

PRODUCT DATASHEET



Smart LED WS2812B Pixel

333054

Transform your space with Smart LED WS2812B Pixels, featuring 16 million colors and easy control for stunning visual effects.

Full product documentation, files and tutorials: solde.red/333054

CORE ATTRIBUTES

SKU **333054**WEIGHT **3 g**BARCODE **732388671700**

DESCRIPTION

These small LEDs are not just ordinary lights - each is unique because it has a built-in small integrated circuit (IC) that is able to turn on the LED light in 16 million different colors. IC is WS2812 and it uses a single wire that can control thousands of these LEDs. With a little imagination by putting these pixels, you get superior effects with a minimum effort. These lamps are easy to control with Dasduino.

TECHNICAL DETAILS

- **Color:** RGB (red/green/blue)
- **Voltage:** 5V
- **Power:** max. 60mA/pixel
- **Diode type:** WS2812 SMD LED (5050 LED diode with built IC)
- **Dimensions:** diameter of 10 mm / 0.4 inch

SPECIFICATIONS

INTERFACE	Digital Gpio
QWIIC COMPATIBLE	No
BREADBOARD COMPATIBLE	No
IC PART NUMBER	WS2812B
SUPPLY VOLTAGE MIN V	5
SUPPLY VOLTAGE MAX V	5
LOGIC LEVEL	5V Only

OPERATING CURRENT (mA)	60 mA
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LINKS

Arduino Library	https://github.com/SolderedElectronics/Soldered-WS2812-Smart-Leds-Arduino-Library
Open Source Hardware Files	https://github.com/SolderedElectronics/Smart-LED-WS2812B-Pixel-hardware-design
Full Documentation	https://docs.soldered.com/ws2812b/overview/
Arduino: Get Started	https://docs.soldered.com/ws2812b/arduino/getting-started/
Hardware Details	https://docs.soldered.com/ws2812b/hardware/
Arduino Library Documentation	https://docs.soldered.com/ws2812b/arduino/brightness-control/
MicroPython Module	https://github.com/SolderedElectronics/Soldered-MicroPython-Modules/tree/main/Actuators/WS2812

GALLERY

