

BA-AR-G1 900 540X270 927

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
- Cuttable, single board for an exact fit in any installation



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	100 lm/W
Standard deviation of color matching	≤3 sdc _m
Color temperature	2700 K
Color rendering index Ra	>90
Luminous flux per LED module	900 lm
Luminous flux per LED module at T _c 25 °C	900 lm
Nom. useful luminous flux 120°	900 lm
Rated useful luminous flux 120°	900 lm
Total useful luminous flux	900 lm

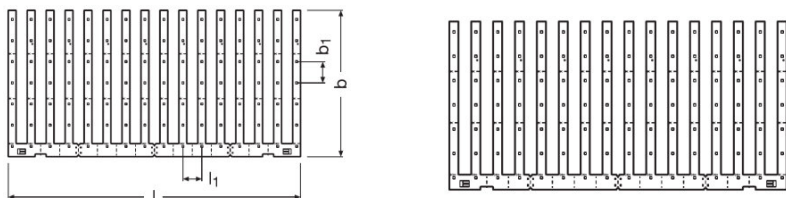
Light technical data

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



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
Rated lamp life time	60000 h
Lumen main.fact.at end of nom.life time	0.80
Nominal lamp life time	60000 h

Capabilities

Dimmable	Yes
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

Product datasheet

Logistical data

Commodity code	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
4062172124751	BA-AR-G1 900 540X270 927	Shipping carton box 16	606 mm x 307 mm x 320 mm	59.53 dm ³	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.