

LED pixel strip WS2812b, 5 m, 60 LEDs/m, IP67, 5 V

This LED pixel strip carries 60 WS2812b LEDs per metre. Every LED has its control chip built in and can be set individually in colour and brightness. The strip runs on 5 volts, sits in a silicone tube with end caps and has connection leads at both ends.

TECHNICAL DATA

Dimensions	5 m × 10 mm	Colour (PCB)	Black
Connection	3-pin at both ends, additional power injection leads	LEDs per metre	60
Number of pixels	300	Power (string)	max. 90 W (300 px)
Form factor	Pixel strip	Pixel spacing	16.7 mm
Operating Voltage	5 Volt DC	Design current (string)	approx. 18 A (300 px @ full white)
Ambient operating temperature	-15 to +60 °C	IP rating	IP67
Controller IC	WS2812b		

CONNECTION

1. Mind the direction. The arrows on the PCB show the data direction (DIN → DO). Connect the controller to the end marked "DIN".
2. Choose the power supply. Allow up to 0.3 W per LED, i.e. up to 90 W (18 A at 5 V) for 5 m, plus about 20 % reserve.
3. Inject power. The additional leads at the ends are for power injection. At 5 V the voltage drops noticeably over 5 m — inject power at both ends so the colours do not fade towards the end.
4. Switch on. Make all connections first, then switch on the power supply.

SCOPE OF DELIVERY

- 1 LED pixel strip, 5 m, on a reel, with connection leads at both ends
- Power supply and controller are not included.

SAFETY INSTRUCTIONS

- Operate only on a 5 V power supply (safety extra-low voltage); choose a supply with about 20 % power reserve.
- Connect or disconnect only with the power switched off.
- Do not use a damaged strip or tube.
- Do not kink the strip or run it over sharp edges; avoid mechanical stress and sources of heat.
- Operating temperature –15 to +60 °C.
- Not a toy — keep out of the reach of children.
- Caution: Operate on 5 V only. Cutting the strip opens the silicone tube — the cut point is no longer protected to IP67.

Manufacturer

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Marking



CE — the EU declaration of conformity is available on request.



Electrical and electronic equipment must not be disposed of with household waste. Take the old device to a collection point. WEEE reg. no. DE 32487762