

# LED COB Strip

Installation instructions for Single Colour COB LED Tape\*\*



## Warnings & cautions

- To avoid electric shock, serious injury or property damage, isolate power before installing, removing or servicing the product
- It is recommended that luminaires are installed by a qualified electrician and the installation complies with the local current wiring regulations.
- Any broken or damaged parts should be replaced as soon as possible.
- JCC will not accept responsibility for claims arising from sub-standard installations.
- These products are suitable for indoor(IP20) or outdoor use(IP65) depending on IP rating
- The light source of this LED tape is not replaceable: When the light source reaches the end of its life, the whole of the LED tape must be replaced.
- It may be necessary to upgrade your MCBs to allow for increased inrush current.
- Do not carry out insulation tests with the product connected to the circuit.
- It is recommended that the ambient room temperature should not exceed 25°C.
- Terminal blocks used for mains connection must comply to EN 60998-2-1 or EN 60998-2-2

Read instructions and check that you have all of the tools and accessories required to complete the installation correctly. Isolate power supply before starting the installation.

## INSTALLATION

ENGLISH

LED tape input: 24VDC ⚡

IP65/IP20

(see descriptions for applicable IP ratings)

**\*\*Please note:** This instruction sheet has been designed for both 50mm cut point and free cut LED COB tape. Please refer to product codes and descriptions.

**Please note:** All LED tape can suffer voltage drop over distance, depending on configuration of LED tape, DC cable and driver. Any run over 10m may result in up to 2% loss of output per meter thereafter. Consider adding a new power supply every 10m to ensure you achieve the maximum performance of your tape. All the standard length LED tape products can be cut every 50mm if required. It is the installer's responsibility to ensure if the IP65 tape is cut, they maintain the IP rating of the tape by using heatshrink, silicone end caps with suitable silicone sealant where applicable.

(1)

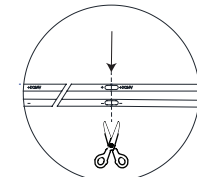
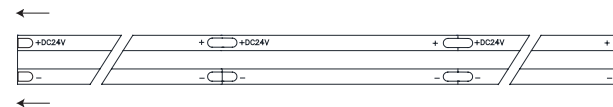
- Select a driver that is suitable to run the LED tape overall Wattage using the table on the left as a guide. The total tape Wattage must not exceed the driver maximum Wattage.

(2)

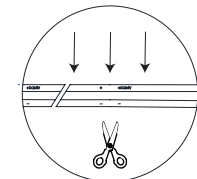
- Single Colour IP20 and IP65, LED COB tape. The Tape can be cut at 50mm intervals to suite. You must only cut at the copper connection points(50mm intervals). If you cut anywhere other than the copper cut points, it will damage the LED tape and will affect the circuit board and/or light output.



(b)



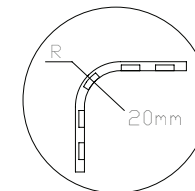
50mm Tape cut points



Free Cut Tape can be cut at any point on the strip

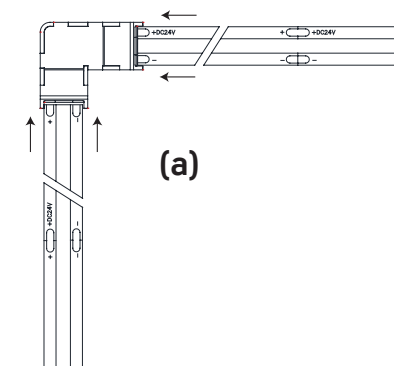
(3)

- LED Tape can be bent to curve around a corner in a continuous run, but only when placed on a vertical surface horizontally i.e. on a wall from left to right. The LED tape must only be bent with an inner radius of 20mm max as illustrated to the right. If bent past the 20mm max, it could damage the circuit board causing failure of the LED chips to illuminate.



(4)

- LED Tape cannot be bent to curve around a corner, when placed on a horizontal surface i.e. on the underneath of a kitchen wall cabinet from left to right. The LED tape can only continue around a corner if cut and a DC cable corner connector(a) is used or a LED Tape Corner(b) is used. If using the LED Tape Corner(b) the length of the tape and placement of the tape may need to be adjusted to allow for the width of the corner piece.
- Note: when cutting and re-connecting the LED tape, make sure that you match the polarity of the tape i.e. + (positive) to + (positive) and - (negative) to - (negative)



(a)