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## Double Row LED Strip


cuttable CE RoHS COMPLIANT warranty 3 years

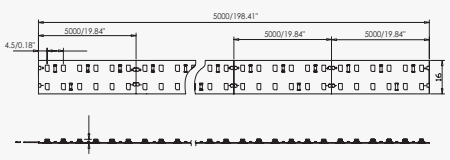
Double Row LED Strip features 2-line high brightness SMD LEDs on a 16mm wide FPC board. Like other flexible strips, Double Row LED Strip runs 5 meters a reel and it stands out with the remarkably light output. With CCT 6000K each meter of Double Row LED Strip gives more than 1,000 lumens meanwhile the whole strip gets no heat. Besides white color CCT 3000K, 4000-4500K and 6000K, other colors are also offered to customers. It definitely will be considered a good light source for signage, contour and canopy decorative purpose.
Double Row LED Strip is designed to be easily used by end users which has no professional technology at all. Consumers can cut the strip along the marks on PCB and do the join work again with our connector, so no any length of Double Row LED Strip will be wasted. With our L- and T-shape connector consumers can install Double Row LED Strip around the corners.

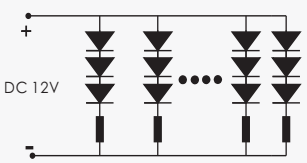
- 5m as the standard packing length
- Packing material is antistatic hot-sealing film bag
- Cuttable every 6 LEDs (one line)
- 3M adhesive tape on ribbon backside
- Ribbon width 16mm
- LED distance 8.3mm and cut section length 50mm.

### Possible applications

- Cove lighting
- 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 holiday, event, show, exhibition

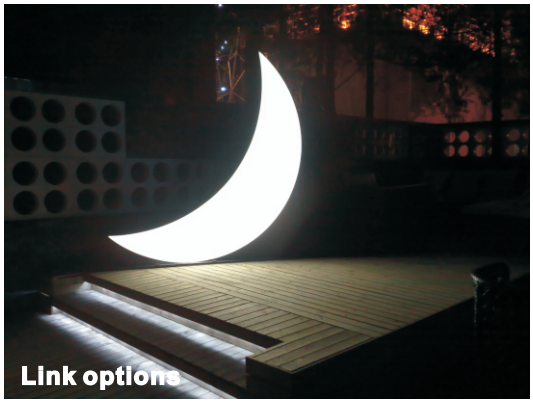
Dimension drawing (Unit:mm/inch)



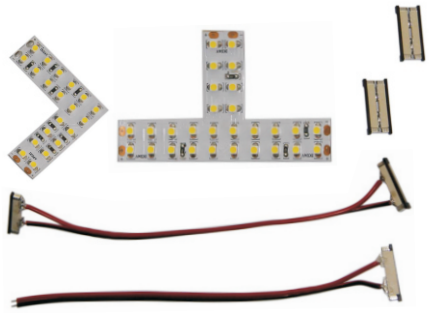



## Technical parameters

| Model Number | Length (m) | LED Q'ty | LED Type | Light Output (lumen/m) | Beam Angle (degrees) | Voltage (V DC) | Current (Amps/m) | Max.Power Consumption (W/m) | CRI | Continuous Connection (m) |
|---|---|---|---|---|---|---|---|---|---|---|
| 5MFL-1200SMD-R | 5 | 1200 | 3528 SMD LED | 720 | 120 | 12 | 1.6 | 19.2 | >80 | 5 |
| 5MFL-1200SMD-Y | 5 | 1200 | | 720 | | | | | | |
| 5MFL-1200SMD-G | 5 | 1200 | 3528 SMD LED | 1200 | 120 | 12 | 1.6 | 19.2 | >80 | 5 |
| 5MFL-1200SMD-B | 5 | 1200 | | 360 | | | | | | |
| 5MFL-1200SMD-WW | 5 | 1200 | 3528 SMD LED | 1580 | 120 | 12 | 1.6 | 19.2 | >80 | 5 |
| 5MFL-1200SMD-DW | 5 | 1200 | | 1660 | | | | | | |
| 5MFL-1200SMD-CW | 5 | 1200 | 3528 SMD LED | 1710 | 120 | 12 | 1.6 | 19.2 | >80 | 5 |
| 5MFL-1200SMD-R-24V | 5 | 1200 | | 720 | | 24 | 0.8 | | | |
| 5MFL-1200SMD-Y-24V | 5 | 1200 | 3528 SMD LED | 720 | 120 | 24 | 0.8 | 19.2 | >80 | 5 |
| 5MFL-1200SMD-G-24V | 5 | 1200 | | 1200 | | | | | | |
| 5MFL-1200SMD-B-24V | 5 | 1200 | 3528 SMD LED | 360 | 120 | 24 | 0.8 | 19.2 | >80 | 5 |
| 5MFL-1200SMD-WW-24V | 5 | 1200 | | 1580 | | | | | | |
| 5MFL-1200SMD-DW-24V | 5 | 1200 | 3528 SMD LED | 1660 | 120 | 24 | 0.8 | 19.2 | >80 | 5 |
| 5MFL-1200SMD-CW-24V | 5 | 1200 | | 1710 | | | | | | |




## Accessories



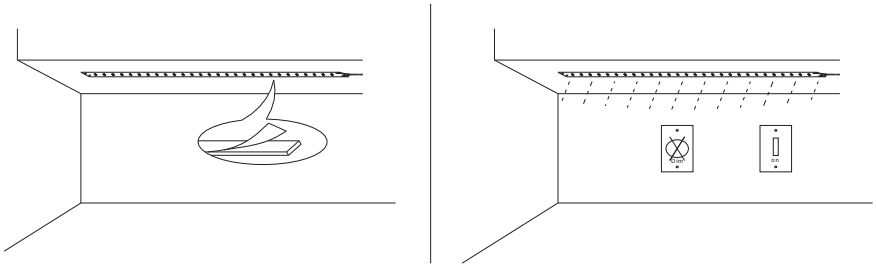
## Assembly Information

- 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.
- The smallest unit (50mm - 6 LEDs) can be removed by cutting with scissors between the designated solder pads.
- 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 partide. 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 ap-plication techniques of 3M adhesive transfer tapes).
- The minimum bending radius is 2 cm. The strip may be bent over a smaller radius of the circuit board contain-ing no electronic components and such bends should be made once and fixed in position to avoid cyclic fatigue.

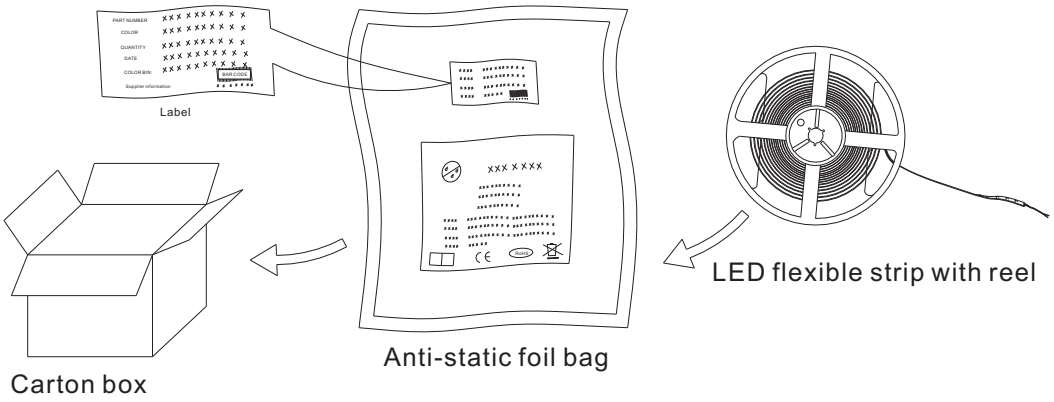
## Safety Information

- The strip itself and all its components may not be mechanically stressed.
- Assembly must not damage or destroy conducting paths on the circuit board.
- Installation of LED ribbon (with power supplies) needs to be made with regard to all applicable electrical and safety standards. Only qualified personnel should be allowed to perform installations.
- Correct electrical polarity needs to be observed. Wrong polarity may destroy the strip.
- Parallel connection is highly recommended as safe electrical operation mode.
- Serial connection is not recommended. Unbalanced voltage drop can cause hazardous overload and damage the strip.
- Please ensure that the power supply is of adapters power to operate the total load.
- When mounting on metallic or otherwise conductive surfaces, there needs to be an electrical isolation points between strip and the mounting surface.
- Pay attention to standard ESD precautions when installing the strip.
- Damaged by corrosion will not be honored as a materials defect claim. It is the user's responsibility to provide suitable protection against corrosive agents such as moisture and condensation and other harmful elements.

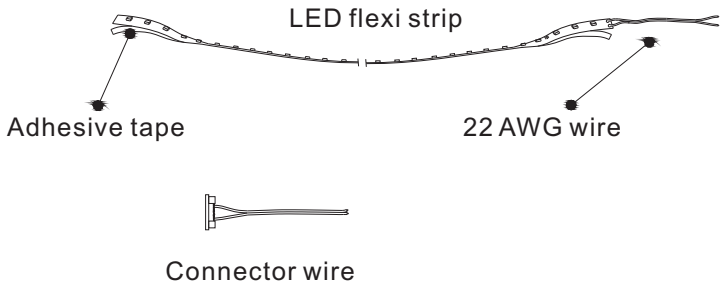
## installation



※ Packing information




※ **Connectors**

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