

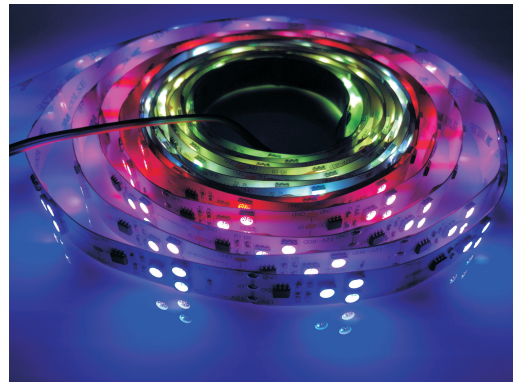
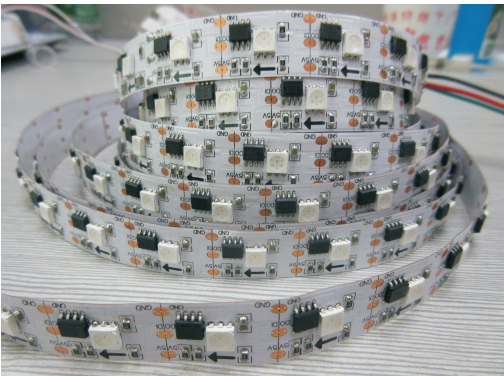
## Product Specification

Product Name WS2811 LED STRIP

Product Number LC-2811XX-X



### Product Image



### Product Features

1. WS2811 is single signal IC, one data cable DAT, two power lines, 256 gray scale, high brightness, fast data transfer, fast screen refresh.
2. Each lamp bead forms a loop, can be arbitrarily cut according to the needs of the length of the loop, without damaging other parts.
3. Easy and convenient to fix and install

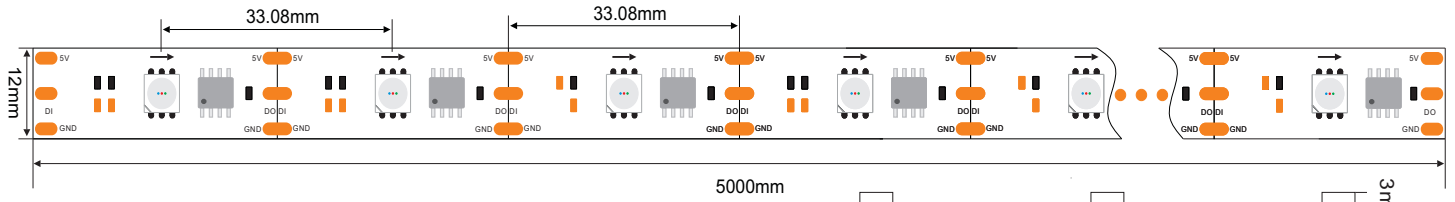
### Product Warranty

Warranty is 2 Years

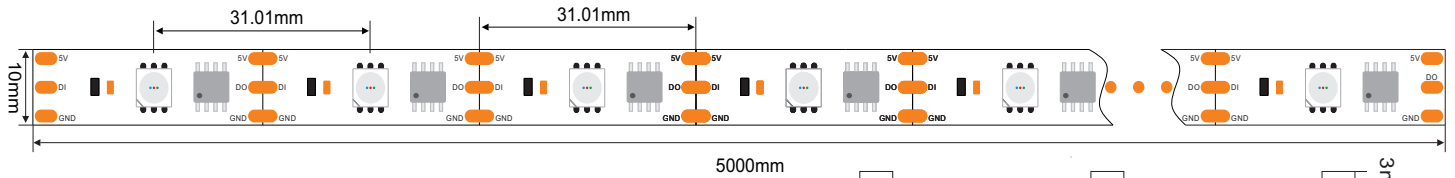
### Applications



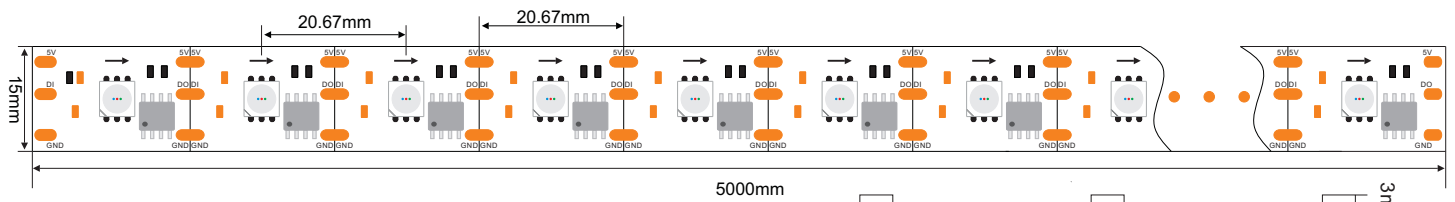
# LED Strip dimension



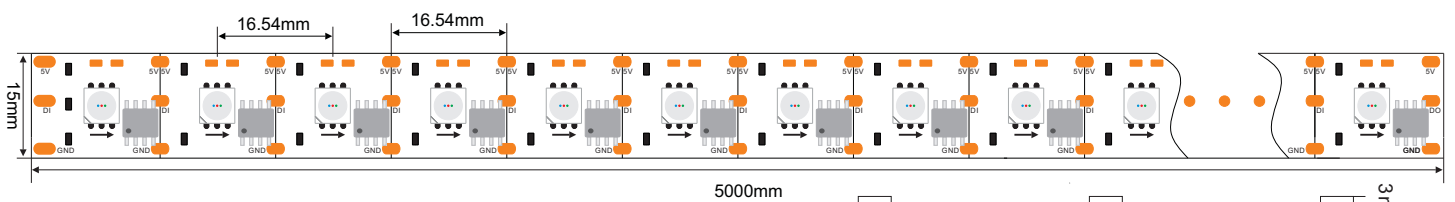
Dimension of DC5V 30led/m WS2811 LED Strip



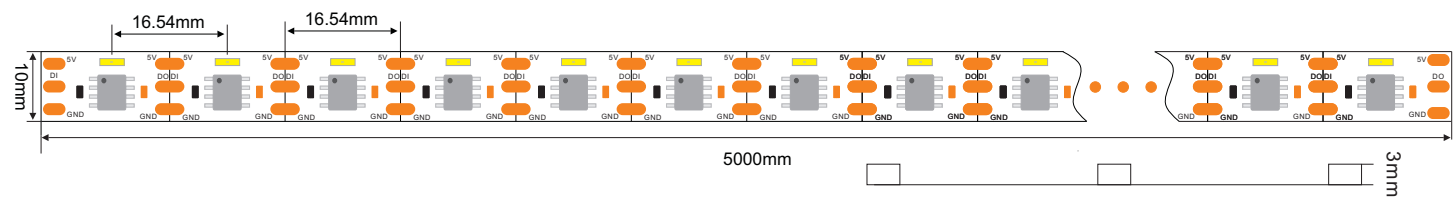
Dimension of DC5V 32led/m WS2811 LED Strip



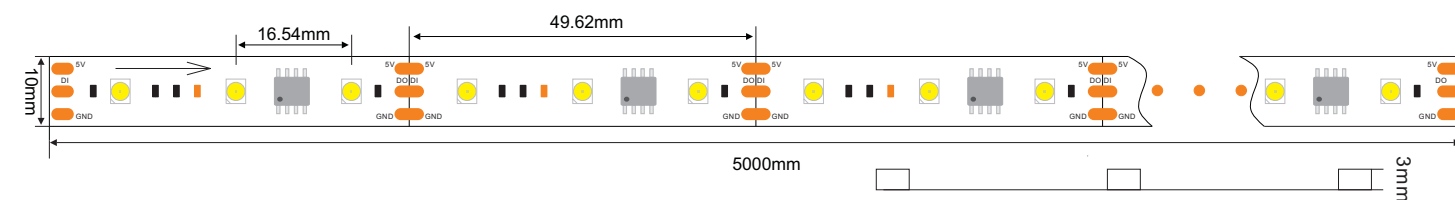
Dimension of DC5V 48led/m WS2811 LED Strip



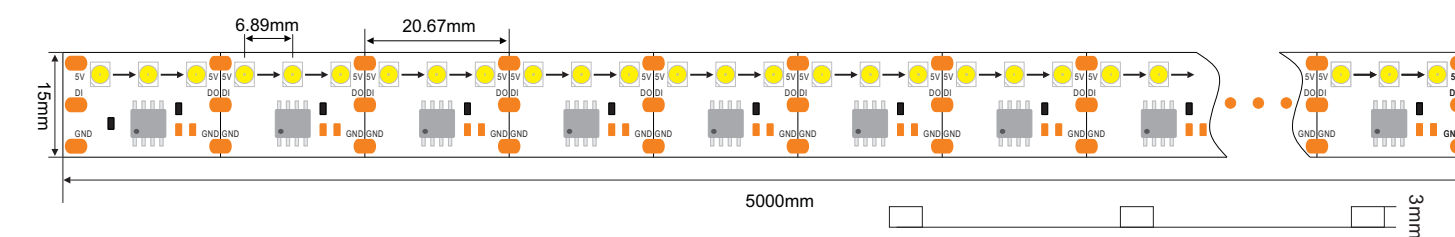
Dimension of DC5V 60led/m WS2811 LED Strip



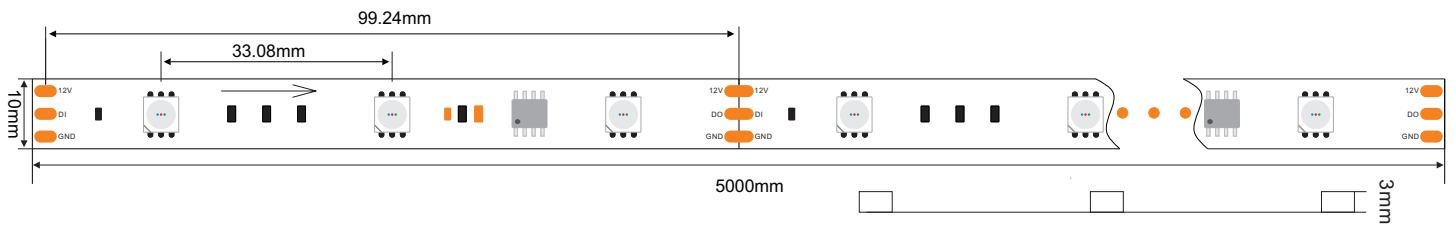
Dimension of DC5V 60led/m WS2811 335 Digital Side Emitting LED Strip



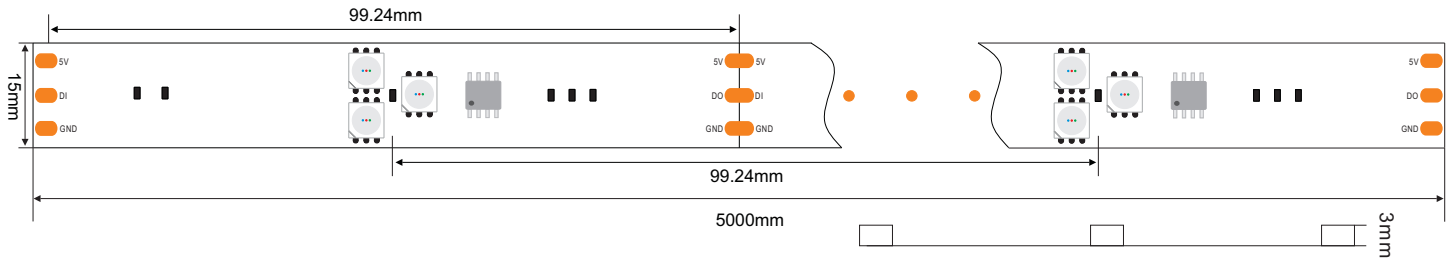
Dimension of DC5V 60led/m WS2811 3528 Digital Single Color LED Strip



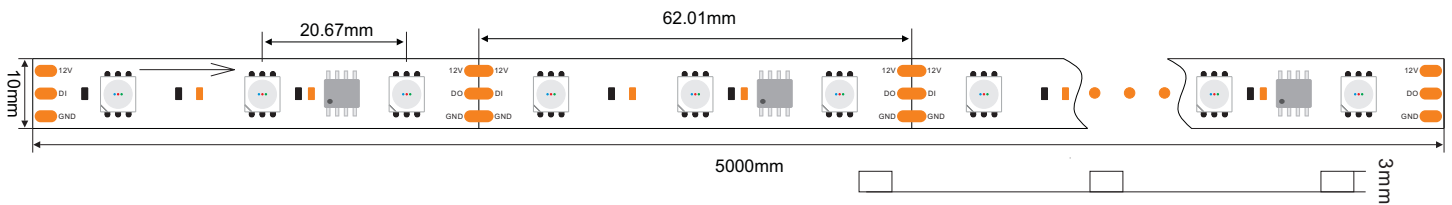
Dimension of DC5V 144led/m WS2811 3528 Digital Single Color LED Strip



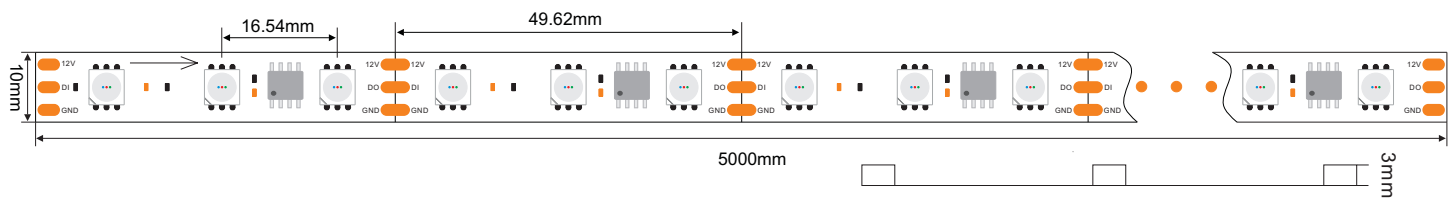
Dimension of DC12V 30led/m WS2811 LED Strip



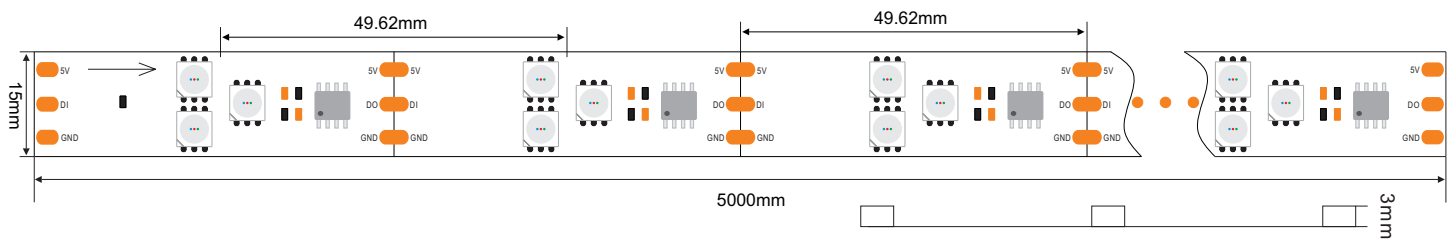
Dimension of DC5V 30led/m WS2811 Triangle LED Strip



Dimension of DC12V 48led/m WS2811 LED Strip



Dimension of DC12V 60led/m WS2811 LED Strip



Dimension of DC12V 60led/m WS2811 Triangle LED Strip

# Specifications

## 1 meter led strip Specifications

Specifications	Voltage	Power	Angle	IP Rating	Color	Color Temperature		Ra		Lumen			Life
						Min	Max	Min	Max	Min	Average	Max	
LC-2811X30-5V	5V	9W	120	IP20, IP67 IP65、IP68		2800K	10000K	Ra>70	Ra>90	R:36LM G:90LM B:30LM W:510LM WW:510LM	R:45LM G:120LM B:45LM W:540LM WW:540LM	R:54LM G:150LM B:48LM W:600LM WW:600LM	50000H
LC-2811X32-5V	5V	10W	120	IP20, IP67 IP65、IP68		2800K	10000K	Ra>70	Ra>90	R:39LM G:96LM B:32LM W:544LM WW:544LM	R:48LM G:128LM B:48LM W:576LM WW:576LM	R:58LM G:160LM B:51LM W:640LM WW:640LM	50000H
LC-2811X48-5V	5V	14.4W	120	IP20, IP67 IP65、IP68		2800K	10000K	Ra>70	Ra>90	R:58LM G:144LM B:48LM W:816LM WW:816LM	R:72LM G:192LM B:72LM W:864LM WW:864LM	R:86LM G:240LM B:76LM W:960LM WW:960LM	50000H
LC-2811X60-5V	5V	18W	120	IP20, IP67 IP65、IP68		2800K	10000K	Ra>70	Ra>90	R:72LM G:180LM B:60LM W:1020LM WW:1020LM	R:90LM G:240LM B:90LM W:1080LM WW:1080LM	R:108LM G:240LM B:76LM W:1200LM WW:1200LM	50000H
LC-335X60-5V	5V	6W	120	IP20, IP67 IP65、IP68		2800K	10000K	Ra>70	Ra>90	R:72LM G:180LM B:60LM W:360LM WW:360LM	R:90LM G:240LM B:90LM W:420LM WW:420LM	R:108LM G:240LM B:76LM W:480LM WW:480LM	50000H
LC-3528X60-5V	5V	6W	120	IP20, IP67 IP65、IP68		2800K	10000K	Ra>70	Ra>90	R:72LM G:180LM B:60LM W:300LM WW:300LM	R:90LM G:240LM B:90LM W:360LM WW:360LM	R:108LM G:240LM B:76LM W:420LM WW:420LM	50000H
LC-3528X144-5V	5V	14.4W	120	IP20, IP67 IP65、IP68		2800K	10000K	Ra>70	Ra>90	R:172LM G:432LM B:144LM W:720LM WW:720LM	R:216LM G:576LM B:216LM W:864LM WW:864LM	R:259LM G:720LM B:76LM W:1008LM WW:1008LM	50000H
LC-2811X30-12V	12V	8W	120	IP20, IP67 IP65、IP68		2800K	10000K	Ra>70	Ra>90	R:36LM G:90LM B:30LM W:510LM WW:510LM	R:45LM G:120LM B:45LM W:540LM WW:540LM	R:54LM G:150LM B:48LM W:600LM WW:600LM	50000H
LC-2811X30P-12V	12V	8W	120	IP20, IP67 IP65、IP68		2800K	10000K	Ra>70	Ra>90	R:36LM G:90LM B:30LM W:510LM WW:510LM	R:45LM G:120LM B:45LM W:540LM WW:540LM	R:54LM G:150LM B:48LM W:600LM WW:600LM	50000H
LC-2811X48-12V	12V	8W	120	IP20, IP67 IP65、IP68		2800K	10000K	Ra>70	Ra>90	R:58LM G:144LM B:48LM W:816LM WW:816LM	R:72LM G:192LM B:72LM W:864LM WW:864LM	R:86LM G:240LM B:76LM W:960LM WW:960LM	50000H
LC-2811X60-12V	12V	14.4W	120	IP20, IP67 IP65、IP68		2800K	10000K	Ra>70	Ra>90	R:72LM G:180LM B:60LM W:1020LM WW:1020LM	R:90LM G:240LM B:90LM W:1080LM WW:1080LM	R:86LM G:240LM B:76LM W:1200LM WW:1200LM	50000H
LC-2811X60P-12V	12V	14.4W	120	IP20, IP67 IP65、IP68		2800K	10000K	Ra>70	Ra>90	R:72LM G:180LM B:60LM W:1020LM WW:1020LM	R:90LM G:240LM B:90LM W:1080LM WW:1080LM	R:86LM G:240LM B:76LM W:1200LM WW:1200LM	50000H

Note, the above optical parameters, models X represents optionally, color, water level, the index display. Etc. , please indicate clearly when ordering.

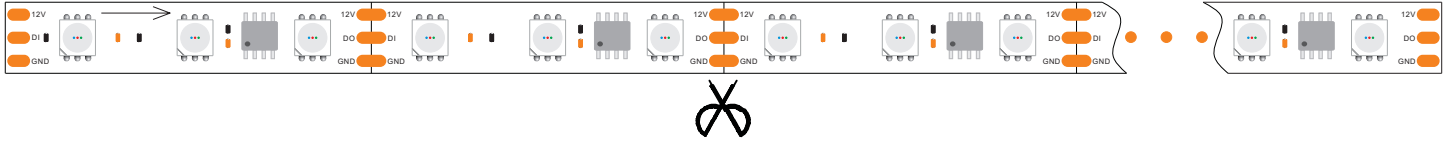
Light decay parameters, test the ambient temperature of 25 degrees, plus or minus 3 degrees

testing time	light fades rate
500H	0%
1000H	0%
2000H	0.5%
4000H	1.2%
6000H	2%

Note, due to the particularity LED product manufacturing process, technical parameters above reflect only the statistics , do not necessarily correspond to the actual parameters of each product, the product may differ from the actual parameters of the above parameters

# Strip cut schematic

Scissors to cut at the mouth

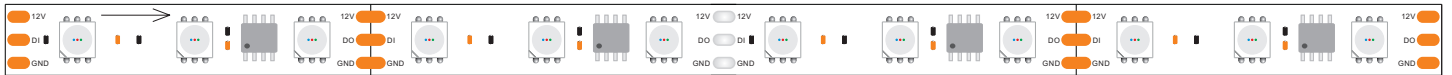


# LED STRIP wiring diagram

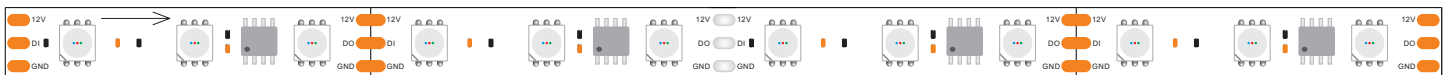
When using lights outdoors, be sure to do waterproof connectors, waterproof power to do well



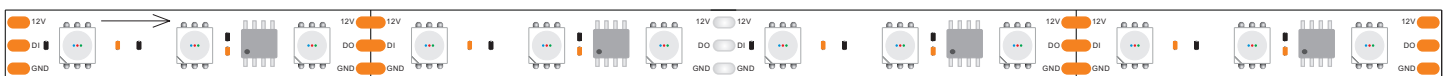
The heat shrink tubing set into the light band, and then the lights welding firm



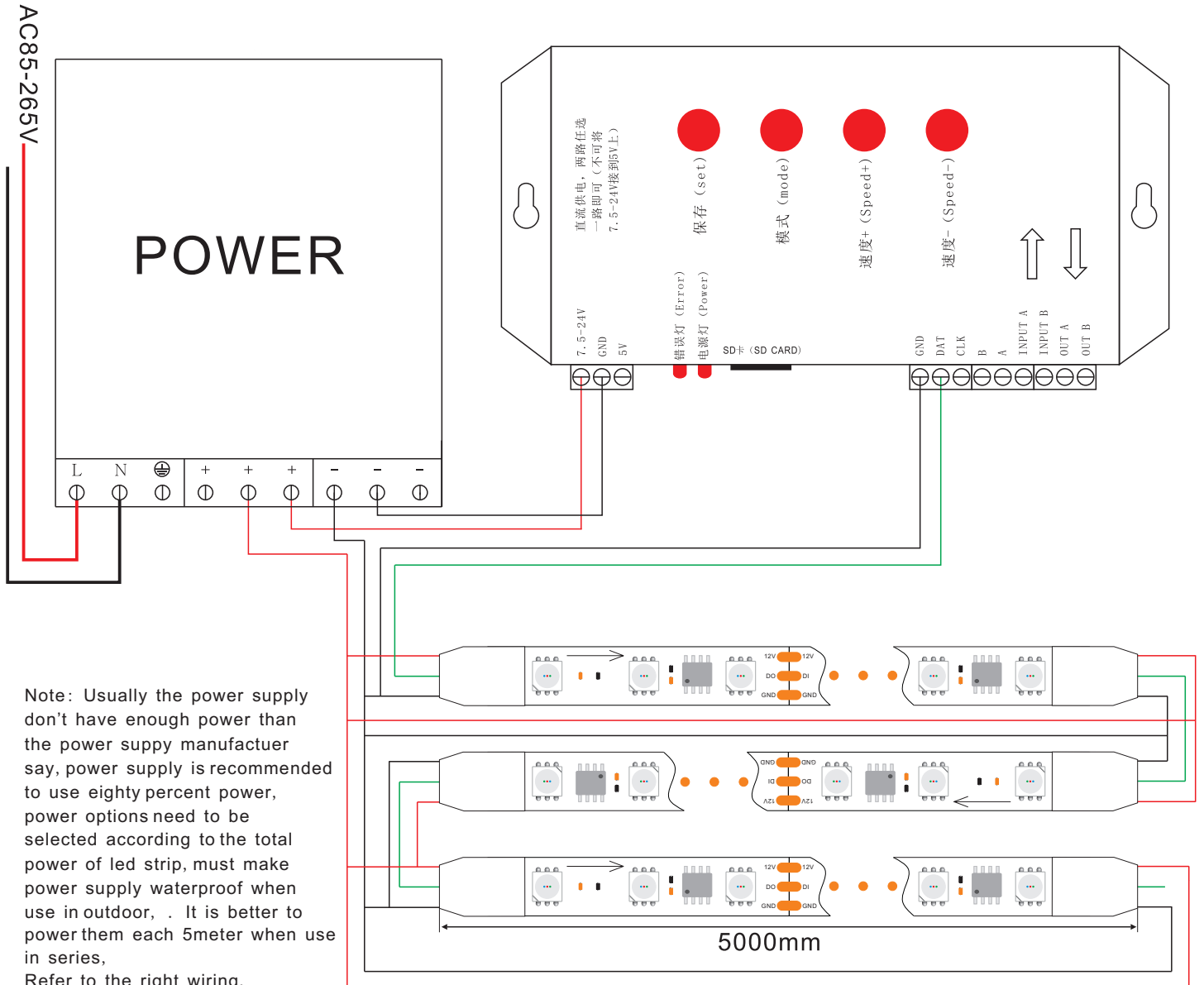
Two weld will shrink tubing to move the welding and weld completely wrap



After leaving a good heat shrink tubing, heat shrinkable tube aligned hairdryer to blow completely encased like a light bar



# Installation wiring diagram

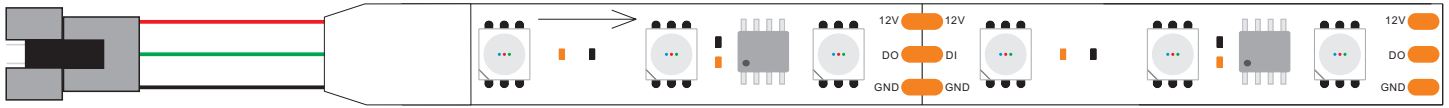


Note: Usually the power supply don't have enough power than the power supply manufacturer say, power supply is recommended to use eighty percent power, power options need to be selected according to the total power of led strip, must make power supply waterproof when use in outdoor, . It is better to power them each 5meter when use in series, Refer to the right wiring.

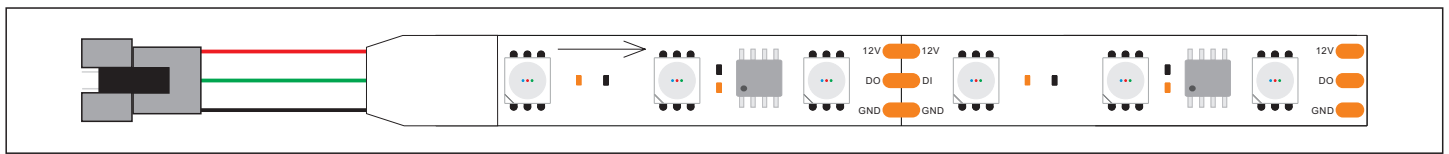
# IP20, IP65 the installation diagram



Clean surface debris, ensure the strip surface clean



Pull the 3m paper out of the back of led strip

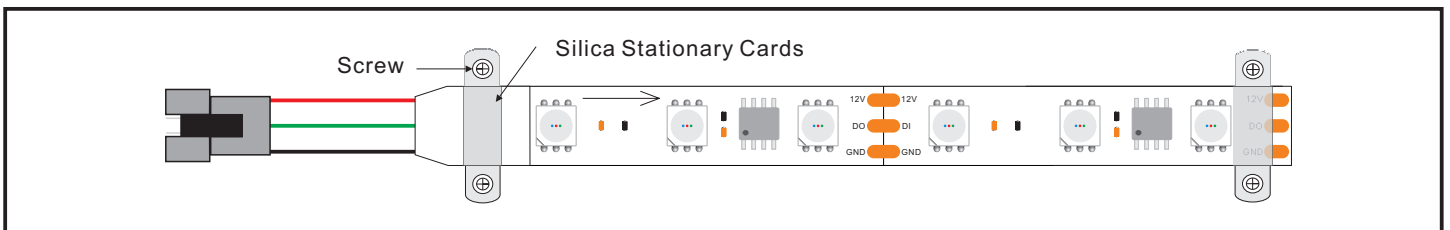


The lights straighten directly fixed to the mounting position

# IP67, IP68 the installation diagram



Clean surface debris , ensure the strip surface clean



## Notes

- Please read the specifications and precautions carefully before installation
- Please do not use nails or sharp instruments to install led strip on the object, use double-sided tape or glue or wall mounted on plywood
- Fixed led strip, you can not use acidic glue, it is recommended to use a neutral glue.
- This product is a constant voltage DC5V, make sure Power is right before installation, after installation, check the wiring is correct or not , so that avoid the product been burned
- This product is recommended use in parallel. when the length is more than five meters, the tail so be power to ensure the brightness is enough or uneven