



Lighting Kit

Installation instructions

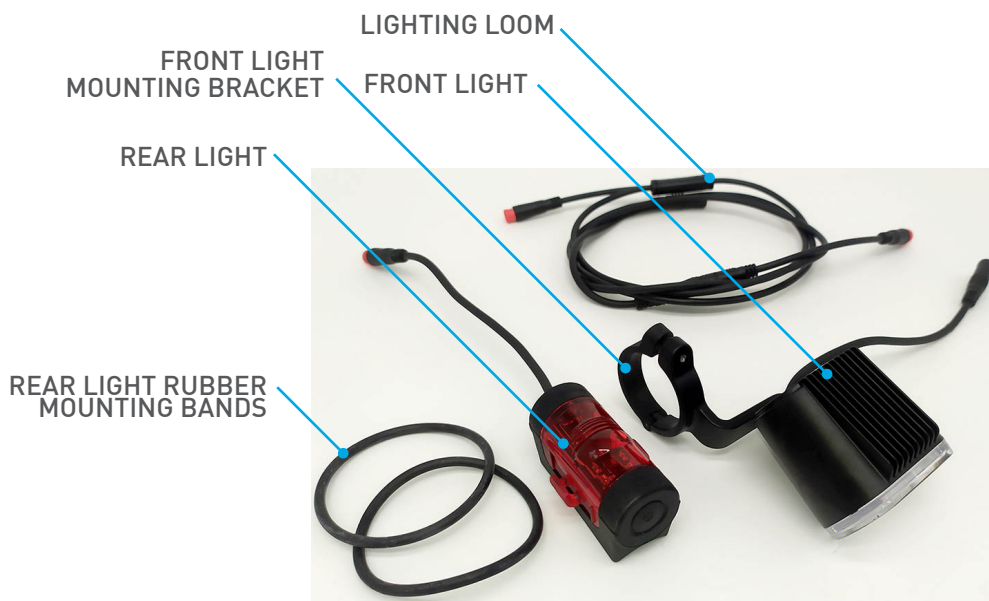
Kit Contents

Thank you for purchasing a Converted/Lekkie system lighting kit.

This lighting kit allows you to run lights off your main battery and control them from your system display.

In the kit you will find:

- 1x LED Front light
- 1x Front Light mounting bracket
- 1x LED Rear light
- 2x Rubber Mounting Bands
- 1x Lighting loom for Converted/Lekkie mid-drive systems
- 2x Rubber straps for smaller handlebars



Tools required:

- 2.5mm Allen Key
- 3mm Allen Key
- 8mm Socket or Ring Spanner
- Cable/Zip Ties

Additional parts that may be required:

- 2 pin extension cable/s

The system has been designed to fit as many different bikes as possible, however some may fit more easily than others. For cargo/long frame bikes, or if fitting the rear light on the rear of a rear carrier, it may be necessary to purchase an additional 2 pin extension cable.

Front Light fitment

The front light comes with a handlebar mounting bracket which is intended to fit centrally on the bar, clamping on the bar next to the stem clamp. For smaller diameter bars (25.4mm) the rubber straps will be required, for 31.8mm bars the clamp should mount directly.

Bar mounting

- Attach the mounting bracket to the front light using a 3mm allen key and 8mm spanner/socket.
- Remove the clamp screw (2.5mm Allen key)
- For narrow bars, wrap the rubber straps as required to the desired thickness.
- Fit the light and insert the clamping screw, adjust to the desired angle and tighten.
- The angle of the light can be adjusted separately by loosening the main screw on the underside of the lamp.

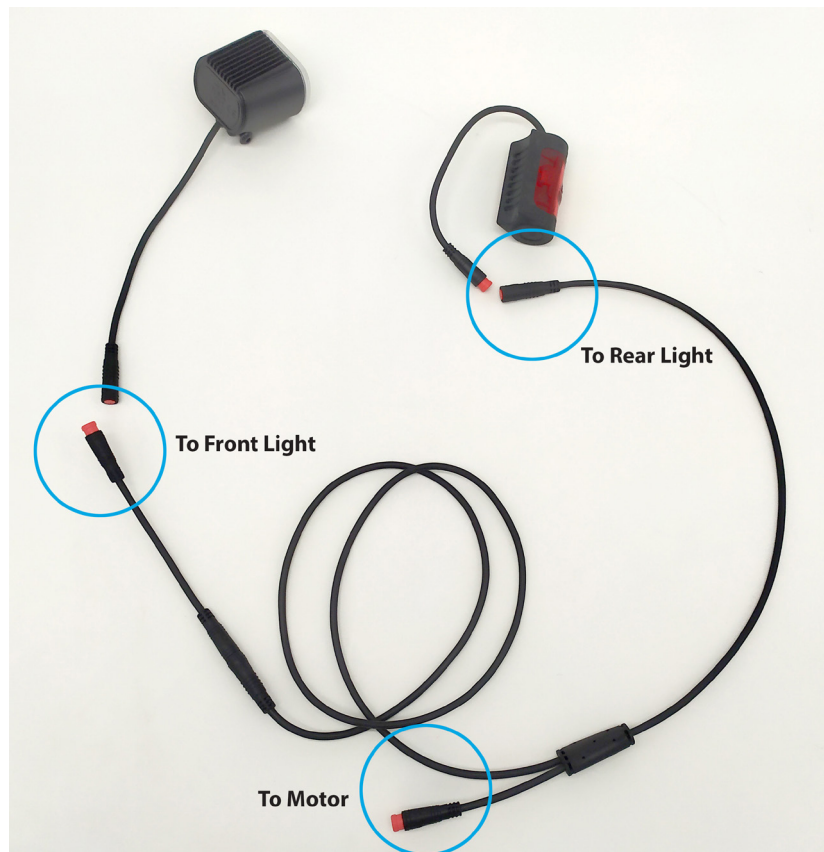


Rear Light Fitment

The rear light is intended to fit on the seatpost, however it's rubber band mounting system means it can be strapped on any solid member at the rear of the bike, on a rack/carrier, on the seat stay etc. If running a rear rack, we recommend mounting to the rear of the rack to avoid potential obstruction of the light.



Wiring



Lighting Loom

1. Locate the lighting output cable from the motor. This will be a small female plug with 2 pin red inner (it may have a protective cap fitted).
2. Connect the shortest male cable(centre) plug from the loom to the lighting output from the motor. The connectors are waterproof and can require a fair amount of pressure to seat fully, however be careful not to bend the two pins in the male connector, align the arrows(and inner notch/lug) on the rubber surround before inserting.
3. Route the cable on the frame (all bikes are different, find the best path avoiding pinch points), ensure it stays clear of all moving parts. Run the male connector cable (longest cable) through to the front of the bike, connecting to the front light (note connectors in pic above).
4. Run the cable with female connector up to the rear light. Generally up the rear of the seat tube.
5. Once satisfied cables will not be damaged by any components, use zip ties to secure as necessary. Ensure the front light cable allows for correct steering movement and the cable is not strained.

Controlling the Light

The light can be turned on/off using the main display. Holding down the + key (light symbol next to it) turns the light on/off. On some displays with a light sensor, the light will automatically come on when light levels trigger the display dimming.

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