

STRIP LIGHTS



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LED STRIP LIGHTS



- An **LED Strip Light** (also known as an **LED tape** or **ribbon light**) is a flexible circuit board populated by surface mounted **light**-emitting diodes (SMD LEDs) that usually comes with an adhesive backing.
- Traditionally, strip lights had been used solely in accent lighting, backlighting, task lighting, and decorative lighting applications.
- Variables in strip lighting consist of colour, adhesives, and water resistance.

LED STRIP LIGHT DESIGN

Common chip placement within the tape allows light to emit away from the surface to which the tape is adhered. Water resistant strip lighting is covered in a heat conducting epoxy to protect the circuitry from direct contact with water. The most common design differences are in how individual LEDs are controlled, specifically differences in color and whether or not each LED is addressable.

- Single Color, non-addressable: Every LED on the strand is a single white colour, typically ranging from 2700K to 6500K in color temperature, or any of several monochrome colors covering the range of the visible spectrum (generally from 400-700 nanometers in wavelength). A single chip address all of the LEDs in the strand at once so each setting is applied to every LED
- Multicolor, non addressable: LED's of different alternating fixed colors, usually red, green, blue and amber, on a single address.
- LED strip lights typically operate on 12 or 24 volts of direct current from a transformer (driver).
- RGB, non-addressable: Similar to the single color, non-addressable LED strand, RGB strands have multiple colours available but the entire strand uses the same address so all LEDs show the same colour.
- RGB, Addressable: Multiple colours and addresses. Each LED has its own chip meaning they can be individually triggered for chasing, strobing, and colour changing
- 'Side View' or 'Edge Emitter': chip placement is such that light is emitted parallel to the adhering surface (ie, 90deg difference to typical tape design). Allows light to wash surfaces within less space or accent edge profiles such as signage.
- LED strip lights typically operate on 12 or 24 volts of direct current from a transformer (driver).
- No separate power supply is needed, although there must be a rectifier between the mains supply and the end of the LED strip.



Strip Light Application

- Strip lights are designed for both indoor and outdoor use depending on whether they're water resistant.
- The strip is flexible and can be divided at any point between LEDs
- It is extremely versatile and can be used in a number of installations

- Outside of traditional lighting, strip lighting is extensively used in DIY projects or lighted clothing.



- The ability to power strip lights off of a USB device or battery pack makes them extremely portable.



- Examples include: Computer lighting, costume lights, toys, workspace lighting, monitor and display ambient lighting, and alcove lighting.

- Transparent or non-transparent material around the light.
- Widely used in car decoration, building lighting, interior decoration, the path and profile signs, commercial lighting, advertising, labeling, hotel decoration and decoration fields.

AVAILABLE MODELS



AQLSW01



AQLSW02



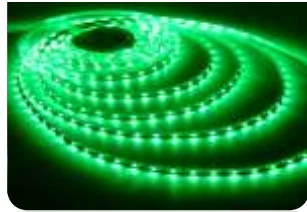
AQLSW03



AQLSW04



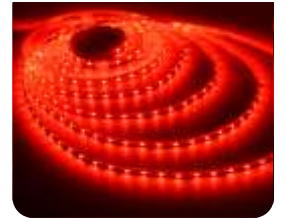
AQLSW05



AQLSW06



AQLSW07



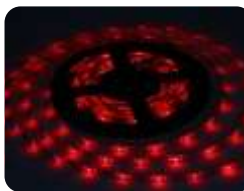
AQLSW08



AQLSW09



AQLSW10



AQLSW11



AQLSW12



AQLSW13



AQLSW0



AQLSW15



AQLSW16