

Model: RL-STR-2835-144/192 -24V 10mm

PRODUCT SPECIFICATION



Key Feature

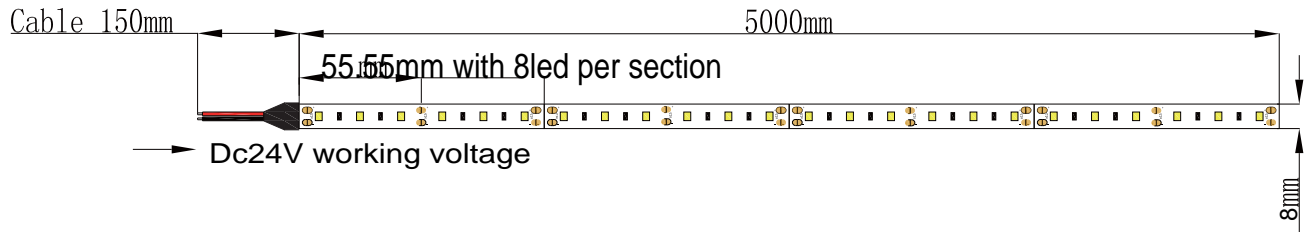
- ◆ LM-80 approved LED
- ◆ High Efficiency
- ◆ 50,000 hours Lifetime, 5 years warranty
- ◆ Multiple Color Option : 1800K ~ 6500K
- ◆ Only one Bin, SDCM<3, or SDCM<2 available
- ◆ CRI Option: Ra>95+, Rf>95 and Rg=100 all available
- ◆ 2OZ Pure copper PCB board

1800 K	2100 K	2300 K	2500 K	2700 K	3000 K
3500 K	4000 K	5000 K	6000 K	6500 K	

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Drawing:



Notice:

Safety Input Voltage: DC 24V

Size of each section is 55.55mm, and cutting at "scissors symbol" place.

LED Strip length's length tolerance is $\pm 0.2\%$ mm, width tolerance is ± 0.2 mm.

Optical

LED type:	SMD2835
Color rendering index:	Ra>90
CCT Range:	1800K, 2100K, 2300K, 2500K, 2700K, 3000K, 3500K, 4000K, 5000K, 6000K.
Irritation angle:	120°
Light Efficiency:	135 Lm/w (4000K)
Lumen output/meter:	1224lm/m

Electric

Input current/m:	0.4A/m
Input Voltage:	DC24V
Voltage Power/m:	9.6 W/m
Static Electricity:	1000V(ESD)
LEDs/meter:	144LEDs/m
Size of section:	25 mm
LEDs of section:	8LED with 24V

Others

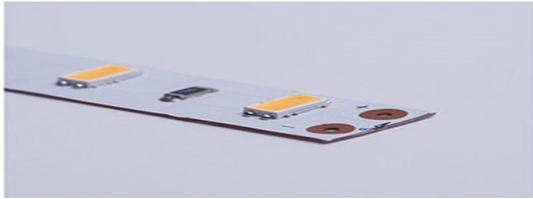
Energy grade:	A+
Warranty:	3 years
Working hour:	50,000hrs lifetime for Tc<70°C
Working temperature:	-20°C ~ +45°C
Working humidity:	40%-70%RH
Measurement:	L5000*W10 mm
Waterproof Rate:	IP20

Descriptions:

- ◆ LED Strip can be used in many kinds of places as decorative lighting/backlight/, such as Ceiling trough, Staircase, Hall walkway, Billboard, Advertising sign, Bridge, Shopwindow, Cabinet etc. ;
- ◆ LED Project Strip can be 20m/roll, or 30m/roll. 100% of the lamps will be tested and keep lighting for 24h testing its quality reliability, and we also test it temperature after 24 hours's lighting;
- ◆ We can provide with different Custom products, such as printing Customer LOGO on FPC, Custom Aluminum Foil Bag Custom carton box/connector/DC cable/, Customs FPC design/color/width etc.

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Waterproof Rate :



IP20 Non-waterproof
 (Indoor use only)



IP67 Silicon Tube Waterproof
 (Anti dust and Mositure resistant)



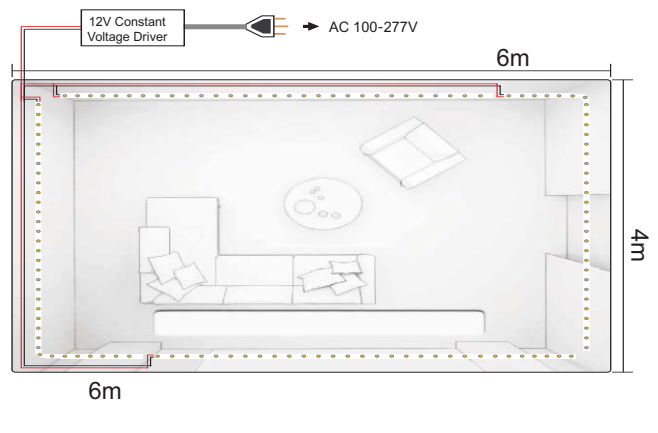
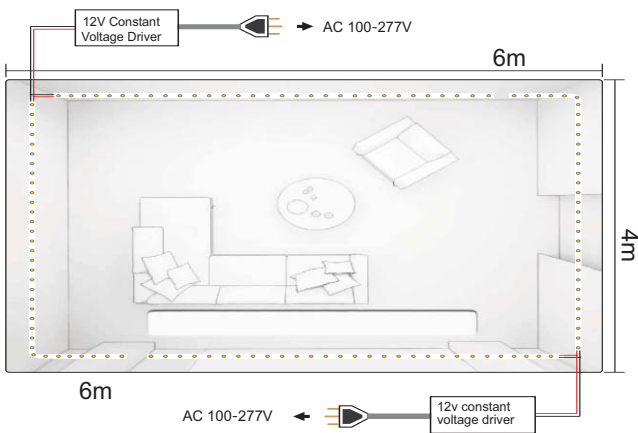
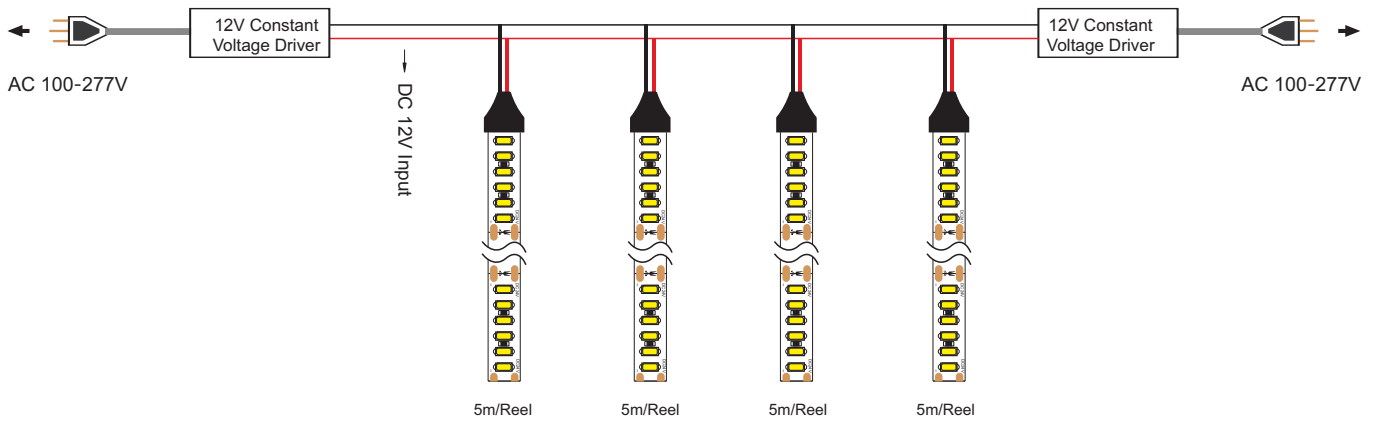
IP65 dripping glue waterproof
 (Ideal both for indoor and out door use)



IP68 Silicon glue plus silicon tube full waterproof
 (Outdoor use only)

Wiring diagram application :

◆ Single end power input for 5 meters



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3M Adhesive Tape



3M 200 LSE Type
(Economy Type)



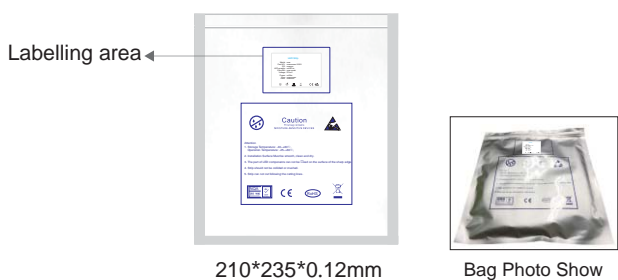
3M 300 LSE Type
(Mid-quality Type)



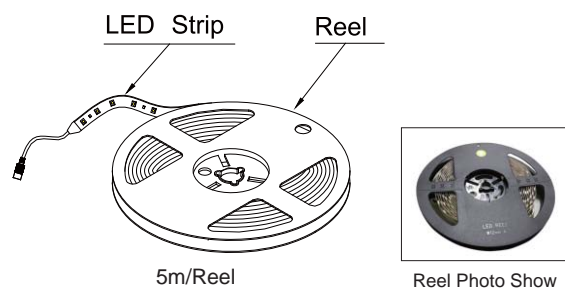
3M VHB RED
(High-quality Type)

Packaging

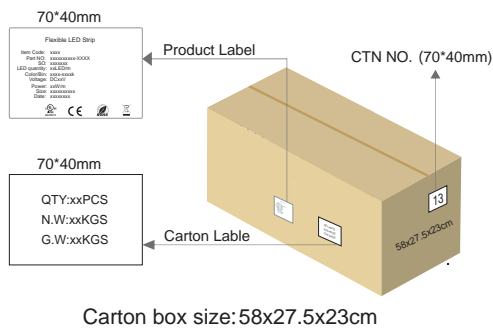
Aluminium foil bag



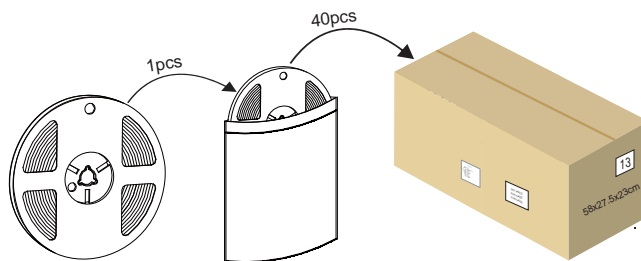
Plastic reel



Carton box



Packing Number



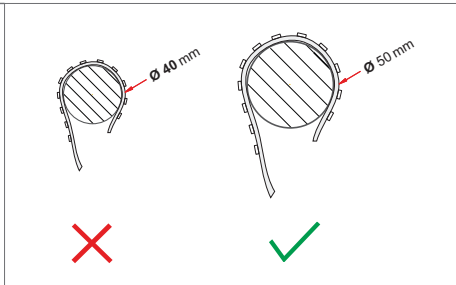
Strip Code :

Item code	Number of LED (m)	Voltage (DC)	Power (W/m)	CCT (K)	CRI (Ra)	Lumens Output (Lm/m)	IP Grade
RL-STR-2835-60-12V-2700K	60LEDs	12V	4.8W	2700K	80+	451Lm	IP20
RL-STR-2835-60-12V-3000K	60LEDs	12V	4.8W	3000K	80+	465Lm	IP20
RL-STR-2835-60-12V-4000K	60LEDs	12V	4.8W	4000K	80+	480Lm	IP20
RL-STR-2835-60-12V-5000K	60LEDs	12V	4.8W	5000K	80+	489Lm	IP20
RL-STR-2835-60-12V-6000K	60LEDs	12V	4.8W	6000K	80+	504Lm	IP20

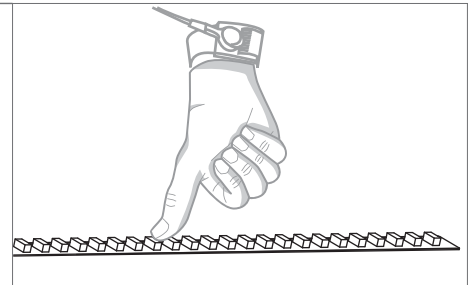
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Cautions:

≤50 mm diameter of wrapped object prohibited



Touching LED, pls wear the electrostatic ring for avoiding ESD



Safety Information

Application notes for led flexiabile strip

In order to drive LED flexible strip lights safely, it is absolutely necessary to operate them with an electronically stabilised power supply protecting against short circuits, overload and overheating.

To also ease the luminaire/installation approval, electronic control gear, power supply and all electronic accessories for LED or LED modules should carry "CE, or UL" mark and meet the latest safety standard.

- Please use isolated power supply to drive the led strip, and the constant voltage source ripple less than 5%. Can't step-down the power by resistance-capacitance and non-isolated power supply driver led strip, etc.
- To ensure the longevity and reliability of the strips, please do not bend the arc diameter 60mm or less, do not fold to avoid damaging the lamp beads or broken.
- To ensure the life and environment of lights, in the use of force can not pull the power cord to avoid damage to prohibit collision LED lights.
- During the installation of positive and negative attention to the power cord, do not pick the wrong voltage power supply and the product are the same, so as to avoid damage to the product.
- LED lights should be stored in dry sealed environment, the proposed storage period should not be too long before using unpacking, the working temperature: -20 ~ + 45 , Storage temperature: -0 ~ + 60 , not waterproof lights band indoor use, relative humidity not higher than 70%.
- In practical applications, the power supply should leave 20% margin (recommend using only 80% of the power) in order to ensure a sufficient amount of voltage drive products
- Do not use any acidic, alkaline adhesive securement products (including not limited to glass, plastic, etc.)