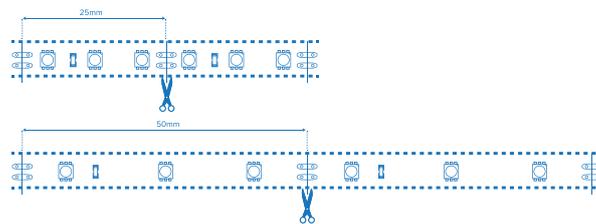# FAZE LED STRIP

radiantlighting®

⚠ CAUTION - light fitting must be installed by a licensed electrician.

- Please ensure to read instructions correctly for the installation of the fitting provided. Failure to do so will result in a void of warranty and compromises the safety of luminaire.
- Radiant Lighting are not liable for warranties when luminaire is damaged by incorrect installation. The installation of the luminaires must be in accordance with the national safety regulations.
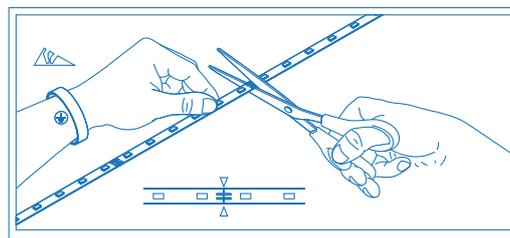
Please refer to Radiant Lighting's General Terms & Conditions for more information concerning the installation and warranty of our products.

INSTALLATION

1. **Check** the required lengths of strip, and round **measurements** down to the nearest cutting point; 100mm for 30LED, 50mm for 60LED, 71.43 for 112LED and 45.45mm for 176LED.

2. **Cut the strip** between connection points to pre-measured lengths. **Do not cut strip** in any other spot (inbetween LEDs) as it will damage the circuit and render that section **unusable**. Each section of the strip is made up of a separate circuit and can work independently (each 25mm / 50mm / 100mm can be lit on it's own when cut and wired.)

3. **Choosing Drivers:** Decide how many drivers you will need to complete your installation. If pre-cut lengths of strip are being installed in different locations, you will need several drivers. If feasible, multiple cuts of strip can be linked back to one driver.
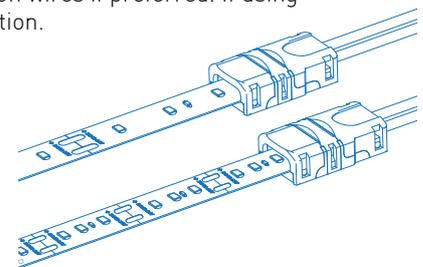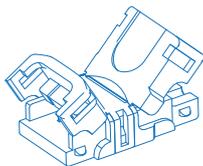
Calculate driver size required by using this simple equation:

STRIP LENGTH **X** **WATTAGE PER METER** **+** **10%** **=** **TOTAL WATTAGE**

4. Use connectors included to attach power cables to each of the lengths of strip, or solder-on wires if preferred. If using full 5mt roll, use existing connections on the strip. Each FAZE 5mt reel has power connection.

a) wire-to-strip : power cable connector

b) strip-to-strip : back-to-back, joiner/connector

Category	LED lighting	CRI	95+
Power	7.2W / 14.4W / 16.8W /19.2W (per meter)	Material	PCB
IP Rating	20	Warranty	5 Years

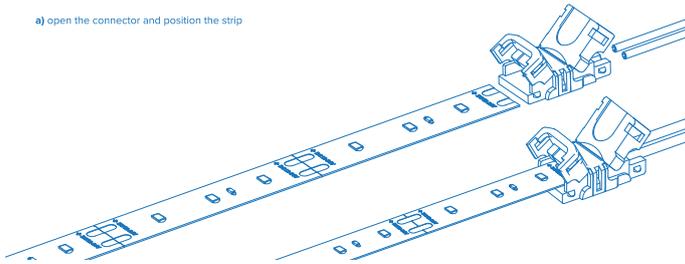24V DC | III | MAC ADAM 2 | DIMMABLE | IP20 | LED | CRI 95+ | UV | 5 |

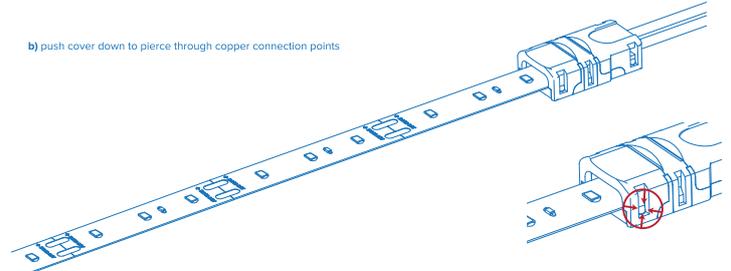For warranty information please visit **radiantlighting.com.au/warranty**

5. Using FAZE quick connectors:

a) Open shorter side of the connector and insert the strip all the way in, over copper spikes (if IP65, there is no need to remove silicon coating.)

b) Push the cover down and let the copper spikes pierce through PCB to enable connection. Make sure the cover is locked on both sides of the connector.

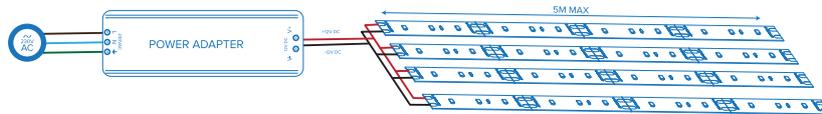**a)** open the connector and position the strip

b) push cover down to pierce through copper connection points

6. Wiring diagrams & connection options:
Even though each application of strip lights is different from the previous, it can be simplified to several installation methods.

a) Parallel connection: All strips are being wired back to single power adapter. This is ideal for scenarios when an installation has many short cuts of LED tape (shelving). Can also be used in situations with centrally located power supplies.

b) Serial Connection: Individual cuts of strips are being connected to a single power supply in series, linked with wires inbetween. Typically, this method is used when continued length of strip has to be split into several lengths in order to run wires through obstacles. Maximum continued run in series cannot exceed 5m (←1m tolerance)

c) Central connection: In the event that continued lengths of strip are required (no room for drivers), it is recommended to split them into 2x5m sections and supply power from a central point. Each strip will be taking an equal amount of current, preserving the lifespan of the strips and giving even light distribution.

Please note: Overheating can be caused & damage the first 1-2m of LEDs and FPC (flexible printed circuit-board) by connecting more than 5m of continuous length in series and without power connected on both ends. This is due to the high current flowing gthrough the length of the circuit.

Incase of any queries, please do not hesitate to contact our technical support team:
Email: techsupport@radiantlighting.com.au   Ph:1300 438 609

For warranty information please visit **radiantlighting.com.au/warranty**