RGB LED weatherproof flexi-strip – 30 LED/m

These LED strips are fun and glowy. There are 30 RGB LEDs per meter, and you can control the entire strip at once with any microcontroller and three transistors. The way they are wired, you will need a 9–12VDC power supply and then ground the R/G/B pins to turn on the three colors. Use any NPN or N-channel MOSFET (although the big powerful kind is good for a large strip) and PWM the inputs for color-mixing.

For powering, a good 12V supply is key. The one we carry will do well for fixed installations. For portable use, we suggest a 8xAA battery holder

We splurged and got the weatherproof kind with white background color. There's a 3M adhesive strip on the back which should stick to most smooth surfaces. Great for decorating your bike or art project, costuming or funky fashion.

Note: These strips are weatherproof so they'll be more rugged than uncoated strips, but they not designed for long term submersion in water, especially chlorinated water, or exposed to UV (eg sunlight) for extended periods of time. They are for indoor use or light outdoor use without direct sun/water. That means you cannot put them into a pool, lake, aquarium, etc. The silk-screening, pin ordering, and LED brightness of the strips may vary slightly from reel to reel. Once the adhesive backing has been removed, the strips are not returnable!

You can cut this stuff pretty easily with wire cutters, there are cut-lines every 10cm (3 LEDs each), and trim off the weatherproof cover with a hobby knife. Solder to the 0.1" copper pads and you're good to go.

They come in 5 meter reels, and are sold by the meter! If you buy 5m at a time, you'll get full reels. If you buy less than 5m, you'll get a single strip, but it will be a cut piece from a reel which may or may not have a connector on it. If the piece comes from the end of the reel, the connector may be on the output end of the strip!

We have a full tutorial with details, diagrams, schematics and Arduino & CircuitPython code for using your RGB LED strip, please check it out!

TECHNICAL DETAILS

- 10.5mm (0.41") wide, 3mm (0.12") thick, 100mm (3.95") long per segment
- Clear weatherproof molded
- 3M adhesive strip on back

- Maximum 12V @ 60mA draw per strip segment
- 3 common-anode RGB LEDs per segment, 10 segments per meter
- LED wavelengths: 630nm/530nm/475nm
- No microcontroller or chip controller ('analog' only!)
- 12V powered
- Max 0.6 Amps per meter (all LEDs lit full brightness)