

Product Specification

Product Name WS2813 LED STRIP

Product Number LC-2813XX-5V



RoHS

Product Image



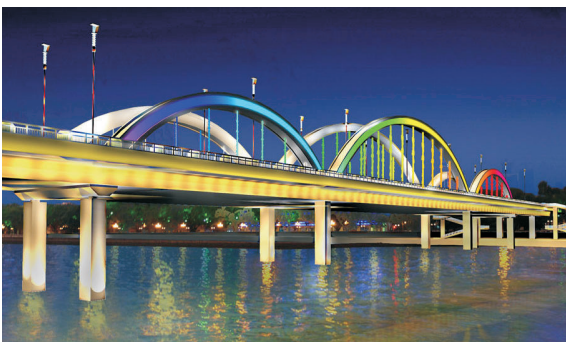
Product Features

1. LED Chip is built in IC, then the components is less , pixels can be high, can make attractive appearance and so on
2. IC is designed with double signal,two data line,two power lines ,256 gray scale,high brightness,fast data transfer, fast screen refresh
- 3 .When one of the pixel is broken,will not affect another led pixel working
4. Each lamp bead forms a loop,can be arbitrarily cut according to the needs of the length of the loop, without damaging other parts.

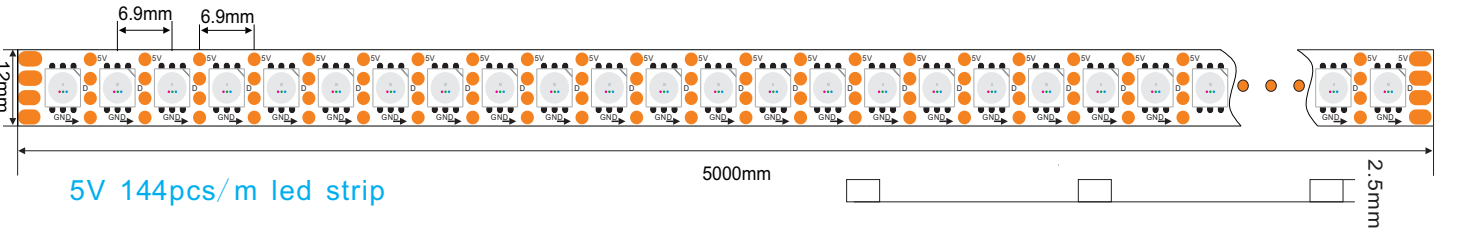
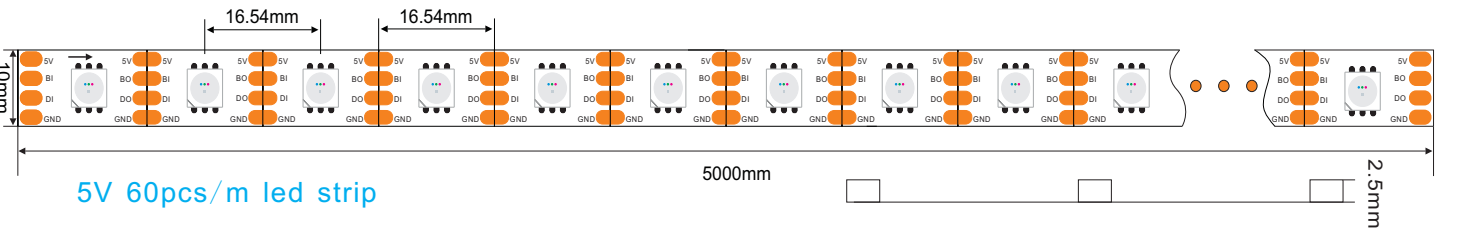
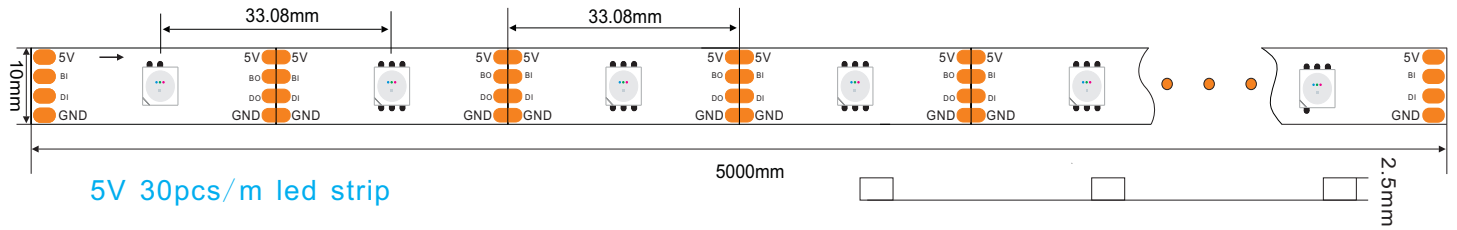
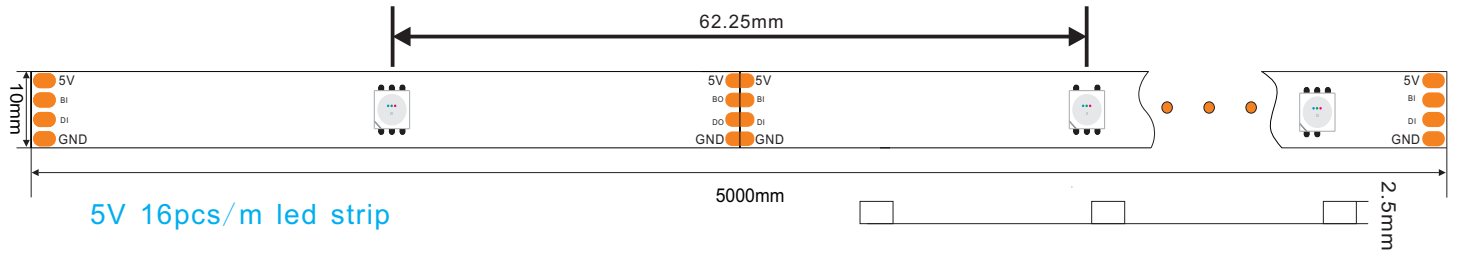
Product Warranty

Warranty is 2 Years

Applications







LED Strip dimension



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-2813X16X-5V	5V	4.8W	120	IP20, IP67 IP65、IP68		2800K	6500K	Ra>70	Ra>80	R:19.2LM G:48LM B:16LM W:256LM WW:256LM	R:24LM G:64LM B:24LM W:272LM WW:272LM	R:28.8LM G:80LM B:25.6LM W:288LM WW:288LM	50000H
LC-2813X30X-5V	5V	9.6W	120	IP20, IP67 IP65、IP68		2800K	6500K	Ra>70	Ra>80	R:36LM G:90LM B:30LM W:480LM WW:480LM	R:45LM G:120LM B:45LM W:510LM WW:510LM	R:54LM G:150LM B:48LM W:540LM WW:540LM	50000H
LC-2813X60X-5V	5V	18W	120	IP20, IP67 IP65、IP68		2800K	6500K	Ra>70	Ra>80	R:72LM G:180LM B:60LM W:960LM WW:960LM	R:90LM G:240LM B:90LM W:1020LM WW:1020LM	R:108LM G:300LM B:96LM W:1080LM WW:1080LM	50000H
LC-2813X144X-5V	5V	43.2W	120	IP20, IP67 IP65、IP68		2800K	6500K	Ra>70	Ra>80	R:172LM G:432LM B:144LM W:2304LM WW:2304LM	R:216LM G:576LM B:216LM W:2448LM WW:2448LM	R:259LM G:720LM B:230LM W:2592LM WW:2592LM	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%

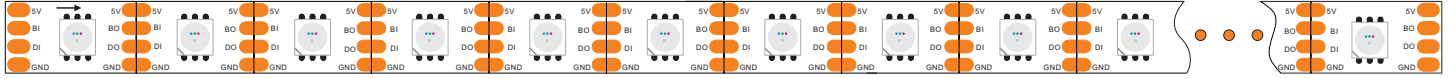
Note, due to the particularity LED product manufacturing process, technical parameters above reflect only the statistics , do not necessarily correspond to the actual parameters of each product, the product may differ from the actual parameters of the above parameters

Due to the use of the special requirements of the following products WS2813

- It is recommended to use, IP65, IP67, IP68 waterproof product on relatively heavy humid environment,
- The product is not recommended to use RGB mixing white for long time
- In special environments, before ordering the product , need to consult our sales representatives or product engineers

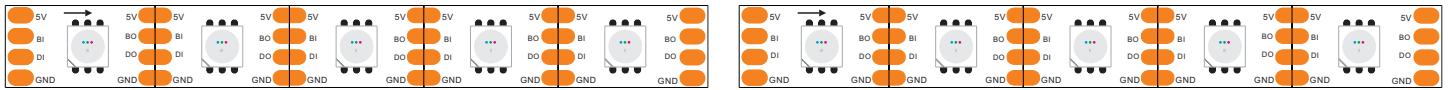
Strip cut schematic

Scissors to cut at the mouth

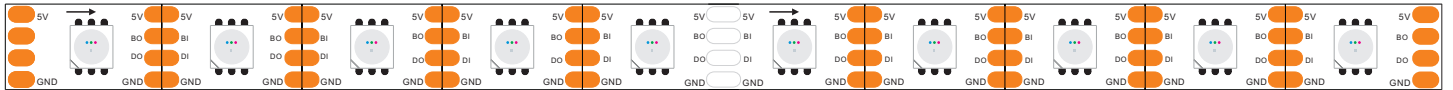


LED STRIP wiring diagram

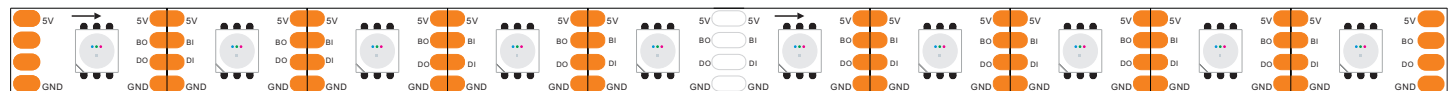
When using lights outdoors, be sure to do waterproof connectors, waterproof power to do well



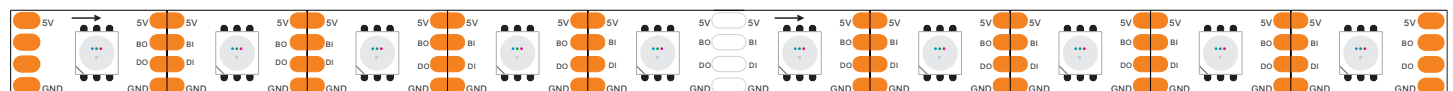
The heat shrink tubing set into the light band, and then the lights welding firm



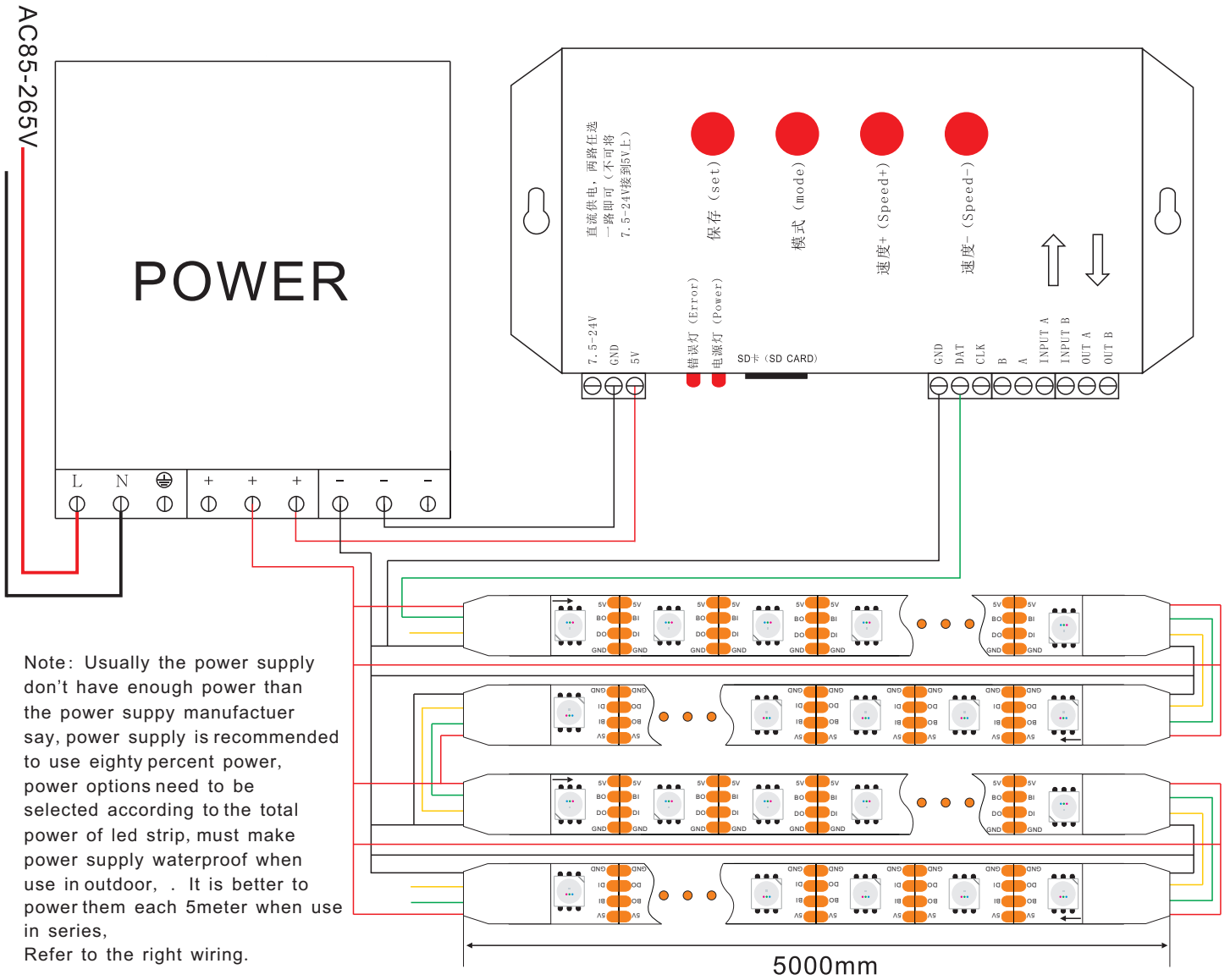
Two weld will shrink tubing to move the welding and weld completely wrap



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

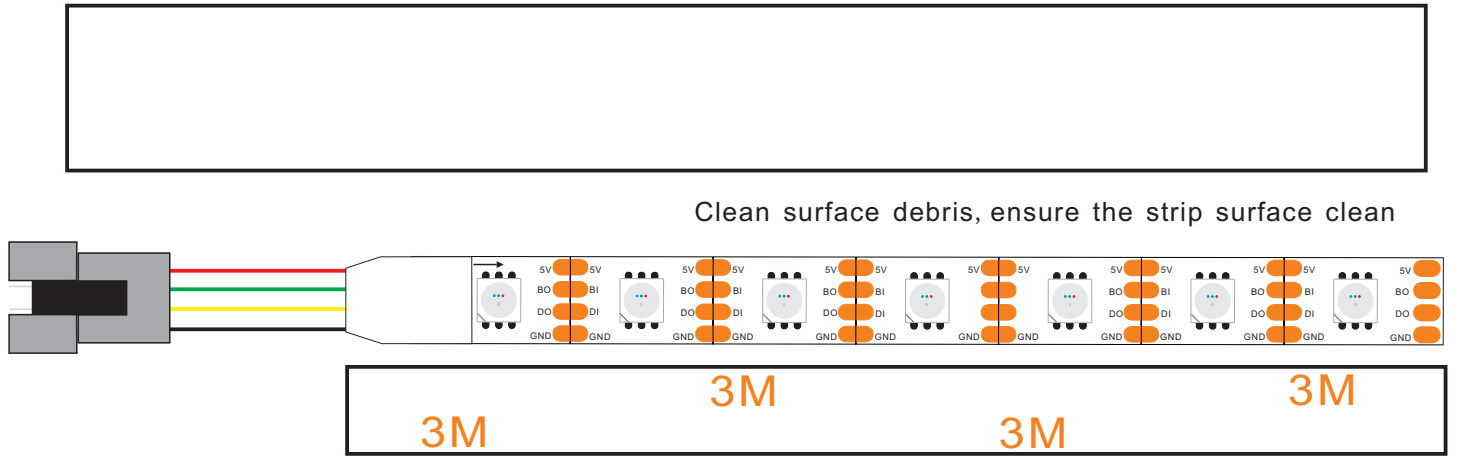


Installation wiring diagram

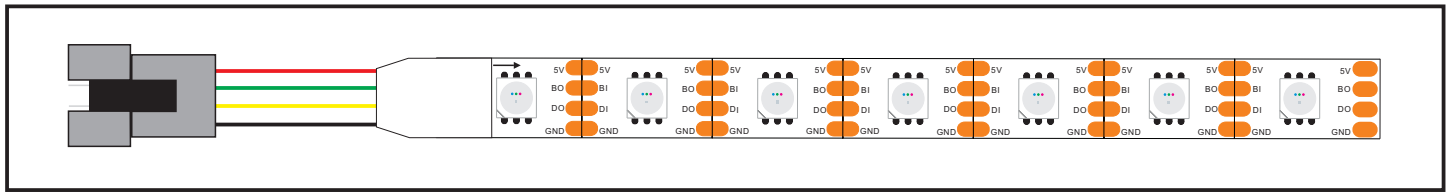


Note: Usually the power supply don't have enough power than the power supply manufacturer say, power supply is recommended to use eighty percent power, power options need to be selected according to the total power of led strip, must make power supply waterproof when use in outdoor, . It is better to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

IP20 IP65 the installation diagram



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

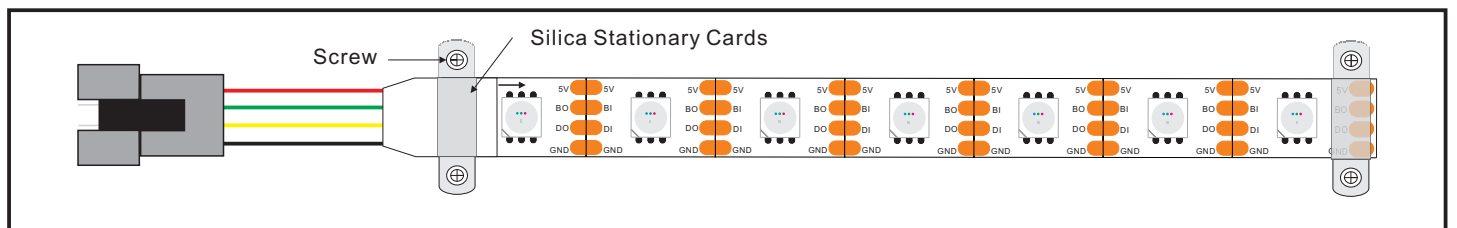


The lights straighten directly fixed to the mounting position

IP67, IP68 the installation diagram



Clean surface debris , ensure the strip surface clean



Put the led strip on install place , use screw to fixed , each meter need to use 2 silicone snap

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