RGB SPI Neon Flex 12×12 mm – 24 V, Side Bend

Licensed electrician recommended. 24 V only. Keep the transformer and controller dry. Hard-wiring a transformer to 240 V must be done by a licensed electrician (AS/NZS 3000).

IN THE BOX

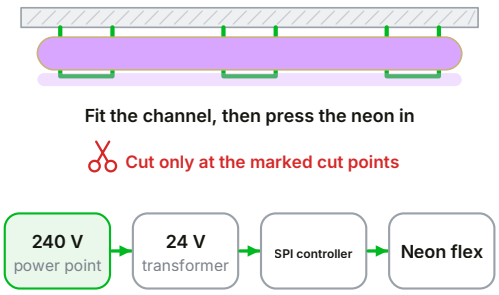
- 1 × RGB SPI neon flex in the length you ordered
- SPI controller, transformer and channel: sold separately or in a kit

YOU WILL NEED

- Tape measure
- Sharp knife or scissors
- Small flat screwdriver
- Neutral-cure silicone and end caps
- Drill and screws (for channel)

BEFORE YOU START

- Size the transformer: the neon's watts are 11 W × metres – keep the load under 80% of the transformer rating. Example: 5 m = 55 W, so use a 100 W transformer; 10 m = 110 W needs 150 W.
- Find the arrows on the neon – they show which way the data signal runs.
- Also order the side-bend neon channel for 12×12 neon and an SPI controller. Plan a dry spot for the transformer and controller.
- Make sure the transformer is unplugged or switched off.



STEP BY STEP

1. Fix the neon aluminium channel along your design.
2. Measure the run. Cut only on a marked cut line.
3. Seal every cut end with a silicone end cap and silicone so it stays weatherproof.
4. Press the neon into the channel, bending it sideways only. Don't twist it.
5. Connect the start end (arrows pointing away) to the SPI controller: 24 V (+), data and GND (−) to the matching terminals.
6. Connect the controller to the 24 V transformer. Plug-in: plug it in. Hard-wired: a licensed electrician connects it to 240 V.
7. Turn the power on, connect the app by Bluetooth and test colours and effects.

SETTINGS & USE

- Use an SPI controller – a standard RGB strip controller will not run this neon.
- Pair the controller with its phone app over Bluetooth, then set the strip type and length as the controller's guide shows.
- To join more lengths, run the data wire from the end of one to the start of the next.

DO NOT

- Don't connect it straight to 240 V – it will be destroyed.
- Don't bend it up or down, twist it or fold it – side bend only.
- Don't overload – keep the load under 80% of the transformer rating.
- Don't put the transformer or controller where they can get wet.

CARE & TROUBLESHOOTING

- Turn the power off, then wipe with a soft damp cloth.
- Stops part-way or wrong colours? Check the data wire and the arrow direction.
- Dim at the far end? Feed power to both ends or use a bigger transformer.

Installation: Greenhse recommends that every product is installed by a licensed electrician to AS/NZS 3000 and local rules. Any work on 240 V wiring must be done by a licensed electrician. Incorrect installation can be unsafe and may void the warranty. **Warranty:** 2 years limited (excludes physical damage). Keep your invoice and the electrician's certificate of compliance. Questions? Call (08) 9297 2969 or visit greenhse.com.