

LED pixel strip WS2811, 5 m, 30 LEDs/m, IP67, 12 V

This LED pixel strip carries 30 LEDs per metre. Three LEDs share one WS2811 control chip and form a pixel that can be set in colour and brightness. The strip runs on 12 volts and sits in a silicone tube with end caps.

TECHNICAL DATA

Dimensions	5 m × 10 mm	Colour (PCB)	Black
Connection	3-pin plug, additional power injection leads	LEDs per metre	30
Number of pixels	50	Power (string)	max. 36 W (50 px)
Form factor	Pixel strip	Pixel spacing	100 mm
Operating Voltage	12 Volt DC	Design current (string)	approx. 3 A (50 px @ full white)
Ambient operating temperature	-15 to +60 °C	IP rating	IP67
Controller IC	WS2811		

CONNECTION

- Mind the direction. The arrows on the PCB show the data direction (DIN → DO). Connect the controller to the end marked "DIN".
- Choose the power supply. Allow up to 0.72 W per pixel (60 mA at 12 V), i.e. up to 36 W (3 A at 12 V) for 5 m, plus about 20 % reserve.
- 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.
- 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 12 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 12 V only. Cutting the strip opens the silicone tube — the cut point is no longer protected to IP67.

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