



Lighting Kit

Installation instructions

Kit Contents

Thank you for purchasing a Converted/Lekkie system lighting kit.
This 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 White Front light
- Bar mount bracket(fitted)
- Fork mount bracket
- 4x Rubber Bar adapters for (22.2mm bars)
- 4x Rubber Bar adapters for (31.8mm bars)
- 1x LED Red Rear light with bracket
- 1x Plug-and-play Lighting loom for Converted/Lekkie mid-drive systems



Tools required:
Allen keys (3mm,4mm)
Side cutters (if using cable ties)
Spanners (bike dependant)

Additional parts that may be required:
Cable/zip Ties
2 pin extension cable/s

Fitment

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 extension cable.

Front Light fitment

The front light comes with two different bracket options. The bar mount bracket attaches to the bar in a central position (spanning the head clamp), and comes with two sized rubber mount adapters. For small diameter (22.2mm) bars fit the thick adapters, for 31.8mm bars run the thin adapters. This is the preferable position to maximise performance. Alternatively it can be mounted to the front fork of many bikes.

Bar mounting

- Remove the clamp screws (3mm Allen key)
- Place rubber inserts into the clamps/bracket based on bar diameter.
- Fit the light and insert the clamping screws, adjust to the desired angle and tighten.
- The angle of the light can be adjusted separately by loosening the main bolt on the underside of the lamp.

Fork mounting

- Remove the plastic bar bracket (4mm allen key) and replace it with the Metal wire bracket, reusing the bolt and nut.
- Attach the bracket to an appropriate mounting point on the fork. Note: Fasteners/mounting points will vary. Normally either an M5 or M6 screw is required. Many suspension forks have a threaded hole on the rear of the arch, rigid forks often have through holes in the centre.

Rear Light Fitment

The rear light is intended to fit on the seatpost clamp, however can also be mounted on other screw positions at the rear of the bike, on a rack/carrier, under the seat etc.

If running a rear rack, we recommend mounting to the rear of the rack to avoid potential obstruction of the light.

- Remove the seat clamp nut
- Fit the lamp via the metal bracket.
- The light can be mounted in any orientation.





Lighting Loom

1. Locate the lighting output cable from the motor. This will be a small plug with 2 pin red inner(it may have a protective cap fitted).
2. Connect the short male cable(centre) plug from the loom to the lighting output from the motor, align the arrows on the rubber surround before inserting fully.
3. Route the cable through the frame(all bikes are different), ensure it stays clear of all moving parts. Run the female connector cable through to the front of the bike, connecting to the front light (note connectors in pic above).
4. Run the cable with male connector up to the rear light.
5. Once satisfied cables will not be damaged by any components, use zip ties to secure as necessary.

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.

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