



## Grove - WS2813 RGB LED Strip Waterproof - 60 LED/m - 1m

SKU 104020109

Several kinds of LED Strips have already been available in our bazaar for a long time, however, there were no Grove compatible LED strips. Now, we recommend the Grove - WS2813 RGB LED Strip Waterproof series for you.

This series products are awesome, and have three significant advantages over other products :

- Grove Compatible - you can just plug your LED Strip to Seeedunio or Arduino+BaseShield via Grove Cable, no soldering, no complicated wiring.
- WS2813 - WS2813 is an upgraded version of WS2812, which is much more stable and stronger than WS2812:
  - 1-support Resume from broken point;
  - 2-all electronic components are integrated into the lamp beads
- Waterproof - we add a transparent waterproof slot for those LED Strips

According to the number of LEDs per meter, we have three models in this series. We have three models for this series of products:

Grove - WS2813 RGB LED Strip Waterproof - 30 LED/m - 1m

Grove - WS2813 RGB LED Strip Waterproof - 60 LED/m - 1m

Grove - WS2813 RGB LED Strip Waterproof - 144 LED/m - 1m

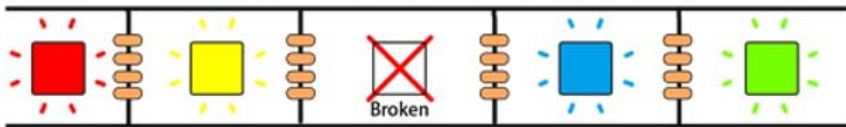
We hope you enjoy it, just use those LED Strips to decorate your house, color your devices, and light up your way in darkness.

## Features

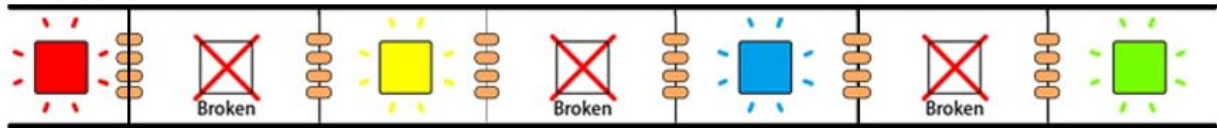
- Grove Compatible
- Resume from broken point, even if there were broken LEDs, the rest LEDs can work well.
- WS2813B IC, 5050 LED
- Waterproof, IP65
- Full color RGB, 16777216 colors, 256 levels of brightness

## The Resume from broken point Functions

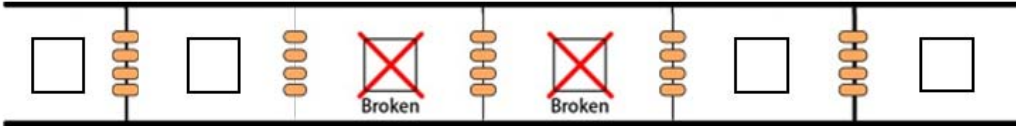
### Work



### Work



### Not Work



As long as not two or more adjacent LEDs are broken, the remaining LEDs will be able to work normally.

## Attention

The max. power of this LED strip is 18W, the max. current is 3.6A(All the led turn to white, level 255). We recommend that you use an extra power supply to power this LED strip. For example the max. current supplied by Arduino UNO vcc is 200mA which is not enough.

## Technical Details

Dimensions	1000mm x 12mm x 4mm
Weight	G.W 44g
Battery	Exclude
Operating Voltage	DC 5V
Operating Current	3.6A per meter / 0.06A per LED
Operating Temperature	-40°C ~ 70°C
Storage Temperature	-50°C ~ 80°C
Max. Power	18W per meter / 0.3W per LED
Scanning Frequency	2KHz/s
Max. Data Transfer Rate	800Kbps/s
Reset Time	>280us (typical = 300us)
LED Working Life-Span	50000 Hours

### *Part List*

Grove - WS2813 RGB LED Strip Waterproof - 60 LED/m - 1m	1
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*ECCN/HTS*

ECCN	EAR99
HSCODE	9405409000

