
24V COB LED Strip 5m - RGB

User Manual

Introduction

Multi-colour RGB COB LED Strip by Lyyt provides a continuous linear lighting solution. The COB (chip on board) technology consists of 840 tightly packed LEDs per metre. The flexible COB strip is supplied on a 5m reel and can be cut to desired length along the designated cutting points, the strip is equipped with an adhesive backing for easy installation. The 24Vdc COB strip is suitable for a wide variety of applications, such as in hospitality, retail, offices, displays, exhibitions and more. IP20 versions are for indoor use only.

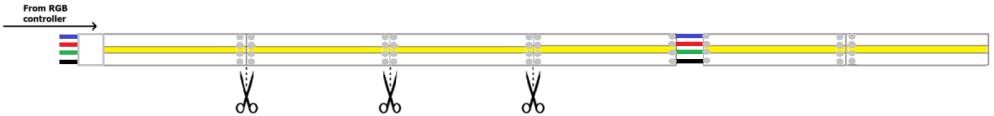
Specification

LED Colour	RGB
Voltage	24Vdc
Beam angle	120°
LED Type	Sanan
Reel Length	5m
IP Rating	IP20
Power consumption per metre	11.64W
Current	485mA per metre
LED quantity per metre	840
LED spacing	0.97mm
Cut points	50mm
Colour rendering index	Ra>80
Cross-section	10 x 2.2mm
Weight	126g

Installation of this COB Strip should be carried out by competent electrical installers, observing the relevant electrical safety procedures. Lyyt COB Strip 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 intervals. To re-connect to another length of tape after cutting, solder a wire from “+” to “+” and a wire from “G”, “R” and “B” as shown below. Some accessories are

supplied with the tape reel for this purpose. Alternatively, you can use solderless connectors to achieve this result. For best protection of this tape, we recommend inserting the tape into one of our Aluminium Profiles.



Each 5m reel of COB Strip has bare wire ends to allow easy connection to an RGB controller and power input.

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. Using an amplifier repeater will ensure that extension reels mimic the colour changes and brightness of the original reel.

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 COB Strip installed. Likewise, if controllers and amplifiers/repeaters are used, these must have adequate capacity for the tape being controlled. Please see the table below for reference. It is advised up to 25m of LED COB strip can be connected.

Tape Length	5m	10m	15m	20m	25m
Current for 24V tape 840 LED/m	2.425A	4.85A	7.275A	9.7A	12.125A

Please visit www.avsl.com to select from our range of 24Vdc power supplies that are suitable for powering Lyyt COB Strip



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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