## LIGHT UP Your bike



## **Supplies**

- 3V button-cell lithium batteries
- 8mm neodymium disc magnets
- 5mm LED bulbs
- Vinyl electrical tape or strapping tape
- Wire cutters or scissors

## Directions

- Place (1) 5mm LED bulb alongside (1) 3V button-cell battery. (Notice that the wires of the LED are different lengths. The longer wire, or positive electrode/anode, should be connected to the positive terminal of the battery; the shorter wire, or negative electrode/ cathode should be connected to the negative terminal.) Using wire cutters or scissors, trim the LED wires to desired length, so that they do not extend beyond the end of the battery.
- 2. Slide the battery into position between the LED wires so that the LED illuminates. Bend the wires in order to maintain contact with the battery terminals and hold the battery in place.
- 3. Cut (1) piece of vinyl electrical or strapping tape 2-3" in length. Apply tape to one side of the battery to hold one wire in place.
- 4. To create a temporary off switch, cut (1) narrow strip of scrap paper approximately 1" in length. Insert the strip of paper between the battery and the exposed wire to prevent contact. (The LED should now be off).
- 5. Continue to wrap the remainder of the tape strip over the second wire.
- 6. Attach (1) 8mm magnet to the battery/LED assembly and cover with another wrap of tape.
- 7. When ready to use, remove the paper switch and affix to bicycle spokes or frame.



2525 Arapahoe Avenue, Boulder, CO 80302 (303) 443-1822 mcguckin.com