FLEX STRIP Eco-II, Basic-II and Pro-II
Features and Benefits

Flex Strip uses multiple-chip LED technology to create a superior linear strip light source. Flex Strip produces a very high light output, and it’s also very efficient, compared with conventional LED strip lighting. Meanwhile it maintains the excellent and uniform effects thanks to the intelligent electrical design and LED wide angle.

Characteristics

- High output SMD 3528
- High luminous output
- The light is strong and uniform: without ugly hot spots or uneven areas. No "light dots"
- Long operating life: 50,000 hrs
- Complete system: Fixing brackets, cable, end-caps are provided
- Impressive flexibility and low weight
- Resistant to vibration
- Wide operating temperature: It can be operated between -40º to +60ºC. A more extreme temperature may destroy the components or resin

Don’t expose it to salty water

Technical Performance

<table>
<thead>
<tr>
<th>CODE</th>
<th>REFERENCE</th>
<th>COLOR</th>
<th>LED Qty/mtr</th>
<th>Color Temperature (K)</th>
<th>POWER W/mtr</th>
<th>LENGTH</th>
<th>LIGHT OUTPUT (lm/mtr)</th>
<th>CUTTING UNIT</th>
<th>BEAM ANGLE (º)</th>
<th>VOLTAGE (V DC)</th>
<th>CONTINUOUS CONNECTION (m)</th>
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IRIS 2002, S.A.
C/ San Agustín, 17 28014 Madrid SPAIN
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www.irisled.com
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**Dimensions**

**Flex strip ECO-II**

![Flex strip ECO-II diagram]

**Flex strip BASIC-II**

![Flex strip BASIC-II diagram]

**Packaging**

Standard packing
LED strips: 1 reel(5m) 20 bag to one inner box(26x22x25cm)
Accessories: 1 bag 4 inner boxes to one outer carton(52x45x28cm)

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Flex strip PRO-II

**Installation**

1. Solder connection should only be performed on designated solder pads (marked +/-). During soldering, don't exceed the maximum soldering time of 10 seconds and the maximum soldering temperature of 260 Celsius degrees.

2. The smallest cutting unit is 25mm/1"-6 LEDs, and it can be removed by cutting with scissors on the designated solder pads.

3. The mounting of the strip is facilitated by means of the double-sided adhesive on the back-surface of the strip. Care must be taken to provide a clean and dry mounting surface, free of oils or silicone coatings as well as dirt particles. The mounting substrate must have sufficient structural integrity. Take care to completely remove the adhesive backing. Once the strip is appropriately positioned, press on the strip with about 20N/cm² (refer to application techniques of 3M adhesive transfer tapes).

4. The minimum bending radius is 2cm. The strip may be bent over a smaller radius of the circuit board containing no electronic components and such bends should be made once and fixed in position to avoid cyclic fatigue.

5. Adequate and proper power supply should be applied to run IRIS flex strip.

6. User can calculate the power consumption according to the electrical data, then decide what power supply should be used.

7. Max 5 meters are recommended as the reasonable connection length of Flex Strip. If more length connected, the brightness will be reduced.

8. Controller is necessary to dim or create an animation for fixed color and RGB version.

**Accessories included**

1pc joined connector with wire

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Safety Information

1. The strip itself and all its components may not be mechanically stressed.
2. Assembly must not damage or destroy conducting paths on the circuit board.
3. Follow electrical and safety standards. Only qualified personnel should be allowed to perform installations.
4. Correct electrical polarity needs to be observed. Wrong polarity may destroy the strip.
5. Parallel connection is highly recommended as safe electrical operation mode.
6. Serial connection is not recommended. Unbalanced voltage drop can cause hazardous overload and damage the strip.
7. Please ensure that the power supply has power to operate the total load. The power supply should be able to load 8A to run 5 meters.
8. When mounting on metallic or otherwise conductive surfaces, there needs to be electrical isolation points between the strip and the mounting surface.
9. Pay attention to standard ESD precautions when installing the strip.
10. Failures caused by corrosion will not be honored as a materials defect claim. It is user's responsibility to provide suitable protection against corrosive agents such as moisture, condensation and other harmful elements.
11. After cutting along the marked line, if you want to connect the cut sections or connect one section to power, you will need to use the waterproof connector (included).