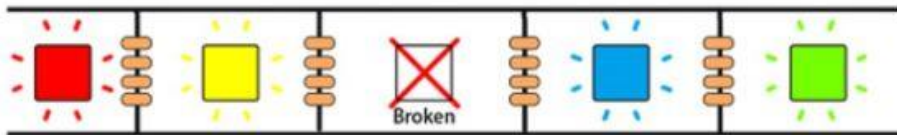# SEEED-104020108

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+BaseShild 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
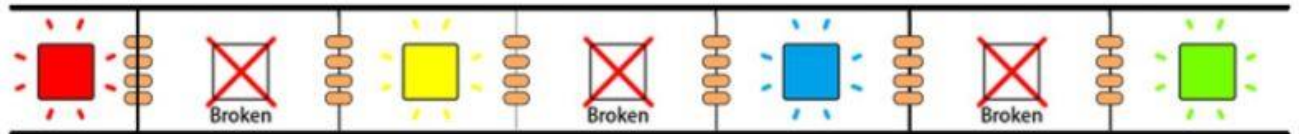- Waterproof - we add a transparent waterproof slot for those LED Strips

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
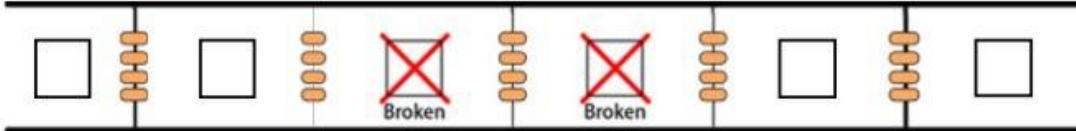- Full color RGB, 16777216 colors, 256 levels of brightness

Work

Work

Not Work

Technical details

Dimensions	1000mm x12mm x4mm
Weight	G.W 41g
Battery	Exclude
Operating Voltage	DC 5V
Operating Current	1.8A per meter / 0.06A per LED
Operating Temperature	-40℃ ~ 70℃
Storage Temperature	-50℃ ~ 80℃
Max. Power	9W 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