
24V LED Tape 5m - RGBW 60/m

User Manual

Introduction

Super-bright IP65 rated RGBW LED tape which when connected to a controller can produce any colour of the rainbow. Supplied on 5m reel with an adhesive back this tape is easy to setup and quick to install. Its 24Vdc supply and low power consumption makes it suitable for a wide variety of applications from homes to vehicles and from shops to bars and nightclubs. The LEDs will last up to 50,000 hours and are covered with an epoxy coating to protect the tape from general wear and tear as well as being water resistant, making cleaning an easy task.

Specification

Voltage	24Vdc
Light intensity per LED	2000-2500mcd
LED Type	Sanan SMD5050
Reel Length	5m
IP Rating	IP65
Power consumption per metre	16W
LED quantity per metre	60
LED spacing	12mm
Cut points	10cm
Colour rendering index	>80
Current	670mA per metre
Cross-section	12 x 2.6mm

Installation of this LED tape should be carried out by competent electrical installers, observing the relevant electrical safety procedures.

Lyyt RGBW 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 10cm intervals. 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+, G, R, B and W to

corresponding points on the next length of tape. Some accessories are supplied with the tape reel for this purpose. To retain weatherproofing, it is advised to seal the cuts and joints with silicone glue.



Each 5m reel of RGBW LED tape is fitted with a 5-pin connector for power input from an RGBW controller. Ensure that the V+, G, R, B and W pins are connected the correct way round. 24V tape can be installed in 10m lengths between repeater/amplifiers by using the included 5-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
Current for 24V RGBW tape 60 LED/m	3.35A	6.7A	10.05A

Please visit www.avsl.com to select from our range of 24Vdc power supplies, RGBW controllers and RGBW amplifier/repeaters that are suitable for powering Lyyt RGBW LED tapes



This 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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