PRODUCT DATA SHEET

Bright Single Color Series

SMD2835 600LEDs LED Strip

3 Years Warranty

CE RoHS FC ETL Intertek

Description

Bright Single Color Series LED Strip Lights are created with high lumen LED chips mounted on a flexible printed circuit board with a strong 3M adhesive backing. Sometimes referred to as "LED tape lights", the flexible design of LED strips allows for the addition of beautiful white, warm white, red, green, blue light in almost any space you can imagine. The bright single color LED strips are a great way to provide professional grade, bright and comfortable accent lighting that will last for many years.

Product Features

- High quality components and premium packaged 2835 LEDs
- Thick double layer 2oz copper pcb for excellent thermal management
- Single BIN LED selection to ensure color consistency (3-Step MacAdam)
- 3M 300LSE adhesive tape at the backing for long lasting bond
- Operating Temperature -4°F to +104°F (-20°C to 40°C)
- Maximum Length in Series 32ft 10in (10 Meters)

- Fully dimmable
- 120° beam angle
- High CRI 80+, optional CRI 90+
- 12V or 24V input voltage options
- 120LEDs/m on 4mm width pcb
- 2700K 3000K 4000K 6500K Optional

Product Specification

Model No.	Color	Power	CRI	Lumen/meter	Luminous efficiency	Warranty
SL-2835-120PW4	6000K	8W/m	80+	800LM/m	100LM/W	3 Years
SL-2835-120NW4	4000K	8W/m	80+	780LM/m	98LM/W	3 Years
SL-2835-120WW4	3000K	8W/m	80+	750LM/m	95LM/W	3 Years
SL-2835-120R4	Red	8W/m	NA	200LM/m	25LM/W	3 Years
SL-2835-120G4	Green	8W/m	NA	360LM/m	45M/W	3 Years
SL-2835-120B4	Blue	8W/m	NA	140LM/m	18LM/W	3 Years

*CCT may be +/-100K but always ordered from same bin and will present no noticeable differences perceived by the human eye.
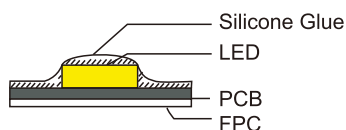
Product Dimension
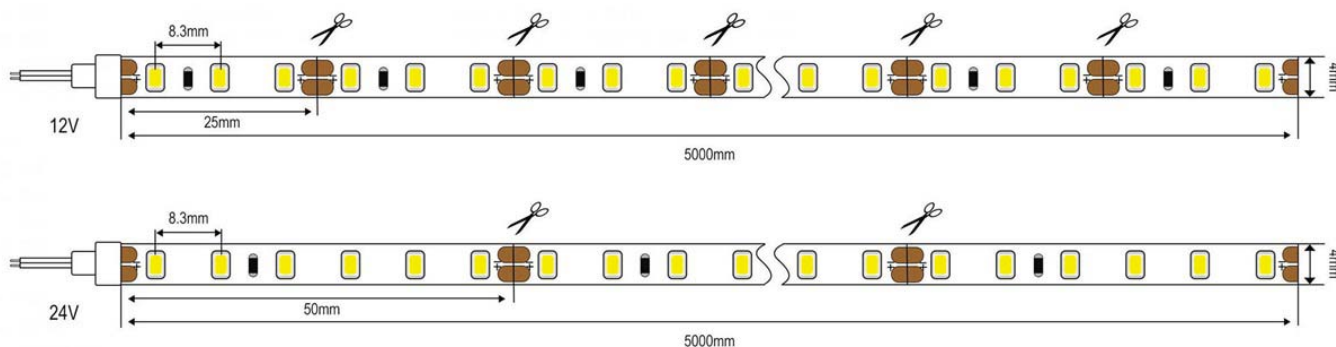
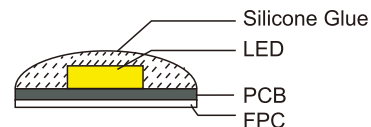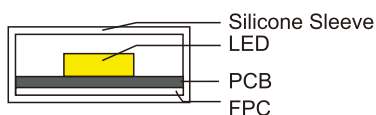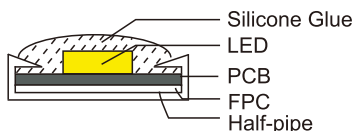# IP Rating Options
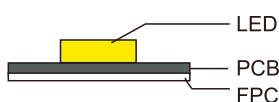
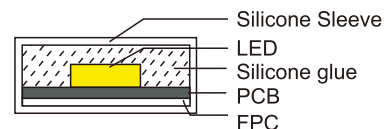
IP 20 Non-waterproof

IP 65 Spray Silicone Coating

IP 65 Gel Coating

IP 66 Silicone Tube

IP 67 Half Tube+Glue Coating

IP 68 Glue Filling

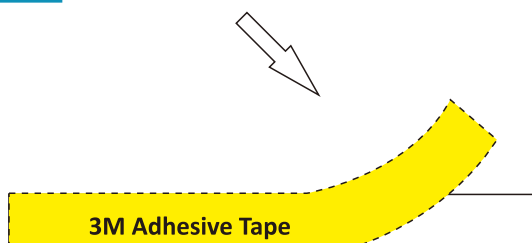| Waterproof Material	Size	Mode of Fixation	Accessories	IP Rate
Non-Waterproof	W4*H1.2mm	3M adhesive tape	/	IP20
Silicone Coating	W4*H1.4mm	3M adhesive tape	/	IP65
Spray Silicone	W4*H1.6mm	3M adhesive tape	/	IP65
Silicone Tube	W4*H4mm	Clips+Screw	End cap+Clips+Screw	IP66
Half Tube+Glue Coating	W4*H4mm	Clips+Screw	End cap+Clips+Screw	IP67
Silicone Tube+ Silicone Gel	W4*H4mm	Clips+Screw	End cap+Clips+Screw	IP68

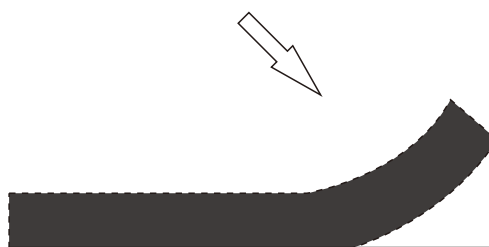# Product Connection

1) Non-dimmable connection

2) Dimmable connection

Power supply

LED Controller

LED Amplifier

LED Amplifier
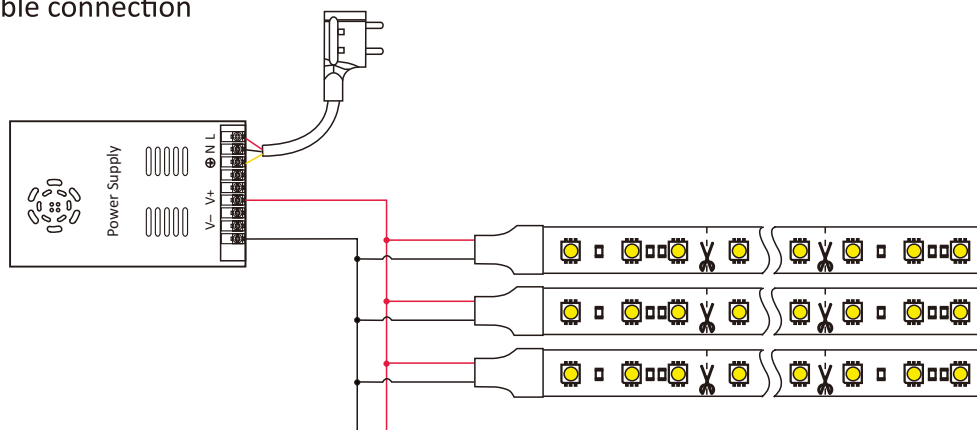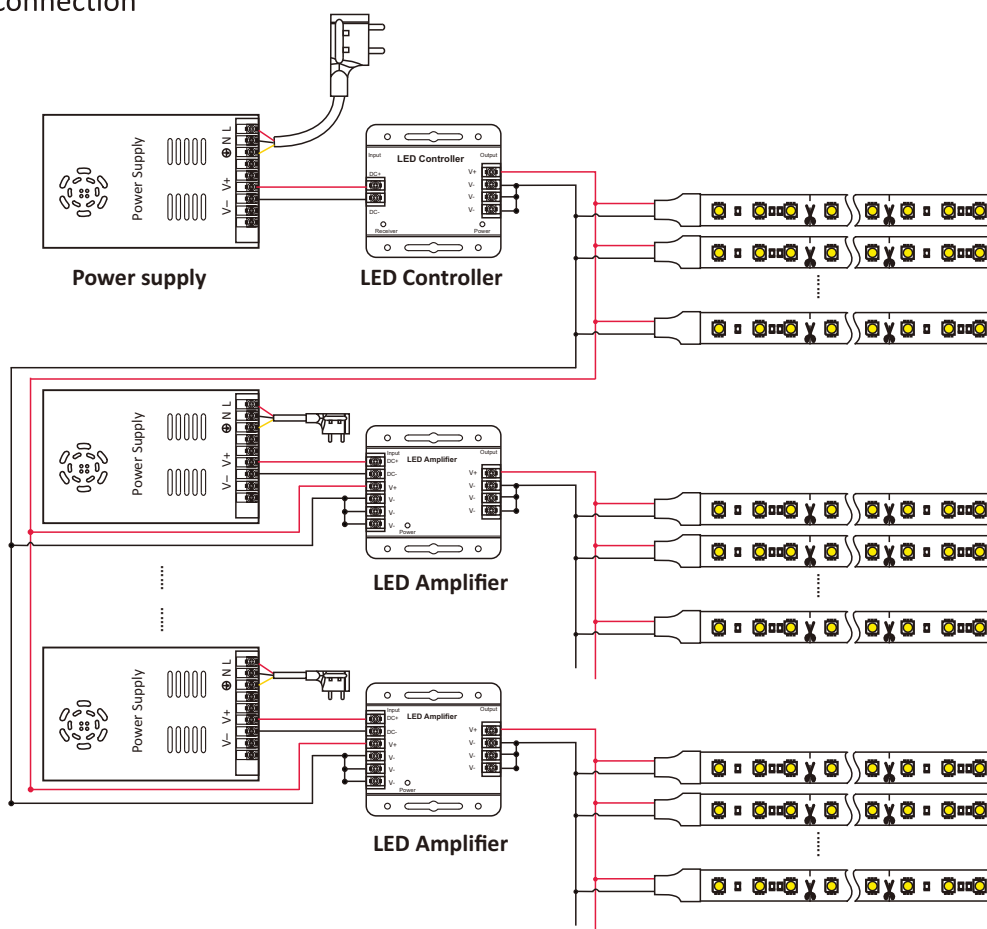
Product Installation

Peel off 3M tape

3M Adhesive Tape

Stick the 3M Tape

LED Strip Light
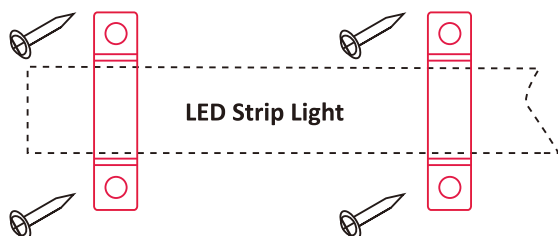
Install with Clips

LED Strip Light

Fix with Screw

Product Package
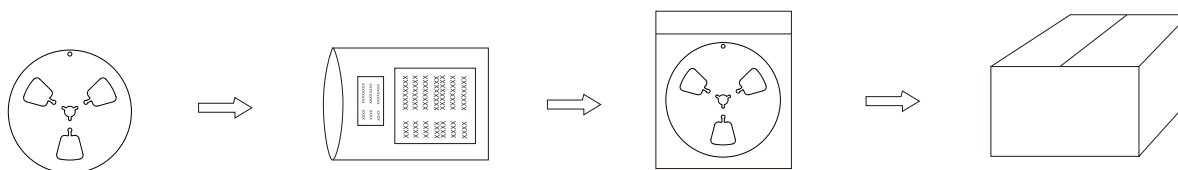
IP Rating	Length	Quantity/Carton	Carton Size	Carton Weight
IP20	5m/Roll	100Rolls	360*360*380mm	9.5KG/CTN
IP65	5m/Roll	100Rolls	360*360*380mm	17KG/CTN
IP66	5m/Roll	50Rolls	680*280*280mm	14KG/CTN
IP68	5m/Roll	40Rolls	680*280*280mm	17KG/CTN

Product Accessories

Connector
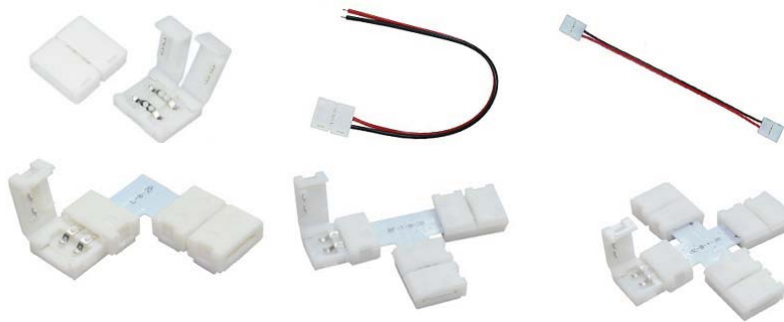
Power Supply

Alumnum Prolie

1707	2507	1715	2515	1919C	1616	1616B	2310	2810
1707D	2507D	1715B	2515B	1919D	2016	2016B	2114B	2114
1506	1506B	2206	2206B	1612	1612B	2212	2212B	1919
1919E	3535D	3535E	5035	5035B				
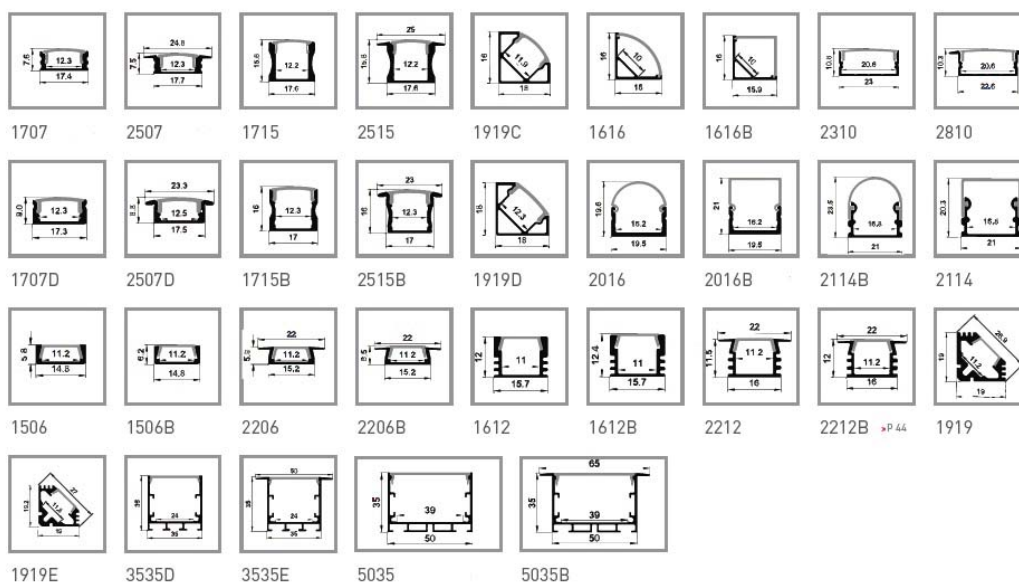
Product Notes

- Please choose the product with proper IP ratings according to different environments;
- Don't damage the circuit board line during the installation process;
- Choose the matched power supply and ensure proper margin for wattage;
- Turn off the power during the installation process and make sure wiring is correct before power on;
- Don't stare at the light for a long time as it many case injury to your eyes;
- The work like dismantlement and maintenance can only be done by professionals;

Malfunction & Solution

Symptom	Possible Causes	Solutions
Non LED works	1. No primary power for the power supply	Possible Causes
	2. The power supply is connected to primary power reversely	Connect the wires correctly
	3. No output voltage from the power suppl	Remove the malfunctions of the power supply or replace the power supply
	4. Overvoltage damages the LEDs	The working voltage should be within ±5% of rated voltage. Overvoltage may damage the product. If the product is damaged, please replace the product
Some LEDs don't work	1. These products are not connected to power supply	Check the power supply and connect the wires correctly
	2. These products are reversely connected to the power supply	
	3. Some LEDs are damaged.	Replace LEDs.
Brightness of the LED is dim or not even	1. The power load exceeds the rated power of the power supply	Use the power supply with higher power or adopt the double-ended power up mode
	2. The wire loss of power supply is too much	1. Use thicker supply wires or more supply wires
		2. Adjust the position of power supply; make sure the input voltage of each LED strip within the 90%-110% of the rated voltage
	3. Too much LED strips are connected	Adjust LED strip length for eachh chain to meet the maximum connectable length with single-ended power mode. The length is no longer than 5 meters
All LEDs are blinking	Intermittent connections occur at the power supply	Find the intermittent connections and remove any malfunctions
Some LEDs are blinking	Intermittent connections occur in the branch	Find the intermittent connections and remove any malfunctions