

# BL AIR SIDE 450 EOL

BL AIR Side LED lighth tube 450lm/m 24VDC 14.6W/m IP67 830 5m

Article no.: 102121



24

V

Lamp voltage

5010

mm

Max. length

>80

Colour rendering index CRI Luminous flux per meter

450

lm

## TENDER TEXT

AIR SIDE LED lighth tube, LED strip in silicone sheath, 450 lm/m, curved bend to light emission surface, cable connection on one side, cable outlet at rear, 24VDC 14.6W/m IP67 CRI>80 3000K WHITE 5m LED module BL AIR SIDE 450 EOL Article 102121 Linear LED light strip on a flexible circuit board. Installation using appropriate mounting accessories in conjunction with Plug-&-Play connection system. Dimmable using BILTON LEDON Technology LED dimmer. Suitable for ambient temperatures from -20 ... +55 °C at a service life of 50000 h . At an ambient temperature of 85°C, a lifetime of 50,000 hours can still be guaranteed. Up to 95°C the lifetime is 30,000 hours and at temperatures of 100°C still 16,000 hours (> L70B50). The BL AIR SIDE 450 EOL LED-strip has a luminous flux of 450 lm at 14.6 W, resulting in an efficiency of 31 lm/W. At a nominal voltage of 24 V DC on the connection, a maximum module length of 5010 mm can be achieved. In terms of lighting, the module has a colour temperature of 3000 K and a beam angle of 120°. All this with a colour rendering index of >80 and a Binning selection based on SDCM3 (MacAdams). The light strip can be separated every 50.0 mm, resulting in a LED distance of 7.14 mm. Degree of protection IP67 , Bending radius 200 mm Dimension (L x W x H): 5010.0 mm x 13.2 mm x 16.0 mm

## TOP-FEATURES

//\_\_ Homogeneously luminous light line without visible light points

//\_\_ IP67 -protection in highly flexible silicone jacket

//\_\_ New connection: the end caps close straight to the profile

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|      |     |      |        |
|------|-----|------|--------|
| 24 V | >80 | IP67 | 3000 K |
|------|-----|------|--------|

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## MECHANICAL DATA

|                                    |                        |
|------------------------------------|------------------------|
| Width [mm]                         | 13.2                   |
| Length [mm]                        | 5010.0                 |
| Height/depth [mm]                  | 16                     |
| Height [mm]                        | 16.0                   |
| Colour                             | White                  |
| Model                              | Schlauch               |
| Self-adhesive                      | nein                   |
| Lamp type                          | LED nicht austauschbar |
| Distance [mm]                      | 7.14                   |
| Distance relating to               | LED zu LED             |
| Degree of protection (IP)          | IP67                   |
| Length of particular segments [mm] | 50.0                   |
| Lowest bending radius [mm]         | 200                    |
| Number of lamps per meter          | 140                    |

## ELECTRICAL DATA

|                           |         |
|---------------------------|---------|
| Protection class          | III     |
| Voltage type              | DC      |
| Lamp voltage [V]          | 24      |
| Input voltage range [V]   | 23 - 25 |
| Lamp power per meter [W]  | 14.6    |
| Overall efficiency [lm/W] | 31      |

## LIGHT TECHNICAL DATA

|                                     |       |
|-------------------------------------|-------|
| Beam angle [°]                      | 120   |
| Colour rendering index CRI          | >80   |
| Colour temperature [K]              | 3000  |
| Colour of light                     | White |
| Luminous flux per meter [lm]        | 450   |
| Colour consistency (McAdam ellipse) | SDCM3 |

## CONNECTION

|                                            |      |
|--------------------------------------------|------|
| Conductor cross section [mm <sup>2</sup> ] | 0.5  |
| Number of poles                            | 2    |
| Max. length [mm]                           | 5010 |

## TEMPERATURE TECHNICAL DATA

|                                           |               |
|-------------------------------------------|---------------|
| Ambient/storage temperature [°C]          | - 20 ... + 55 |
| Ambient temperature during operating [°C] | - 20 ... + 55 |
| Rated life time L80/B10 at 25 °C [h]      | 50000         |

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## PACKAGING INFORMATION

|                       |               |
|-----------------------|---------------|
| EAN                   | 4250716944563 |
| Article no.           | 102121        |
| Gross width [mm]      | 330.0         |
| Gross height [mm]     | 27.0          |
| Gross length [mm]     | 330.0         |
| Customs tariff number | 94054039      |
| Net width [mm]        | 13.2          |
| Net height [mm]       | 16            |
| Net length [mm]       | 5010          |
| State of origin       | AT            |

\* Information about the electrical and lighting technology measurements: Performance data measured after 1 min. at 25 °C ambient temperature and a light colour of 4,000 K (or RGB). These values can have a tolerance value of -/+ 15%. Module length at 24 V input voltage at the module and luminous flux drop 10% over the specified length.

SAFETY INFORMATION: Read the safety and installation instructions carefully and completely before commissioning. The operating instructions can be found at: [www.better-light.at](http://www.better-light.at)

DISCLAIMER OF WARRANTY: The technical information corresponds to the status at the time of printing and have been worked out to the best of our knowledge. However, errors and printing errors are reserved. Make sure that you always use the latest version of the data sheets. The latest data sheet can be found at: [www.better-light.at](http://www.better-light.at)