and mounting via interconnection of two modules
- Provides homogenous light suitable for application in area luminaires
- SELV module for easy luminaire design

#### Areas of application

- Offices
- Hallways, corridors
- Light ceilings



Product family datasheet

Technical data

Electrical data

| Product description       | Nominal voltage | Nominal current | Type of current |
|---------------------------|-----------------|-----------------|-----------------|
| BA-AR-G2 2500-830 540X270 | 39.6 V          | 0.4 A           | DC              |
| BA-AR-G2 2500-840 540X270 | 39.6 V          | 0.4 A           | DC              |
| BA-AR-G2 2500-865 540X270 | 39.6 V          | 0.4 A           | DC              |

Photometrical data

| Product description       | Luminous efficacy | Color rendering index Ra |
|---------------------------|-------------------|--------------------------|
| BA-AR-G2 2500-830 540X270 | 161 lm/W          | 80                       |
| BA-AR-G2 2500-840 540X270 | 166 lm/W          | 80                       |
| BA-AR-G2 2500-865 540X270 | 166 lm/W          | 80                       |

Light technical data

| Product description       | Beam angle |
|---------------------------|------------|
| BA-AR-G2 2500-830 540X270 | 0 °        |
| BA-AR-G2 2500-840 540X270 | 0 °        |
| BA-AR-G2 2500-865 540X270 | 0 °        |

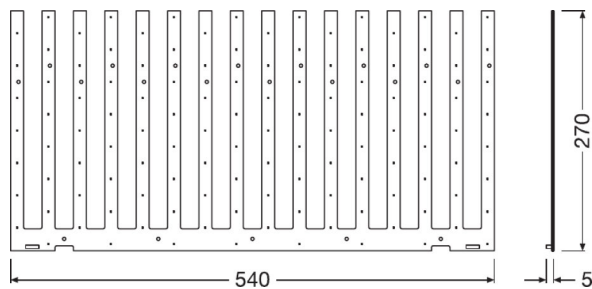
LED module information

| Product description       | Number of LEDs per module |
|---------------------------|---------------------------|
| BA-AR-G2 2500-830 540X270 | 120                       |
| BA-AR-G2 2500-840 540X270 | 120                       |
| BA-AR-G2 2500-865 540X270 | 120                       |

Dimensions & weight

| Product description       | Product weight | Length   | Height  | Width    |
|---------------------------|----------------|----------|---------|----------|
| BA-AR-G2 2500-830 540X270 | 215.00 g       | 540.0 mm | 5.00 mm | 270.0 mm |
| BA-AR-G2 2500-840 540X270 | 215.00 g       | 540.0 mm | 5.00 mm | 270.0 mm |
| BA-AR-G2 2500-865 540X270 | 215.00 g       | 540.0 mm | 5.00 mm | 270.0 mm |

Product line drawing



BA-AR-G2 2500-830 540X270, BA-AR-G2 2500-840 540X270, BA-AR-G2 2500-865 540X270

Temperatures & operating conditions

| Product description       | Performance temp. acc. to IEC 62717 | Temperature range in operation at Tc point | Maximum temperature at tc test point | Temperature range at storage |
|---------------------------|-------------------------------------|--------------------------------------------|--------------------------------------|------------------------------|
| BA-AR-G2 2500-830 540X270 | 55 °C                               | -20...75 °C                                | 75 °C                                | -30...85 °C                  |
| BA-AR-G2 2500-840 540X270 | 55 °C                               | -20...75 °C                                | 75 °C                                | -30...85 °C                  |
| BA-AR-G2 2500-865 540X270 | 55 °C                               | -20...75 °C                                | 75 °C                                | -30...85 °C                  |

Lifespan

| Product description       | Number of switching cycles |
|---------------------------|----------------------------|
| BA-AR-G2 2500-830 540X270 | 100000                     |
| BA-AR-G2 2500-840 540X270 | 100000                     |
| BA-AR-G2 2500-865 540X270 | 100000                     |

Additional product data

| Product description       | Predecessor EAN |
|---------------------------|-----------------|
| BA-AR-G2 2500-830 540X270 | 4052899989238   |
| BA-AR-G2 2500-840 540X270 | 4052899989252   |
| BA-AR-G2 2500-865 540X270 | 4052899989276   |

Capabilities

| Product description       | Dimmable |
|---------------------------|----------|
| BA-AR-G2 2500-830 540X270 | Yes      |
| BA-AR-G2 2500-840 540X270 | Yes      |
| BA-AR-G2 2500-865 540X270 | Yes      |

Certificates & standards

| Product description       | Standards |
|---------------------------|-----------|
| BA-AR-G2 2500-830 540X270 | CE/ENEC   |
| BA-AR-G2 2500-840 540X270 | CE/ENEC   |
| BA-AR-G2 2500-865 540X270 | CE/ENEC   |

Logistical data

| Product description       | Commodity code |
|---------------------------|----------------|
| BA-AR-G2 2500-830 540X270 | 85395100000    |
| BA-AR-G2 2500-840 540X270 | 85395100000    |
| BA-AR-G2 2500-865 540X270 | 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-G2 2500-830 540X270 | 18-04-2022          | 4052899619166              | No declarable substances contained |
| BA-AR-G2 2500-840 540X270 | 18-04-2022          | 4052899619173              | No declarable substances contained |
| BA-AR-G2 2500-865 540X270 | 18-04-2022          | 4052899619180              | No declarable substances contained |

| Product description       | Declaration No. in SCIP database   |
|---------------------------|------------------------------------|
| BA-AR-G2 2500-830 540X270 | No declarable substances contained |
| BA-AR-G2 2500-840 540X270 | No declarable substances contained |
| BA-AR-G2 2500-865 540X270 | No declarable substances contained |

# Product family datasheet

## 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                                                                              |                                         |
|-----------------------------------------------------------------------------------|-----------------------------------------|
|  | Certificates<br>PL ENEC 40031612 250723 |

## Ecodesign regulation information:

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 |
|---------------|------------------------------|------------------------------|--------------------------------------|-----------------------|--------------|
| 4052899619166 | BA-AR-G2 2500-830<br>540X270 | Shipping carton box<br>20    | 595 mm x 363 mm x 293 mm             | 63.28 dm <sup>3</sup> | 6461.00 g    |
| 4052899619173 | BA-AR-G2 2500-840<br>540X270 | Shipping carton box<br>20    | 595 mm x 363 mm x 293 mm             | 63.28 dm <sup>3</sup> | 6461.00 g    |
| 4052899619180 | BA-AR-G2 2500-865<br>540X270 | Shipping carton box<br>20    | 595 mm x 363 mm x 293 mm             | 63.28 dm <sup>3</sup> | 6461.00 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.