

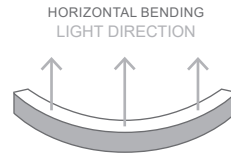
## ENCAPSULATED LED RIBBON | CURVE | RGB



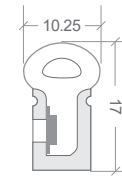
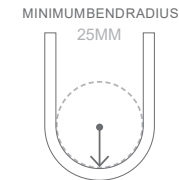
COLOUR	CODE	LUMENS
RGB	BL-LS-4350-RGB	R 45lm/m G 180lm/m B 50lm/m

LED WATTS	12W/m
INPUT VOLTS	24V DC constant voltage
OPERATING TEMP.	-25°C ~ +60°C
MAX. RUN	10m
DIMENSIONS	W10.25 × H17mm (W12mm for connectors)
CUTTING LENGTH	50mm
MINIMUM BEND RADIUS	25mm
BEND DIRECTION	Horizontal bending
BEAM ANGLE	180°
SOURCE LIFE	50,000 hours
WARRANTY	3 years
INGRESS PROTECTION	Protection established by use of IP66 connections
CONTROL	Requires 3-channel RGB controller

### ENCAPSULATED LED RIBBON | CURVE CAN BE CURVED AS SHOWN BELOW:



✗ DO NOT TWIST THE LIGHT OR BEND AGAINST THE LIGHT SURFACE

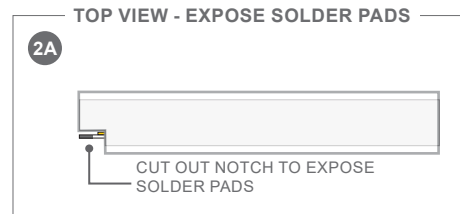
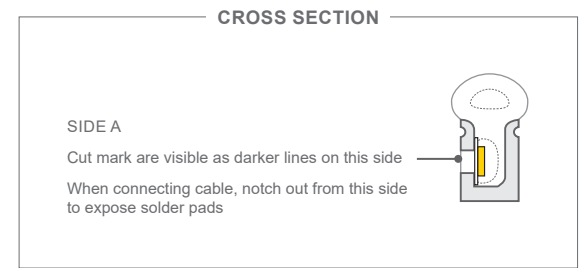
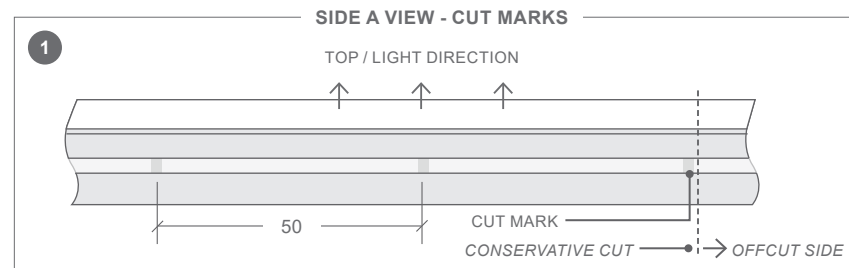


### SAFETY NOTES

- Before making any cuts, installation, maintenance, or connection, be sure the mains power is disconnected.
- All connector joints must be connected correctly to achieve connector IP rating.
- Check the polarity of the connector before inserting the front connector and switching on the mains power.
- Cut and connect Encapsulated LED Ribbon correctly. Any incorrect operation can cause damage.
- Use a certified Bright Light 24V DC power supply.

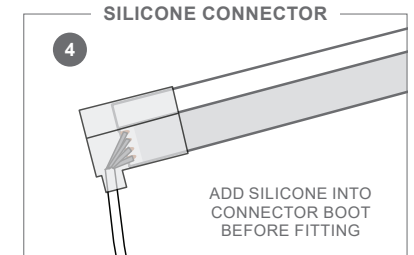
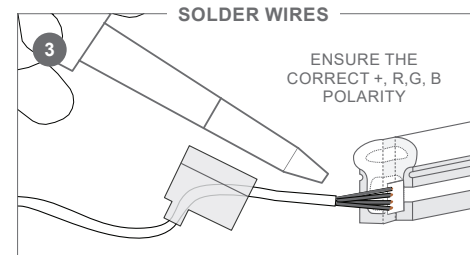
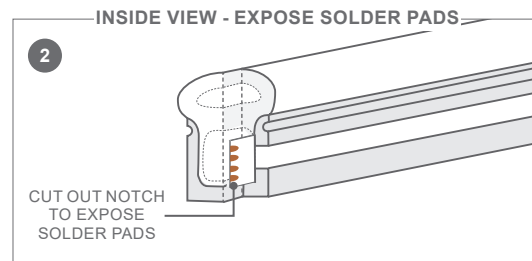
**! BRIGHT LIGHT RECOMMENDS CONNECTIONS ARE MADE IN-HOUSE**

### CUTTING RIBBON & CONNECTING BOOT CONNECTORS



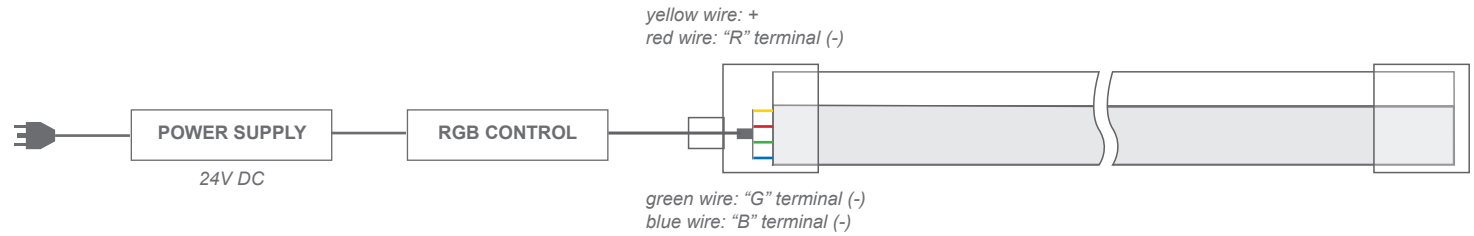
1. Cut Encapsulated LED Ribbon only at the cut lines shown on Side A of product. Be conservative to avoid over cutting. **See No. 5 for shortening ribbon.**
2. **To fit a connector:** Cut out a notch (approx 3 × 3mm) from Side A to expose the underside PCB solder pads. Take care not to cut or damage the PCB and LEDs.

3. Cut and trim the cable to the appropriate length and feed through connector. Solder the wires onto the solder pads of the Encapsulated LED Ribbon PCB ensuring the correct +, R, G, B polarity
4. Insert silicone into connector before fitting over connection. The silicone is required to complete the IP66 rating. *Failure to do this will result in warranty becoming void.*
5. **Shortening ribbon / fitting new end cap:** Cut Encapsulated LED Ribbon to length then fit end cap and silicone in place.



## WIRING DIAGRAM

- This product requires an RGB controller, it uses a common positive and all colours are controlled by PWM on the negative side.
- To minimise voltage drop and ensure consistent light output, position the power supply near to the power feed end of the LED Ribbon, and keep the line as short as possible
- Ensure your maximum run adheres to the guidelines; 10m.
- Ensure to add 20% buffer when selecting a power supply

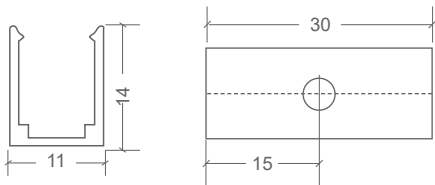
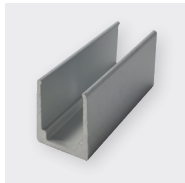


## MOUNTING CLIPS

Mounting clips allow for the creation of unique Encapsulated LED Ribbon shapes and designs. Quantity of mounting clips required depends on length of product, desired shape and mounting surface angle.

ACCESSORY	CODE
MOUNTING CLIP 30MM	BL-LS-4359

HOLE DIMENSIONS Ø2.5mm



## IP66 CONNECTION ACCESSORIES

Encapsulated LED Ribbon requires the soldering of cable onto PCB solder pads and the use of silicone connectors to ensure an IP66 protective seal.

ACCESSORY	CODE
SIDE FEED CONNECTOR IP66	BL-LS-4360
BOTTOM FEED CONNECTOR IP66	BL-LS-4361
END CAP IP66	BL-LS-4362



SIDE FEED CONNECTOR



BOTTOM FEED CONNECTOR



END CAP

