LEDsGO®

## What is LEDflex

LEDflex is a flexible PCB with on that a lot of SMD LEDs ('Surface Mount Device' 'Light Emitting Diode'). Combined with some other components the LEDs will light up if you power the input of the LEDflex. The advantage of the LEDflex is that we have a very long light and we can make a lot of different variants.

## Monochrome white

The monochrome white LEDflex has a standard color temperature, you can increase or decrease the LEDflex if you place a PWM module in front of the LEDflex.

## Tunable white

This LEDflex has in comparison with the monochrome white LEDflex a second led with a other color temperature next to the other one. By mixing the brightness off the 2 led's we will create different light temperatures between the color temperature of the first led an the color temperature from the second led.

Higher color temperature:

Lower color temperature:

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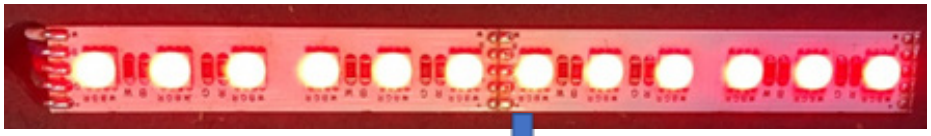
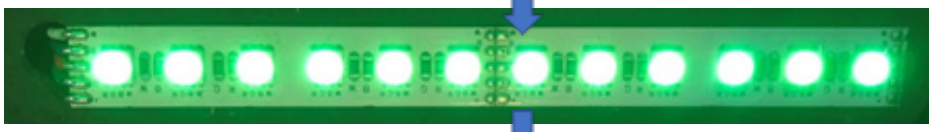
## RGB LEDflex

If you want to have other color's then white, you can chose this LEDflex. The RGB LEDflex can create other color's by mixing red, green and blue. Be aware that the white has a blue shine here. To have more color's and white, you can select the RGBW LEDflex. This LED-flex has a white led extra so you have the beautiful white back.

Red:



Green:



Blue:

And a lot of other colors ....

## Continuous LEDflex

This type of LEDflex is the same as the monochrome white LEDflex, the only difference here is that you have a legal white and no dot's.

Why a continuous LEDflex?
The LEDflex is very useful when it's mounted close to a wall or a reflective surface. You will see a very clear light without any pixels.

## Outdoor vs Indoor LEDflex

The big difference between these 2 are the IP value. Indoor has an IP value of IP20 and the outdoor has an IP value of IP65. This means that the outdoor LEDflex is resistant against water but the indoor LEDflex is not resistant against water. The outdoor LEDflex is covered with a layer of waterproof material. So if you cut the LEDflex, you need to apply an end cover and some glue to make it waterproof again. See underneath for instructions.



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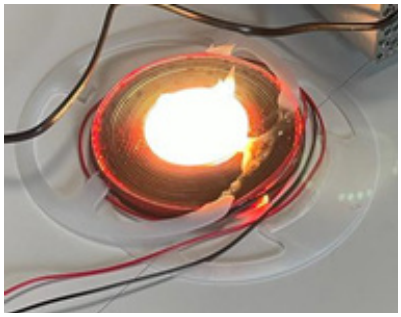
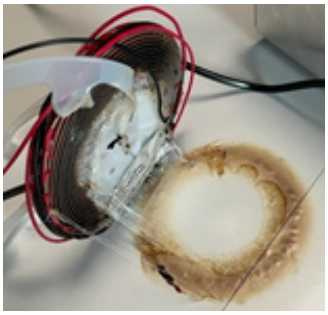
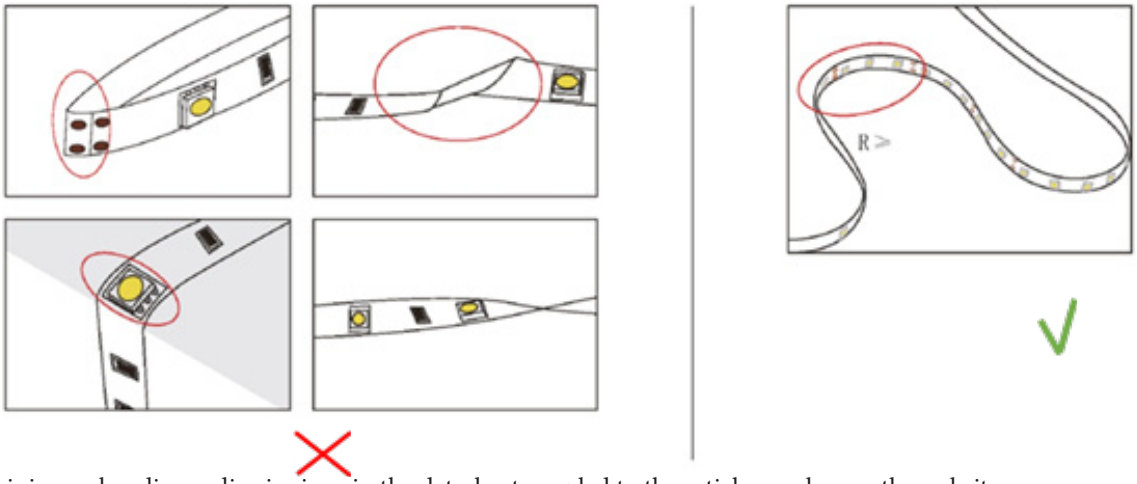
## What you shouldn't do with a LEDflex

- Do not turn on the LEDflex while it's rolled up



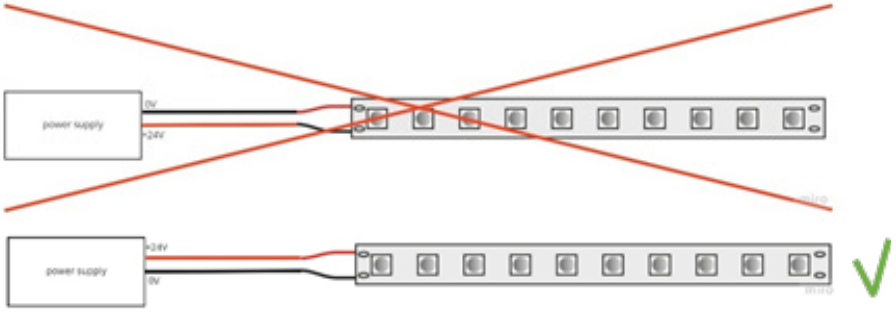


- Do not force pulling the LEDflex
- Do not curve it to narrow, damage will occur




minimum bending radius is given in the datasheet coupled to the article number on the website.

- Do not exceed the rated voltage
- Do not inverse polarize the input voltage



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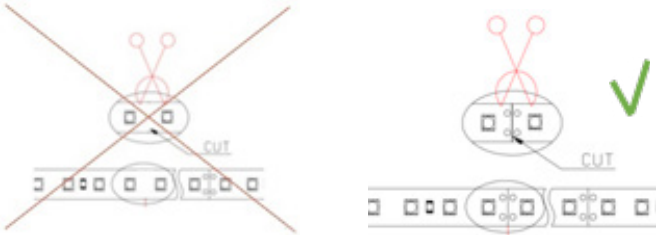
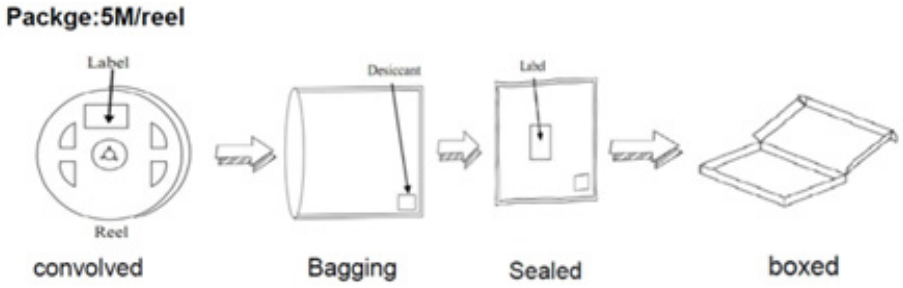
- Do not cut between cuttable lengths, there is a line with copper pads where you can cut




- Do not cut the LEDflex while it is connected to the power supply!
- The LEDs are not replaceable

## Packing

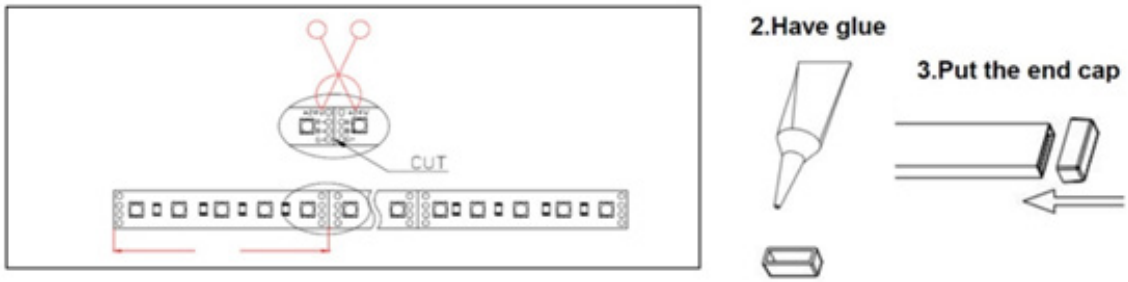



Accessories

Indoor:
- 10 Silicone mounting brackets

Outdoor:
- 10 Silicone mounting brackets
- 3 Endcaps closed
- 3 Endcaps with holes
- 1 Tube with glue

If you cut the LEDflex, make it waterproof again with this short roadmap.



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