

## RGB LED TAPE

### Installation Guide



Stock code	Voltage	Power consumption	LEDs / metre	Luminous flux (Lumens per metre)
156.720UK	12Vdc	14.4W/m	60	600lm/m
156.721UK	12Vdc	7.2W/m	30	400lm/m
156.770UK	24Vdc	14.4W/m	60	600lm/m
156.771UK	24Vdc	7.2W/m	30	400lm/m

Common Specifications	
Beam angle	140°
LED type	Epistar™ RGB5050
Light intensity per LED (millicandelas)	6000mcd
Reel length	5m
IP rating	IP65
Cross-section	12 x 3mm
Weight	230g

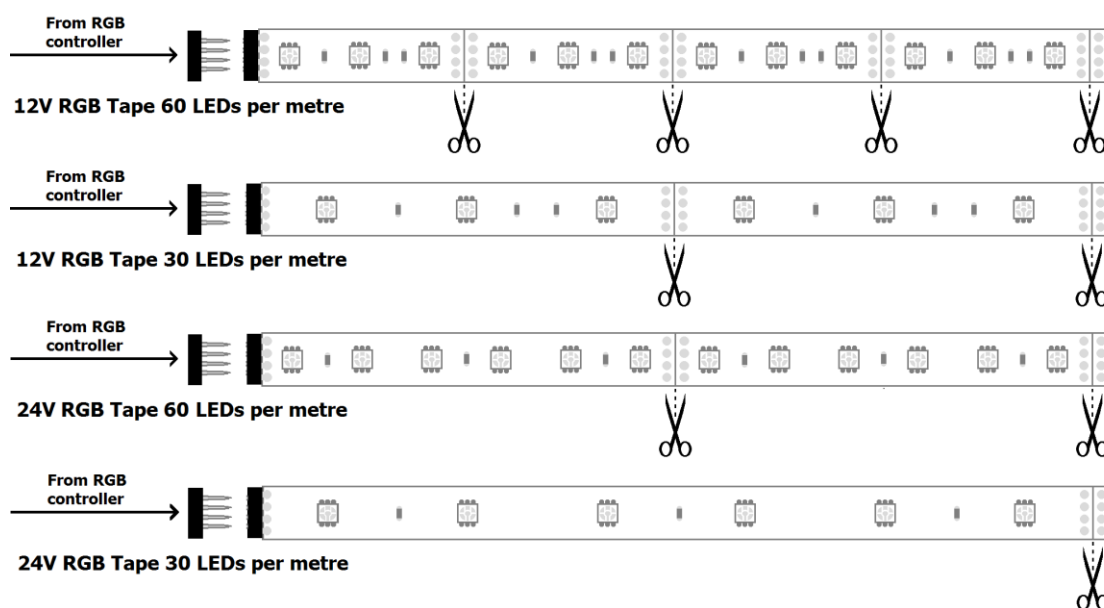
Recommended RGB Controllers	
153.699UK	In-line RF RGB LED Tape Controller
153.701UK	In-line RGB LED Tape Amplifier
153.702UK	In-line RGB LED Tape Controller
153.742UK	RGB LED Controller with 17 Built-in Programs
153.750UK	LR15 RGB Repeater/Amplifier
153.771UK	In-line RGB LED Tape Amplifier with DC Socket

**Caution: Please read this guide carefully before installing Fluxia LED tape**  
 Damage caused by incorrect application is not covered by the warranty

Fluxia RGB LED tape is supplied on 5m reels in either 12Vdc or 24Vdc voltages and offers full colour mixing. Installation should be carried out by competent electrical installers, observing the relevant electrical safety procedures.

Fluxia RGB LED tape has a self-adhesive backing to allow it to be easily attached to a clean, non-porous surface.

Where less than 5m of tape is needed, there are solder points as shown below, where the tape may be cut to size. These cut points are at 5cm, 10cm or 20cm intervals, depending upon the version, as shown below. In order to re-connect to another length of tape after cutting, strip away the epoxy coating at the solder points and solder a wire from V+, R, G and B to like points on the next length of tape. Some accessories are supplied with the tape reel for this purpose. In order to retain weather-proofing, it is advised to seal the cuts and joints with silicone glue.



Each 5m reel of RGB LED tape is fitted with a 4-pin connector for power input from an RGB controller. Ensure that the V+, R, G and B pins are connected the correct way round.

Where more than 5m of tape is needed, an RGB repeater/amplifier should be used before each additional reel of 12V tape, whereas 24V tape can be installed in 10m lengths between repeater/amplifiers by using the included 4-pin couplers to connect 2 reels together in sequence. The amplifier repeater ensures that extension reels mimic the colour changes of the original reel as dictated by the controller.

It is imperative that the power supply, controller and amplifier/repeater should have higher than the rated capacity in Amps (A) for the current required to power the length(s) of LED tape installed. Please see the table below for reference.

Tape length	5m	10m	15m	20m	25m	30m	35m	40m
Current for 12V tape 60 LED/m	6A	12A	18A	24A	30A	36A	42A	48A
Current for 12V tape 30 LED/m	3A	6A	9A	12A	15A	18A	21A	24A
Current for 24V tape 60 LED/m	3A	6A	9A	12A	15A	18A	21A	24A
Current for 24V tape 30 LED/m	1.5A	3A	4.5A	6A	7.5A	9A	10.5A	12A

Please visit [www.avsl.com](http://www.avsl.com) to select from our range of 12Vdc and 24Vdc power supplies, RGB controllers and RGB amplifier/repeaters that are suitable for powering Fluxia RGB LED tapes.



**Disposal:** The "Crossed Wheelie Bin" symbol on the product means that the product is classed as Electrical or Electronic equipment and should not be disposed with other household or commercial waste at the end of its useful life. The goods must be disposed of according to your local council guidelines.