1. GENERAL INFORMATION REGARDING PROPER USE OF THE PRODUCT

The Barthelme LEDlight flex LED strip is designed to provide lighting and can be used in a variety of different ways. The same applies for property damage and personal injury caused by improper handling or non-observance of the safety instructions. All information in these instructions, and especially the safety instructions, must be followed at all times. BARTHELME LEDLIGHT FLEX LED STRIPS – INSTRUCTIONS FOR INSTALLATION AND USE. We also accept no liability for consequential damages resulting from improper use.

2. SAFETY INSTRUCTIONS

All information in these instructions, and especially the safety instructions, must be followed at all times. 

The use of this symbol in these instructions indicates a risk of electric shock.

This symbol indicates general hazards or important information that must be observed.

The arrow symbol is used to indicate specific information or tips.

WARNING OF ELECTRIC VOLTAGE!

Improper and unprofessional working when connecting the LED strip presents a danger to life. The electrical installation must be carried out by a qualified electrician!

3. INSTALLATION AND HANDLING INSTRUCTIONS

During installation, observe the safety regulations for the prevention of electrostatic discharge (ESD). This is one of the most common causes of failure in electronic components containing semiconductor. Barthelme produces, stores and packs all Barthelme LEDlight flex LED strips in an ESD-protected environment and uses anti-static packaging. We recommend using our ESD grounding set with wrist strap when working with the product (item No. 50991800).

GENERAL INSTRUCTIONS FOR USE

- The LED strip may only be sharply bent once in places where no electronic components are mounted. The minimum bending radius is 2 cm.
- Ensure that no mechanical loads are applied to the electronic components on the LED strip.
- Ensure that the LED strip is adequately protected in areas containing dust or water.

CUTTING LED STRIPS TO THE DESIRED LENGTH:

- You can use scissors (or similar) to cut the Barthelme LEDlight flex LED strip to the desired length at the marked points between the solder pads.

ADDING CONNECTIONS VIA SOLDERING

- Connect the supply line or connection cable by soldering it to the provided solder pads.
- Note the polarity (+/-) label on the solder pads. If the polarity is incorrect, no light will be emitted and/or the LED strip may be damaged.
- When soldering, a max. soldering time of 3 seconds and a max. soldering temperature at 350°C must be observed.
- When connecting multiple LED modules, observe the maximum operational length of a combined module (see valid datasheet at www.barthelme.de). Correspondingly longer LED modules are possible by intermediate inlay or by inlay at beginning and end of the LED module.

ADDING CONNECTIONS WITHOUT SOLDERING

- An LED strip connector can be used with Barthelme LEDlight flex LED strips marked with the product identification numbers 5137001, 5137002, 5137003, 5137004.
- Remove the protective foil from the adhesive tape. Push the LED strip into the connector until it snaps into place.
- When connecting multiple LED modules, observe the maximum operational length of a combined module (see valid datasheet at www.barthelme.de). Correspondingly longer LED modules can be created by connecting an intermediate inlay at the beginning and end of the LED module.
- Note that the maximum current carrying capacity across all pins of a connector must not exceed 10 A!

MAX. CURRENT CARRYING CAPACITY PER PIN

2-pin 5 A
4-pin (pin 1/ pin 2 – 4) 5 A / 1.67 A

RESETTING THE IP PROTECTION TYPE

- When cutting or soldering an IP 66-MFC LED strip, these cut/soldered locations must then be resealed to restore full protection.
- For this purpose, we recommend only using products approved by us. An up-to-date list of these products can be found at www.barthelme.de.
- The use of connectors is not recommended for protection class IP 66-MFC.

INSTALLATION ON A THERMALLY CONDUCTIVE SUBSTRATE IMPORTANT: Before installation, led the LED strip for proper functioning in the unrolled state. Subsequent complaints for material defects cannot be accepted.

- Install the LED strip on a thermally conductive substrate using the double-sided adhesive tape on the rear.
- Ensure that the installation surface is clean and free from grease, oil, silicone and dirt particles.
- We strongly advise against performing the installation on uneven or poorly heat-conductive surfaces such as plastic-tileboard, wallpaper, wood or stone, as this may significantly shorten the product’s service life and adversely affect the adhesion of the adhesive tape.
- Ensure that solder joints are properly insulated from the profile.

4. DISPOSAL

Please play your part in helping to avoid waste. Should you no longer need this product, please keep in mind that many of its components are made from valuable raw materials, and can be recycled. Therefore, do not dispose of it in the dustbin; instead take it to your nearest collection point for electrical appliances.

Thank you for your help!

This product complies with the requirements of the applicable European and national directives. Its conformity has been verified, the corresponding declarations and documents have been recorded by the manufacturer.

* Subject to modifications