seeed studio

INDUSTRIAL PRODUCT DATASHEET

WS2812B Digital RGB LED Waterproof Flexi-Strip 144 LED&meter - 2 meter

WS2812B Digital RGB LED Waterproof Flexi-Strip: 144 LED/m, 2-meter roll, individually addressable, waterproof, with integrated driver chip and cascading capability.

SKU	UPDATED	PRICE
104990090	2024-08-09 02:07:27	$139.00(Excl. VAT)



Overview



The WS2812B Digital RGB LED Waterproof Flexi-Strip integrates a control circuit and RGB chip in a 5050 package, providing 144 individually addressable LEDs per meter with high brightness and a viewing angle ≥140°. It supports full-color dynamic effects like running water, chasing, and scan, and features built-in signal reshaping, a cascading port, waterproofing, and operates on DC 5V at 8.64A/m.

Key Features

Digital RGB LED Flexi-Strip is an intelligent light source consist s of WS2812B RGB LED with Integrated Driver Chip. The control circuit and RGB chip are integrated in a package of 5050 components.

This LED flexible strip is a full-color that external control for each lamp beads. It with high brightness, can achieve effects of full color running water, chasing and scan.

The RGB LED chips with low driving voltage, environmental protection and energy saving, high brightness, scattering angle is large, good consistency, low power, long life and other advantages. The control chip integrated in LED above becoming more simple circuit, small volume, convenient installation.

The max length is 5 m . We will cut this into 1 m for you. If you want 2m or 3m length, please note it for us.

Feature

- Integrating control circuit and RGB chip
- Built-in signal reshaping circuit
- Built-in electric rest circuit and power lost reset circuit
- 256 brightness and 16777216 color display
- Cascading port transmission signal
- Waterproof

Specification

- Working voltage: DC 5V
- Working currrent: 8.64A/meter
- Working temperature: -40℃～60℃
- Package: 2meter/roll
- LED number: 144pcs/meter
- Viewing angle: ≥140
- Lifespan: MTBF≥50000h

Distribution wiring diagram

Schematic

Resource

- Datasheet
- Source Code
- For any technical support or suggestion, please kindly go to our **forum**.

Compliance & Logistics

ECCN	ERA99
HSCODE	9405409000
ROHS	1

Resource Links

- https://www.seeedstudio.com/WS2812B-Digital-RGB-LED-Waterproof-Flexi-Strip-144-LED-meter-2-meter-p-1869.html

Seeed Technology Co.,Ltd.
9F, Building G3, International E City,
Zhongshanyuan Road, Nanshan, Shenzhen, China

Tel: +86 0755-80695676
Web: www.seeed.cc
Shop: www.seeedstudio.com