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

Product Shot

Flexstrip ECO & BASIC

Flexstrip PRO

Minimum Diameter

5cm
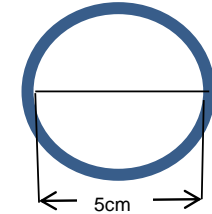
Applications

Cove light, ceiling light	Door courtesy lighting
Architectural lights for canopy, corridor, window	Indoor Accent lighting
Lights for retail showcases & shop windows	Furniture lighting
Under cabinet or Edge lighting	Stair/walkway lights (indoor)
Automotive dash light, limo interior decoration	Path & Contour marking
Emergency exit path lighting	Exhibition, fair, events
Back or edge light of illumination box, panel, signage	
Lighting for cinemas, theatres, museum, yachts, hospitality industry, etc.	

Warranty

3 years

Technical Performance

| CODE	REFERENCE	COLOR	LED QTY/mtr	Color Temperature (K)	POWER W/mtr	LENGTH	LIGHT OUTPUT (lm/mtr)	CUTTING UNIT	BEAM ANGLE (°)	VOLTAGE (V DC)	CONTINUOUS CONNECTION (m)
20370001	FLEX STRIP ECO-Ⅱ WW 5m/roll 300 LEDs	WW	60	3000-3500	9.6	5m	480	5cm	120	12	5
20370002	FLEX STRIP ECO-Ⅱ WDL 5m/roll 300 LEDs	WDL	60	6500-7000	9.6	5m	600	5cm	120	12	5
20370003	FLEX STRIP Basic-Ⅱ WW 5m/roll 390 LEDs	WW	78	3000-3500	12.48	5m	624	3.8cm	120	12	5
20370004	FLEX STRIP Basic-Ⅱ WDL 5m/roll 390 LEDs	WDL	78	6500-7000	12.48	5m	780	3.8cm	120	12	5
20370088	FLEX STRIP BASIC-Ⅱ RED 5m/roll 150 LEDs	RED	30		7.2	5m	180	10cm	120	12	5

| CODE	REFERENCE	COLOR	LED QTY/mtr	Color Temperature (K)	POWER W/mtr	LENGTH	LIGHT OUTPUT (lm/mtr)	CUTTING UNIT	BEAM ANGLE (°)	VOLTAGE (V DC)	CONTINUOUS CONNECTION (m)
20370089	FLEX STRIP PRO-Ⅱ GREEN 5m/roll 150 LEDs	GREEN	30		7.2	5m	300	10cm	120	12	5
20370090	FLEX STRIP PRO-Ⅱ BLUE 5m/roll 150 LEDs	BLUE	30		7.2	5m	150	10cm	120	12	5
20370091	FLEX STRIP PRO-Ⅱ YELLOW 5m/roll 150 LEDs	YELLOW	30		7.2	5m	180	10cm	120	12	5
20370005	FLEX STRIP PRO-Ⅱ WW 5m/roll 600 LEDs	WW	120	3000-3500	19.2	5m	960	2.5cm	120	12	5
20370006	FLEX STRIP PRO-Ⅱ WDL 5m/roll 600 LEDs	WDL	120	6500-7000	19.2	5m	1200	2.5cm	120	12	5
20370082	FLEX STRIP PRO-Ⅱ RED 5m/roll 300 LEDs	RED	60		14.4	5m	360	5cm	120	12	5
20370083	FLEX STRIP PRO-Ⅱ GREEN 5m/roll 300 LEDs	GREEN	60		14.4	5m	600	5cm	120	12	5
20370084	FLEX STRIP PRO-Ⅱ BLUE 5m/roll 300 LEDs	BLUE	60		14.4	5m	300	5cm	120	12	5
20370085	FLEX STRIP PRO-Ⅱ YELLOW 5m/roll 300 LEDs	YELLOW	60		14.4	5m	360	5cm	120	12	5

Dimensions

Flex strip ECO-II
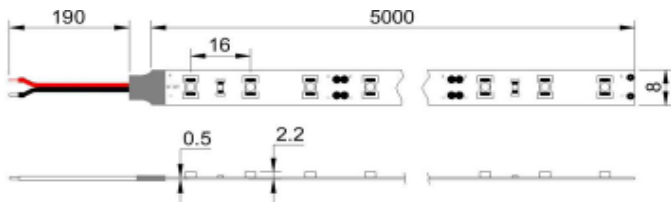
Flex strip BASIC-II
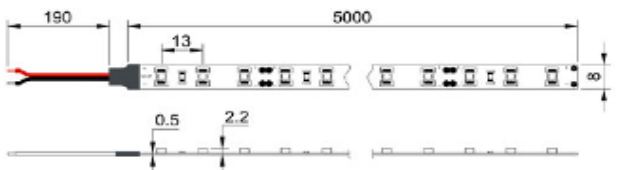
Packaging
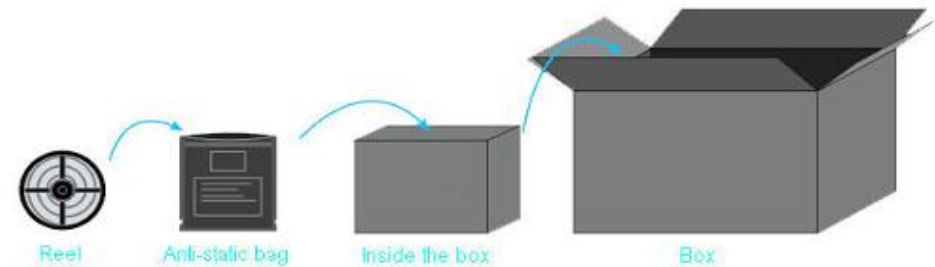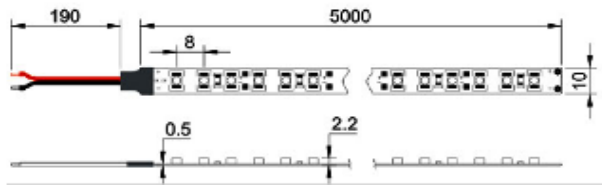

Standard packing

LED strips: 1 reel(5m)   20 bag to one inner box(26x22x25cm)

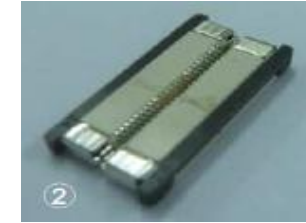Accessories: 1 bag   4 inner boxes to one outer carton(52x45x28cm)
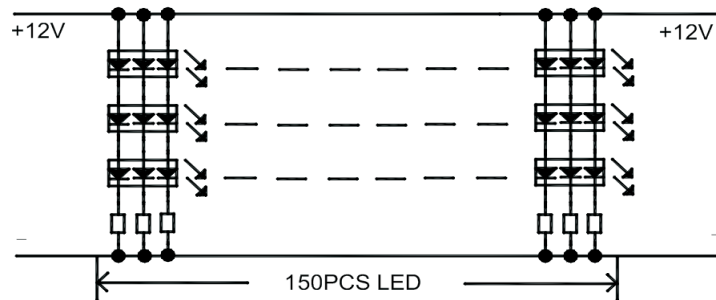
Flex strip PRO-II

1pc joined connector
with wire

1pc joined connector

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.

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).