



LED Tape Lighting



The Tape Light is made with Flexible Printed Circuit Board and 3528 Top LEDs. The LED lighting is even, large, and gives a high brightness lighting effect. It is soft and easily bendable for installation. The entire casing is transparent, waterproof, and passing IP 65. Use of very soft PVC, after a molding material, as a protective film, which is transparent, waterproof and dustproof packaging. Has a very soft, flexible and easy to bend / install molding. Convenient, easily broken shock, convenient transportation, water, etc. The cutting unit is 5 meters (16.4ft) and 3 pieces LED per group, so you could cut a different length as needed for your project. The strip is working on 12V DC and passed CE EMC testing. Suitable for both indoor & outdoor decorative applications.

FEATURES

- ~ IP 65 Waterproof
- ~ LED Life time: 50,000 - 100,000 Hours
- ~ Operating Temp: -20°C ~ +45°C
- ~ Two Year Warranty
- ~ Fire Retardant, Anti-UV
- ~ Humidity: 40% ~ 70% R
- ~ 300 Pieces (3528 LEDs) per unit
- ~ Width of Strip: 11mm

INLINE DIMMER



KNOB DIMMER



ADDITIONAL ITEMS AVAILABLE

AC/DC ADAPTER

- ~ Input Voltage: 100V-240V AC
- ~ Input Current: 300A
- ~ Efficiency: 50-60Hz
- ~ Output Voltage Range: +/- 5%
- ~ Non-Load Power Consumption: 0.3W Max.
- ~ Energy Efficiency Level: 5 Energy Star (V2.0)
- ~ Operating Temp: 0°C ~ -60°C
- ~ Safety Compliance Standards: CCC, CE, CB
- ~ Output Data: KMS-0609 2 Prong Outlet: 3.0-24 Volt;
1.5-5.0 Current; 200 Ripple (millivolt); Outer Size 114x50x30(mm)
- ~ WARNING: INDOOR USE ONLY



WEATHERPROOF CONNECTOR FOR LED TAPE LIGHT

- Connectors come in the following lengths:
- ~ 6 Inch Connector
 - ~ 36 Inch Connector
 - ~ 10 Foot Connector





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CAUTIONS:

Exploitation conditions

1. In order to guarantee that the LED life and the use environment, cannot make any force when the product lighting use to pull the power cables, forbids to collide, in order to avoid damages LED.
2. For can better lighting effect of the product, each 5 meter long strip must connect the main power source.
3. Must guarantee that each power source (GND) must connect.
4. Should not be curving in the diameter 60mm following radian, please do not rebate, in order to avoid damage lamp bead or break.

Storage

1. The Flexible SMD Strip should be stored at stored at $0^{\circ} \sim +60^{\circ}$ or less and 40% ~ 70% RH or less after being shipped and the storage life limits are 3 months.
2. If the Flexible SMD Strip is stored more then 3 months, they can be stored for a year in a sealed container with a nitrogen atmosphere and moisture absorbent material.
3. Please avoid rapid transitions in ambient temperature, especially, in high humidity environments where condensation can occur.

Static Electricity

1. Static electricity or surge voltage damages the Flexible SMD Strip.
2. It is recommended that a wristband or an anti-electrostatic glove be used when handling the Flexible SMD Strip.
3. All devices, equipment and machinery must be properly grounded.
4. It is recommended that measures be taken against surge voltage to the equipment that mounts the Flexible SMD Strip.

Heat Generation

1. Thermal design of the end product was most importance. Please consider the heat generation of the Flexible SMD Strip when making the system design.
2. The thermal resistance of the circuit board and density of Flexible SMD Strip placement on the board, as well as other components was the important factor affecting the coefficient of temperature increase per input electric power.
3. It must be avoid intense heat generation and operate within the maximum ratings given in the specification.
4. The operating current should be decided after considering the ambient maximum temperature of Flexible SMD Strip.

Others

1. Care must be taken to ensure that the reverse voltage will not exceed the absolute maximum rating when using the Flexible SMD Strip with matrix drive.
2. The Flexible SMD Strip described in this brochure is intended to be used for ordinary electronic equipment (such as office equipment, communications equipment, measurement instruments and household appliances). Consult Dilux Lighting's sales staff in advance for information on the applications in which exceptional quality and reliability are required, particularly when the failure or malfunction of the Flexible SMD Strip may directly jeopardize life or health (such as for airplanes, aerospace, submersible repeaters, nuclear reactor control systems, automobiles, traffic control equipment, life support systems and safety devices).
3. User shall not reverse engineer by disassembling or analysis of the Flexible SMD Strip without having prior written consent from Dilux Lighting. When defective Flexible SMD Strip is found, the User shall inform Dilux Lighting directly before disassembling or analysis.

WARNING:

Please note the careful operation, in the power source connection's situation, will touch the alternating current supply end possibly to cause your safety.

In the actual application, the power source should retain 20% remainders, guaranteed that the sufficiency the voltage lightens LED.

Installs as far as possible the product in the appropriate environment.

Pays attention to the power cable in the installment process positive and negative extremely, please do not wrong, power source and product voltage to be whether correct, in order to avoid creates the product the damage.