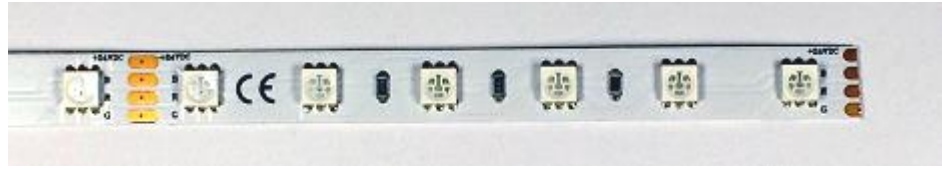


LED FLEX RGB

LL code: 83008

1

Basic description LEDFLEX RGB



1.1

Application

Ideal for applications like:

- concealed and cove lighting
- edge lighting and contour marking
- back lighting for signage
- path and walkway lighting
- architectural decorative lighting

1.2

Specifications

Comes on roll with 5m as standard packing length (100 units of 50mm)

Voltage 24VDC

Max.current/m:

| | |
|-------|-------|
| Red | 0,17A |
| Green | 0,19A |
| Blue | 0,18A |
| RGB | 0,54A |

Max. power/m:

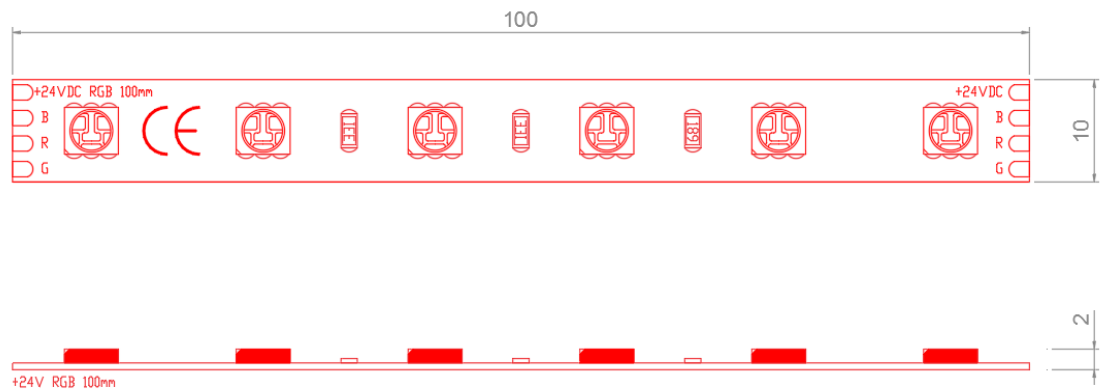
| | |
|-------|----------|
| Red | 4W/m |
| Green | 4,6W/m |
| Blue | 4,2W/m |
| RGB | 12,77W/m |

LED quantity: 60pcs/m

LED pitch: 16,9mm

Cuttable every: 100mm or 6 LEDs

IP20



1.3

LEDs

Lumen n.a.
Efficiency: n.a.
Light color: RGB
CRI: n.a.

Spectrum:
Red 621,9 nm
Green 512,4 nm
Blue 472,3 nm

1.4

Assembly

The mounting of the strip can be done with the double-sided adhesive on the back of the strip. The mounting surface must be clean and dry, free of oils, silicone coatings and dirt particles and must be heat conducting. We recommend on aluminum profile as carrier.

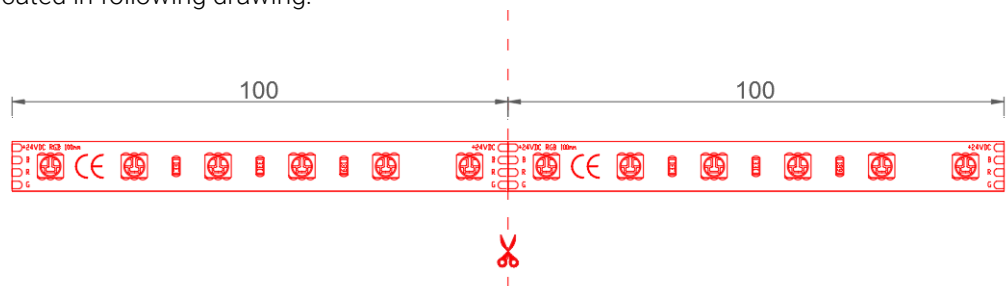
When mounting on metallic or electric conductive surfaces, there needs to be an electrical isolation between the strip and the mounting surface at the beginning and the end.

Once the strip is appropriately positioned. Press gently on the strip with about 20N/cm² (refer to application techniques of 3M adhesive transfer tapes).

The strip itself and all its components may not be mechanically stressed. Assembly must not damage conducting paths on the circuit boards.

Bending the strip over small radius should be avoided to prevent damage.

The smallest unit (6 LEDs/50mm) can be removed by cutting between the solder pads, like indicated in following drawing:



The maximum length in single feed from one side is 5m.

To define maximum length on LL driver cards, refer to the table on the website www.lux-lumen.com.

Please ensure that the power supply is adapted to operate the total load.

1.5

Connections

Solder connection should only be performed on designated solder pads (marked "+/-"). Correct electrical polarity needs to be observed. Wrong polarity may destroy the strip. During soldering, don't exceed the maximum soldering time of 10 seconds and the maximum soldering temperature of 260 C°.

1.6

Dimensions

| | |
|--------------------|-------------------|
| Supplied LEDstrip: | +/- 5000mm x 10mm |
| Separate Unit: | +/- 100mm x 10mm |
| Height LEDstrip: | +/- 2mm |