

LED pixel strip WS2812b, 5 m, 60 LEDs/m, IP65, 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 and is protected to IP65.

TECHNICAL DATA

Dimensions	5 m × 10 mm	Colour (PCB)	white
Connection	3-pin plug, 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	IP65
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 are for power injection. At full brightness the voltage drops along the strip — 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, with connection leads
- 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.
- 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. After cutting, the cut point is no longer protected to IP65.

Manufacturer

PIXLtec GmbH · Maybachstraße 8 · 76227 Karlsruhe · Germany
info@pixltec.de · www.pixel-imperium.de

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