

Waterproof Ribbon, Key Specifications/Special Features:

Power consumption: 12Vdc@ 1.2A per strip, single colour 9.6W/M, RGB colour 7.2W/M.

Supplied in 3M lengths

Strip width: single colour 11mm, RGB 12.5mm

Viewing angle: 100 to 120 degrees

Can be cut at three LED intervals for design flexibility

Waterproof: for indoor and outdoor use

Power supply required (153.743) 12.5A, (153.746) 24A, or suitable 12V DC PSU (not supplied)

The RGB version (153.719) requires a controller (153.740) and suitable power supply not supplied

Fixing clips available (153.749) not supplied

Installation:

1. Always turn the power off before working on the Waterproof Ribbon
2. For safety and reliability DO NOT load the power supply to more than 80% of its rated power
3. When laying out the ribbon, if it needs to be bent, then avoid bending at the locations of the LED's and resistors to prevent component damage.
4. On the single colour ribbon the Grey wire should be connected to the positive (+) terminal and the White to the negative (-) terminal of the power supply
5. On the RGB ribbon the Red, Green, Blue and Grey wires must be connected to the corresponding terminals on the controller (153.740) and the controller connected to a suitable power supply
6. 3 LED groups, may be cut at the position marked "x" or "|", if you need a length greater than 3.0M, join the ribbons by solder jumpers (see instructions below). The maximum length of the ribbon is 32M.
7. RGB ribbon must be connected to a controller (153.740) for colour effects
8. Install the ribbon using a suitable number of clips depending on the installation requirements

Waterproof ribbon extension procedure:

1. Remove the glue to reveal the solder pads



2. Fit the cap with holes over the wires and solder the connections. 3. Fill the cap with silicon sealant and push over the connections, use additional sealant as required to create a water proof seal.
4. Allow the sealant to dry before use.

