

SINGLE COLOUR LED TAPE

Installation Guide



Stock code	Voltage	Colour	Luminous flux (Lumens per metre)	Light intensity per LED (millicandelas)
156.704UK	12Vdc	UV	540lm/m	5000mcd
156.705UK	12Vdc	Red	60lm/m	600mcd
156.706UK	12Vdc	Pink	120lm/m	1000mcd
156.708UK	12Vdc	Green	130lm/m	1200mcd
156.711UK	12Vdc	Blue	30lm/m	500mcd
156.714UK	12Vdc	Yellow	45lm/m	600mcd
156.715UK	12Vdc	Cool white (6500K)	720lm/m	3996mcd
156.716UK	12Vdc	Warm white (2700K)	720lm/m	3996mcd
156.755UK	24Vdc	Red	60lm/m	600mcd
156.756UK	24Vdc	Pink	120lm/m	1000mcd
156.758UK	24Vdc	Green	130lm/m	1200mcd
156.761UK	24Vdc	Blue	30lm/m	500mcd
156.764UK	24Vdc	Yellow	45lm/m	600mcd
156.765UK	24Vdc	Cool white (6500K)	720lm/m	3996mcd
156.766UK	24Vdc	Warm white (2700K)	720lm/m	3996mcd

Common Specifications	
Number of LEDs	60/m
Beam angle	140°
Cut intervals	5cm
Reel length	5m
LED type	Epistar™ SMD5050 for UV, SMD2835 for cool/warm white, SMD3528 for others
LED spacing	16mm
IP rating	IP65
Power consumption / metre	4.8W - (8.4W/m for UV 156.704UK)
Cross-section	10.5 x 2.55mm
Weight	210g - (230g for UV 156.704UK)

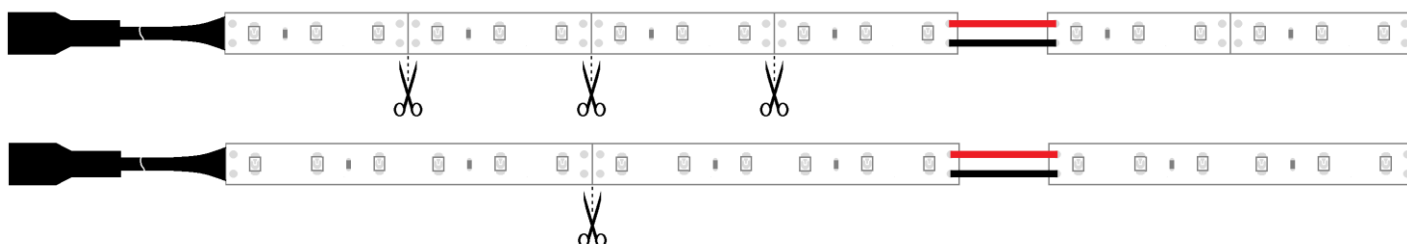


Caution: Please read this guide carefully before installing Fluxia LED tape
Damage caused by incorrect application is not covered by the warranty

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

Fluxia single colour 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 will be at 5cm intervals for 12V tape and 10cm intervals for 24V tape. 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 "+" to "+" and a wire from "-" to "-" as shown below. 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.

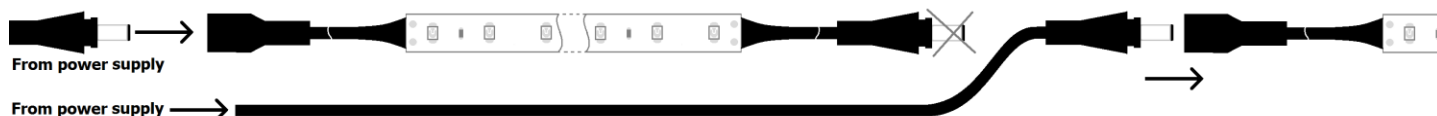


Each 5m reel of single colour LED tape is fitted with a 2.1mm DC jack socket for power input for easy connection to a power supply. This connector may be removed and stripped for bare wire connection if a 2.1mm jack is not fitted to the power supply.

If the power supply has enough capacity to power more than one reel, another reel can be connected to the end of the first reel via the 2.1mm DC jack plug.



For 12V single colour LED tape, it is recommended to link no more than 15m of tape in sequence. For 24V versions, up to 30m can be linked in this way. Using a separate wire to loop "+" and "-" back to the power supply will help to avoid dimming at the far end through voltage drop. To connect beyond these lengths, a parallel wire must be run from the power supply to the further reels of tape.



It is imperative that the power supply 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	2A	4A	6A	8A	10A	12A	14A	16A
Current for UV tape	3.5A	7A	10.5A	14A	17.5A	21A	24.5A	28A
Current for 24V tape	1A	2A	3A	4A	5A	6A	7A	8A

Please visit www.avsl.com to select from our range of 12Vdc and 24Vdc power supplies that are suitable for powering Fluxia 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.

*Errors and omissions excepted.
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