

# LED TAPE LIGHT

Certification:  
UL US CE TUV RoHS COMPLIANT

## FLEXIBLE CIRCUIT BOARD

fitted with a surface mounted LEDs. (SMD = Surface mounted diodes).

There is a wide variety of LED configurations and LED chip sizes, to obtain the best lighting solution for the application. Through improved performance and a wide range of product options, the use of LED tape light is rapidly increasing in commercial, retail, residential and industrial applications.

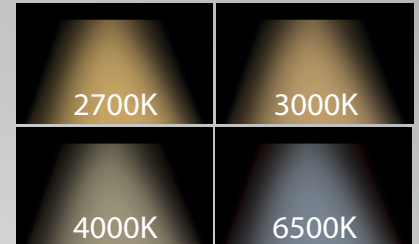
Popular products include the 2835 and 5050 ranges.

### 2835



- 60 LED/m // 12 Watts/m
- 120 LED/m // 15 Watts/m
- 120 LED/m Double Row // 21 Watts/m
- 120 LED/m Dual White // 18 Watts/m
- Warm white and pure white
- IP33 / IP55 / IP68

Colour Temperature  
LBY provides full CCT range  
from 2700K to 6500K

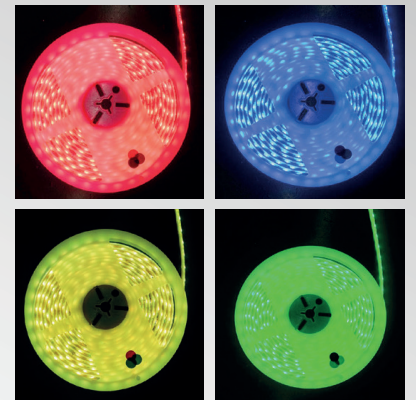


Available in:  
White, red, blue, yellow and green

### 5050



- 30 LED/m // 6 Watts/m
- 60 LED/m // 12 Watts/m
- 120 LED/m Double Row // 21 Watts/m // 24 Volt
- 60 LED/m Dual White // 15 Watts/m
- Warm white and pure white
- Static colours R/Y/G/B
- RGB and RGBW
- IP33 / IP55 / IP68



**LED Tape Light is available in a wide range of colours:**

**White** – the full spectrum of white light is available, from warm white (2700K) to pure white (6500K).

**Static colours** – Red, Yellow, Green and Blue.

**RGB** – Colour mixing with RGB (Red / Green / Blue) LED chips, adjustable using a remote controller. Also available in RGBW which incorporates white light into the LED chip as well.

**Dual Colour White** – Offers the full spectrum range of white light, from warm white to pure white, adjustable using a remote controller.

**LED tape is available with different IP (Ingress Protection) ratings:**

- IP33 – Indoor use
- IP55 – Humid air (non-corrosive environments)
- IP65 – In rain
- IP68 – In water

#### IP33

Non waterproof



Indoor

#### IP55

Glue coating



In humid air

#### IP65

Silicon sleeve



In rain

#### IP68

Silicon



In water

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signs never been so easy

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## BRIGHTNESS

Choose the right LED Tape option for the application. Brightness is measured in Lumens, and can either be stated as Lumens per LED or Lumens per meter.

**There are several variables that affect the brightness:**

### LED Chip Size

Popular options include 2835, 5050 and 6060. The numbers represent the chip size in millimeters i.e. the 2835 chip measures 2.8mm x 3.5mm.

### LED Pitch

How close the LEDs are placed together. Options range from 30 / 60 / 120 LEDs per meter for standard ranges. Super bright options range from 180 / 240 LEDs per meter. Options with double row LEDs are also available.

### Voltage

LED tape light is available in both 12 Volt and 24 Volt.

### Dimmable

LED tape light is fully dimmable to ensure you can reach the optimum lighting level.

## VERSATILITY

LED tape has a very flat profile between 6mm and 12mm wide, allowing it to be installed into tight spaces and hidden out of view. It is backed with 3M adhesive tape for easy installation. Bendable Tape Light is also available, which allows for bending and fitting around tight radius curves and into corners.

30LED/m



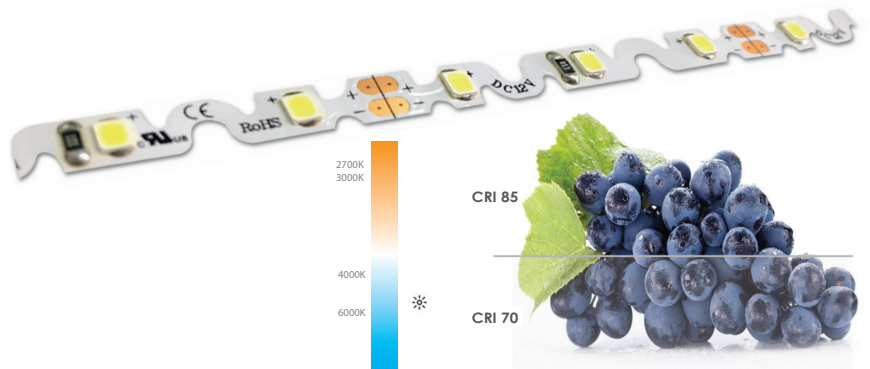
120LED/m



Double Row



Dimmer



## QUALITY

Not all LED Tape Light is manufactured equally. The most important quality aspects cannot always be seen by the eye.

**These aspects include:**

Heat dissipation – heat management is the most important aspect when it comes to the longevity of the LEDs.

Materials used – the thickness and quality of wires, soldering, PCB and resistors, as well as the quality of the actual LED chip.

CCT colour consistency – sorting and binning of chips to ensure accuracy and consistency of colours and colour temperature.

(CCT = Correlated Colour Temperature, and is measured in degrees Kelvin (K)).

CRI – the colour rendering index (CRI) is the ability of a light source to render natural lifelike colours as they would appear under natural sunlight. The higher the CRI value the more realistic the colour rendering will be.

Certification – all of our products are CE, UL and RoHS certified.

## ALUMINIUM LIGHTING EXTRUSIONS

LBY Africa offers a full range of purpose made aluminium lighting extrusions available for LED Tape Light. Aluminium extrusions are available in smaller profiles for Linear Outlining and accent lighting (either surface or recess mounted) and larger profiles for Linear Lighting and decorative lighting applications (either suspended or surface mounted).

**The possibilities are endless.**

