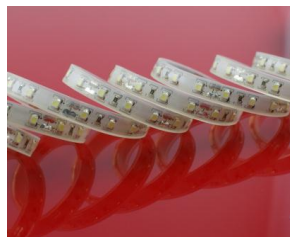


Flex Strip Eco-II, Basic-II and Pro-II Plus IP67



Features and Benefits



Flex Strip IP67 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. Flex Strip IP67 gives you freedom of design when you work on your light project. It's slim, completely flexible, waterproof, ultra-bright and very easy to install.

Characteristics

High output SMD3528 as light source

The light is strong but without hot spots or uneven spots. No "light dots"

Long operating life: 50,000 hrs

Complete system: Fixing brackets, cable, end-caps are provided

IP67 for outdoor use

Impressive flexibility and low weight

Resistant to vibration

Wide operating temperature: It can be operated between -40° to +60°C. A more extreme temperature may destroy the components or resin.

Don't expose it to salty water

Technical Performance

ECO-II Plus

CODE	REFERENCE	COLOR	LED QTY/mtr	POWER W/mtr	LENGTH	LIGHT OUTPUT (lm/mtr)	CUTTING UNIT	BEAM ANGLE (°)	VOLTAGE (V DC)	CONTINUOUS CONNECTION (m)
20370271	FLEX STRIP ECO-II Plus WW IP 67 SILICON 2.5m/roll 150 LEDs	WW	60	9.6	2.5m	432	5cm	120	12	5
20370272	FLEX STRIP ECO-II Plus WDL IP 67 SILICON 2.5m/roll 150 LEDs	WDL	60	9.6	2.5m	540	5cm	120	12	5

Applications

Cove light, ceiling light

Architectural lights for canopy, corridor, window, archway

Backlight or edge lighting for signage

DIY lights for home use

Path and contour marking

Decorative lights for holidays, events, shows, etc

Other outdoor uses

Lifetime & Warranty

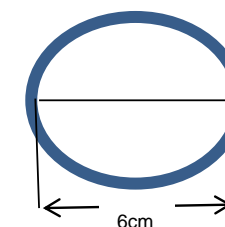
Expected Lifetime: 50.000 hrs

Warranty: 2 years

With New Red adhesive tape



Minimum Diameter



BASIC-II Plus

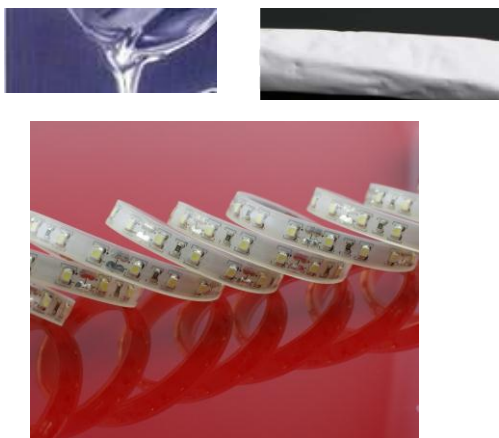
CODE	REFERENCE	COLOR	LED QTY/mtr	POWER W/mtr	LENGTH	LIGHT OUTPUT (lm/mtr)	CUTTING UNIT	BEAM ANGLE (°)	VOLTAGE (V DC)	CONTINUOUS CONNECTION (m)
20370264	FLEX STRIP BASIC-II Plus WW IP 67 SILICON 2.5m/roll 195 LEDs	WW	78	12.48	2.5m	562	3.8cm	120	12	5
20370265	FLEX STRIP BASIC-II Plus WDL IP 67 SILICON 2.5m/roll 195 LEDs	WDL	78	12.48	2.5m	702	3.8cm	120	12	5
20370266	FLEX STRIP BASIC-II Plus RED IP 67 SILICON 2.5m/roll 75 LEDs	RED	30	7.2	2.5m	162	10cm	120	12	5
20370267	FLEX STRIP BASIC-II Plus YELLOW IP 67 SILICON 2.5m/roll 75 LEDs	YELLOW	30	7.2	2.5m	162	10cm	120	12	5
20370268	FLEX STRIP BASIC-II Plus GREEN IP 67 SILICON 2.5m/roll 75 LEDs	GREEN	30	7.2	2.5m	270	10cm	120	12	5
20370269	FLEX STRIP BASIC-II Plus BLUE IP 67 SILICON 2.5m/roll 75 LEDs	BLUE	30	7.2	2.5m	135	10cm	120	12	5

PRO-II Plus

CODE	REFERENCE	COLOR	LED QTY/mtr	POWER W/mtr	LENGTH	LIGHT OUTPUT (lm/mtr)	CUTTING UNIT	BEAM ANGLE (°)	VOLTAGE (V DC)	CONTINUOUS CONNECTION (m)
20370274	FLEX STRIP PRO-II Plus WW IP 67 SILICON 2.5m/roll 300 LEDs	WW	120	19.2	2.5m	864	2.5cm	120	12	5
20370275	FLEX STRIP PRO-II Plus WDL IP 67 SILICON 2.5m/roll 300 LEDs	WDL	120	19.2	2.5m	1080	2.5cm	120	12	5
20370276	FLEX STRIP PRO-II Plus RED IP 67 SILICON 2.5m/roll 150 LEDs	RED	60	14.4	2.5m	324	5cm	120	12	5
20370277	FLEX STRIP PRO-II Plus YELLOW IP 67 SILICON 2.5m/roll 150 LEDs	YELLOW	60	14.4	2.5m	324	5cm	120	12	5
20370278	FLEX STRIP PRO-II Plus GREEN IP 67 SILICON 2.5m/roll 150 LEDs	GREEN	60	14.4	2.5m	540	5cm	120	12	5
20370279	FLEX STRIP PRO-II Plus BLUE IP 67 SILICON 2.5m/roll 150 LEDs	BLUE	60	14.4	2.5m	270	5cm	120	12	5

Difference between Silicon & Sleeve

Silicon

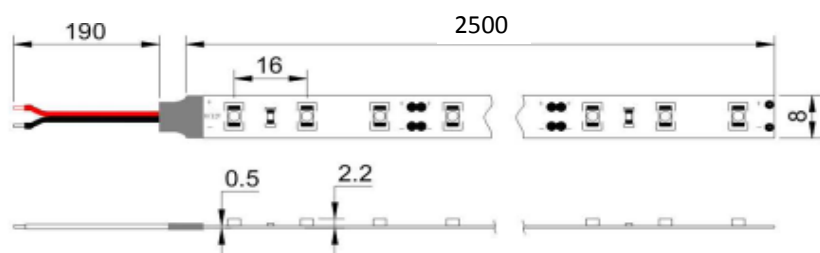


Sleeve

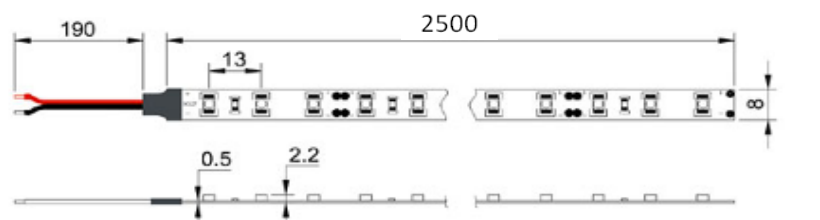


Dimensions

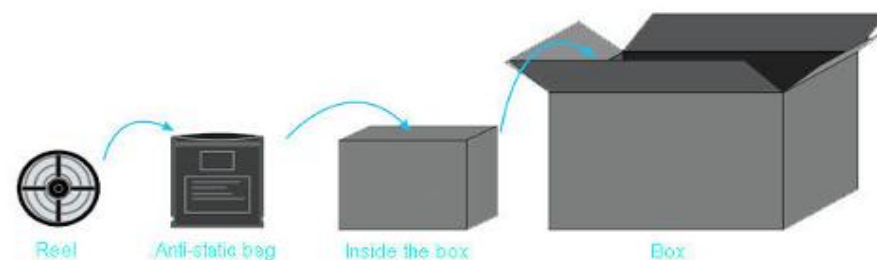
Flex strip ECO-II



Flex strip BASIC-II



Packaging

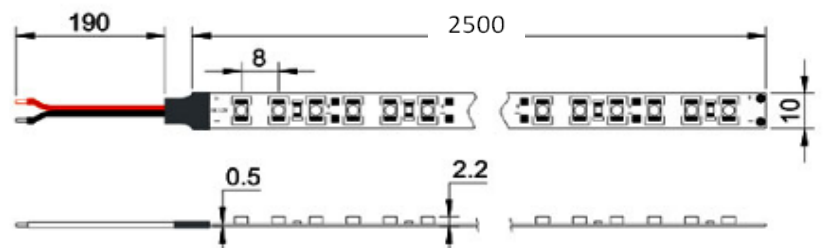


Standard packing

LED strips: 1 reel(5m) 14 bags to one inner box(26x22x25cm)

Accessories: 1 bag 4 inner boxes to one outer carton(52x45x28cm)

Flex strip PRO-II



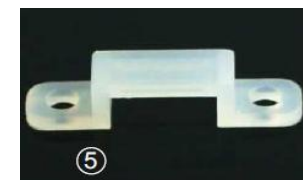
Accessories included



20pcs screws



4pcs end caps



10pcs clips

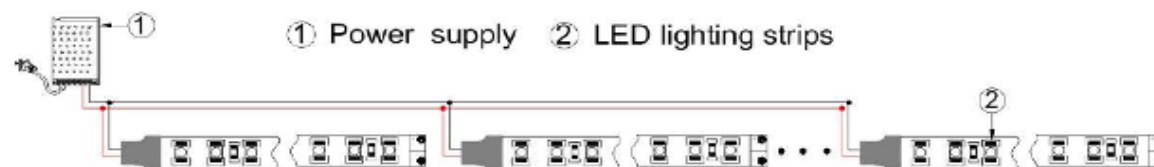
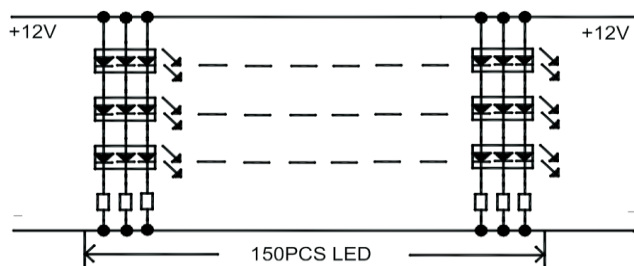


1 pc glue



1 set waterproof 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 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 LED 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).