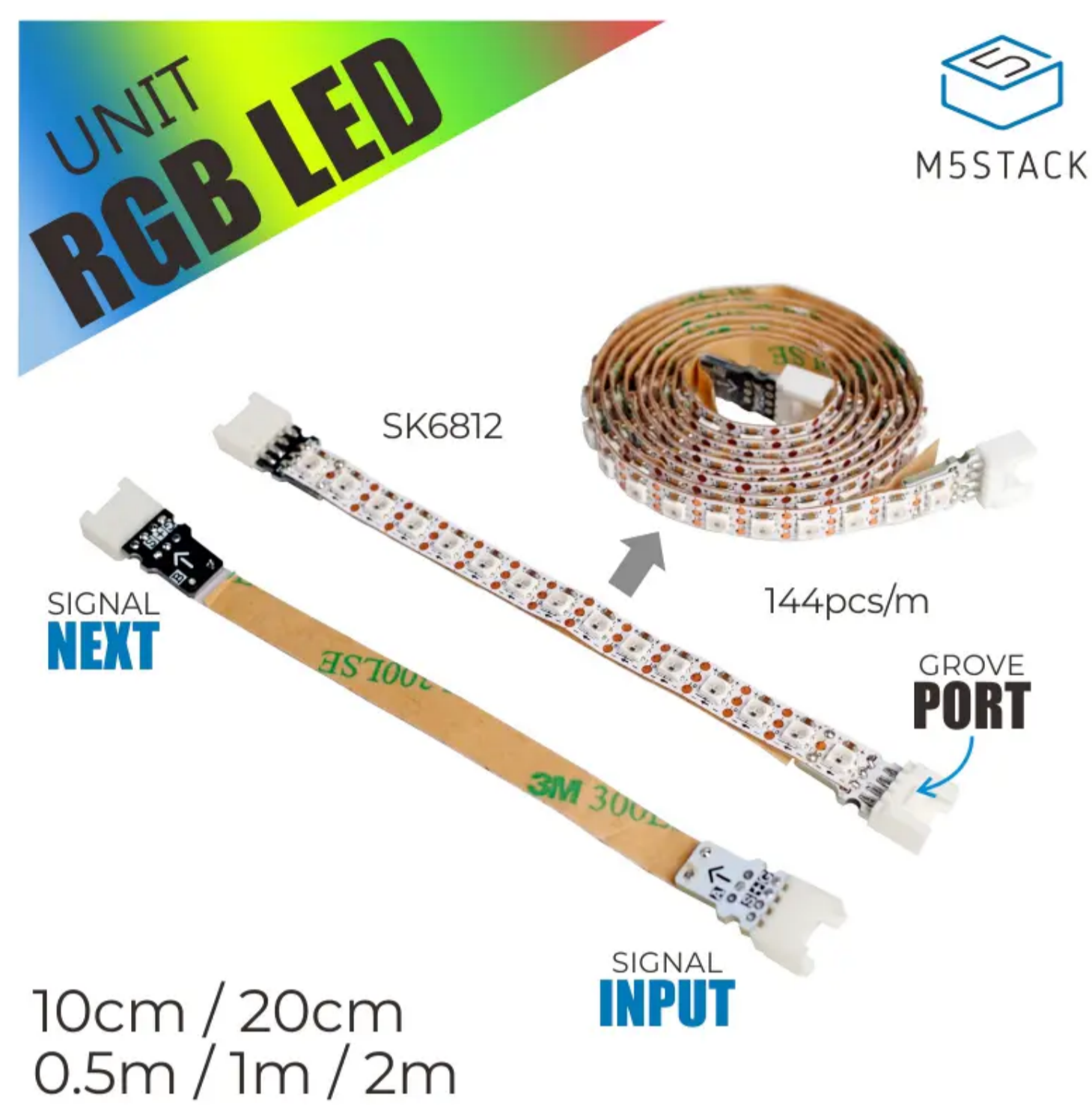


RGB LED

SKU:A035



Description

RGB LED is an extendable strip light with built-in SK6812) RGB LED. Just in case you haven't heard about RGB LED yet, RGB LED features digitally addressable LEDs, which means each led can display RGB color and brightness individually.

It is very easy to program by Single-BUS with simple protocol.

Another feature is the extension and flexibility, It's possible to connect many of them up together to create a massive long LED display. It's important to note that, the brightness and the quantity of LEDs matters the most to the power consuming, if you have a bunch of them connected up, you will need extra power supply.

Note: The black PCB board at the end of the light bar is for the light bar signal input (connect to the M5Core), and the white PCB board is used to extend the light bar.

Product Features

- Alternative length: 10cm(15 LED)/20cm(29 LED)/0.5m(72 LED)/1m(144 LED)/2m(288 LED)
- Software Development Platform: Arduino, UIFlow (Blockly, Python)
- extendable

Include

- 1x RGB LED Unit

Specification

Resources	Parameter
Lamp bead model	SK6812

Working voltage	5V
Power	18W/m
Data transfer rate	800K/s
Working temperature	-40°C-80°C
Waterproof rating	Bare board-not waterproof
Net weight	4g/6g/10g/12g/34g
Gross weight	5g/7g/11g/13g/35g
Product Size	10*100/10*200/10*500/10*1000/10*2000mm
Package Size	165*10*3/165*10*3/165*10*3/165*10*3/165*10*3mm

Related Link

- [FastLED Library](#)
- [FastLED Reference\(Chinese version\)](#)

EasyLoader



[download EasyLoader](#)

1.EasyLoader is a simple and fast program burner. Every product page in EasyLoader provides a product-related case program. It can be burned to the master through simple steps, and a series of function verification can be performed. .

- After downloading the software, double-click to run the application, connect the M5 device to the computer through the data cable, select the port parameters, click "**Burn**" to start burning. (For M5StickC burning, please Set the baud rate to 750000 or 115200)

- Currently EasyLoader is only suitable for Windows operating system, compatible with M5 system adopts ESP32 as the control core host. Before installing for M5Core, you need to install CP210X driver (you do not need to install with M5StickC as controller)[Click here to view the driver installation tutorial](#)

PinMap

M5Core(GROVE A)	GPIO22	GPIO21	5V	GND
RGB LED Unit		Signal Pin	5V	GND

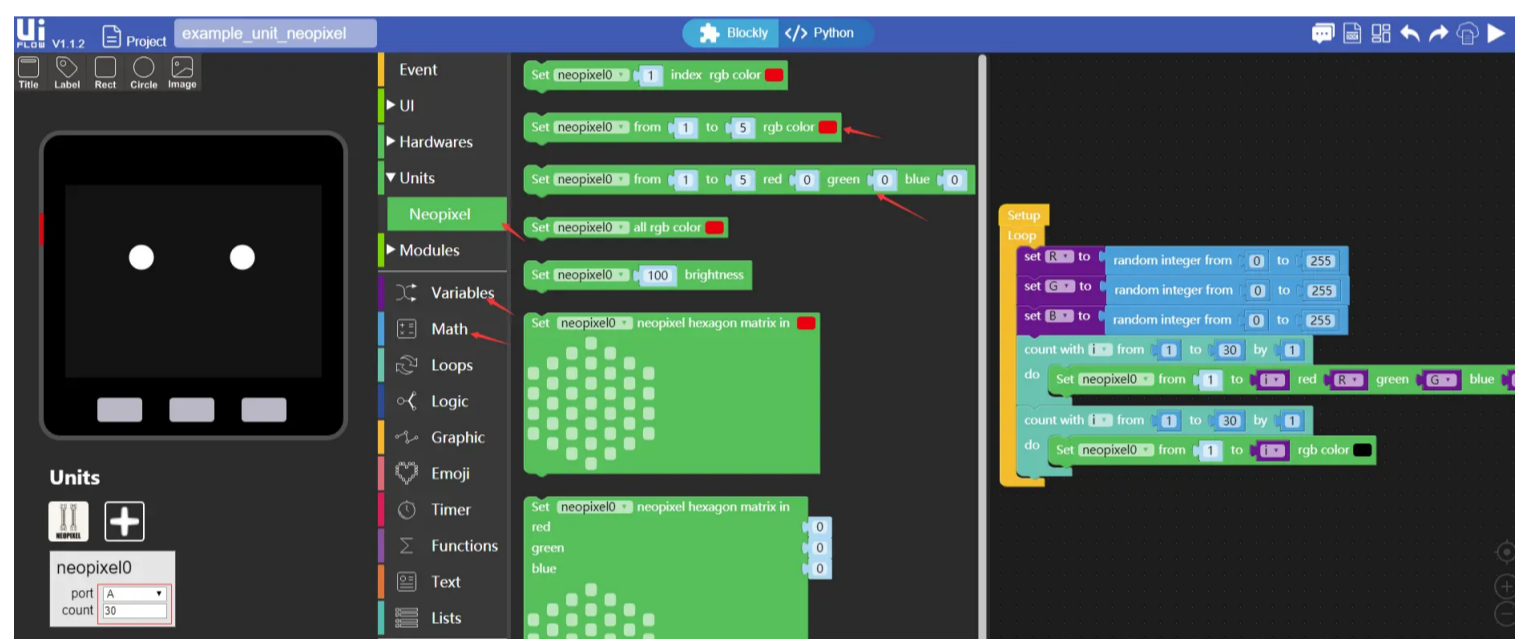
Example

1. Arduino

- [Click here to download the Arduino example](#)

2. UIFlow

To get the complete code, please click [here](#)



Last updated: 2020-12-14

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