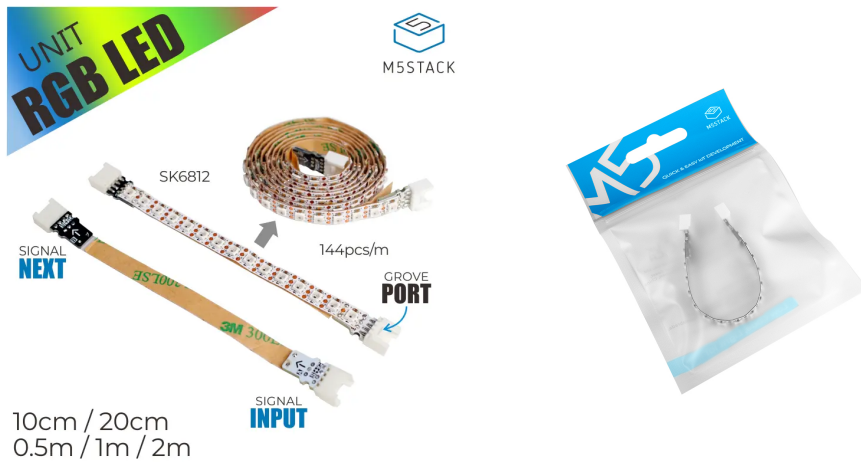


Unit RGB LED

SKU:A035/A035-B/A035-C/A035-D/A035-E



Description

Unit RGB LED is a programmable light strip that uses SK6812 LEDs. This light strip supports digital addressing, meaning you can individually control the color and brightness of each LED on the strip. It uses a single-bus programming interface, allowing for the expansion of the light strip. Note that as the number of connected LEDs increases, so does the power consumption. Therefore, when using a **Unit RGB LED** strip with a large number of LEDs, an additional power supply is required.

Features

- Available lengths: 10cm (15 LEDs) / 20cm (29 LEDs) / 0.5m (72 LEDs) / 1m (144 LEDs) / 2m (288 LEDs)
- Development platforms: Arduino, UIFlow (Blockly, Python)
- Expandable length

Includes

- 1 x Unit RGB LED

Specifications

Specification	Parameter
LED Model	SK6812 (3535)
Power	18W/m
Data Transfer Rate	800K/s
Operating Temperature	-40~80℃
Waterproof Level	Bare Board - Non-Waterproof
Product Size	10.0 x 100.0/10.0 x 200.0/10.0 x 500.0/10.0 x 1000.0/10.0 x 2000.0mm
Product Weight	4.0g/6.0g/10.0g/12.0g/34.0g
Package Size	138.0 x 93.0 x 8.0mm
Gross Weight	5.0g/7.0g/11.0g/13.0g/35.0g

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Signal Input/Output

The **white** PCB at the end of the strip is the signal input (connected to the main controller), and the **black** PCB is used for extending the strip.

PinMap

Unit RGB LED

HY2.0-4P	Black	Red	Yellow	White
PORT.B	GND	5V	LED Signal	NC

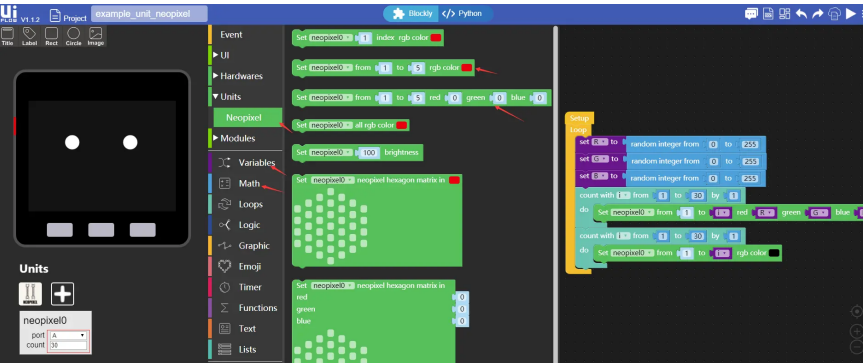
Softwares

Arduino

- [FastLED Arduino Library](#)
- [Unit RGB LED Display Rainbow Example](#)

UiFlow1

- [Unit RGB LED Test Example](#)



EasyLoader

Easyloader	Download Link	Notes
Unit RGB LED Test Easyloader	download	/

| Video

RGB LED Demo-01

[M5stack Neopixel Cosplay costume lights - super simple.mp4](#)