



Address:
2321GLADWICK STREET
RANCHO DOMINGUEZ, CA90220 USA
Telephone: (310) 667-8800
Fax: (310) 667-8808
E-mail: bqinfo@bioquip.com
Web: www.bioquip.com



2878 Larry's Lighthouse (Collector for Night Flying Insects)



The concept for Larry's Lighthouse was created by Larry Allen, an entomologist in Calaveras County, California. The collector is designed to be used with BioQuip's 15 watt black light, 2805, 2806 or 2806. The Lighthouse is designed to be mounted on a pole (provided) or hung on a branch or limb. Insects are drawn to the light, but end up on the outside surfaces of the collector. The user can then pick off desired specimens as desired. A slit in the side of the collector allows the user to place insects inside for temporary holding.

Parts List:

Lighthouse collector (1)	Ground spike (1)
Center pole (1)	Guy lines with cord locks (3)
Tent pegs (3)	Suspension chain (1)

(Collecting light not included)

Tools or Other Parts Needed:

Hammer for ground spike
Extra cord or chain to suspend collector if branch or suspension element is too high.
Collecting light. (This product is not suitable for use with mercury vapor lights)

Pole Mounted Set-up:

For pole mounting, softer or looser ground is not recommended. Installing the ground spike in firmer ground will help stabilize the pole and reduce the need to install guy wires for stabilization. Use a hammer or other appropriate tool to drive the ground spike into the ground, leaving the two plastic washers on the spike above ground level. Try to keep the spike as close to vertical as possible. This will keep the lighthouse straighter.

Connect the three center poles and slide end over ground spike. Insert the collecting light (tube only) through the bottom, center hole of the Lighthouse. Slide the center hole of the lighthouse over the pole. Install the top (5") segment of the pole on top. Slide the collector up the pole so that the open end of the Lighthouse is above the top of the pole.

Close the top of the Lighthouse by drawing the fabric closed with drawstring. Use cord lock to keep the top closed. Slide the Lighthouse over the top of the pole. There should be a small opening in the top of the Lighthouse that can slide over the center pole. The Lighthouse is kept from falling down the pole by the two brass lamp fittings at the top of the pole.

Hang the collecting light from the open loop at the end of the jack chain.

The Lighthouse is ready to use at this point. Ideally, the collector should be used without having guy lines deployed. Two conditions exist where guy lines should be used. These are when the ground is loose or does not adequately support the pole or when wind conditions make the unit unstable. To use the guy lines, one end of each line should be tied to the loops at the bottom of the Lighthouse. Tent pegs should be driven into the ground approximately three feet from the center pole. Push a loop of cord through the cord lock at the end not tied to the Lighthouse. The cord lock is used to make tension adjustments to the guy lines. The polypropylene tubes that give the Lighthouse its shape can be bent or distorted if the guy lines are tensioned too tightly. **If using guy lines please be careful to watch out for the lines while using the Lighthouse as a trip hazard will be created by the lines.**

Hanging Set-up:

When hanging the Lighthouse is preferred, the jack chain is used to suspend the unit. There is a key ring attached to the 36" jack chain. The chain is situated so that the Lighthouse top can be held in place by the key ring. Extra rope, chain or cord may be required if the element the Lighthouse is to be suspended from is higher than the length of supplied chain. The end of the chain has an open link that can be used to form a loop.

After situating the chain hanger, open the top of the Lighthouse just enough to get the chain and key ring inside. Tighten drawstring. The light tube is then inserted through the bottom of the Lighthouse and hung from the end of the jack chain. The Velcro tab system allows for closing the hole in which the light was passed. Guy lines can be used if needed. Installation of the guy lines can be accomplished as described above.

Servicing, Cleaning and Other Information:

Because the no-see-um fabric is made from nylon, leaving the Lighthouse exposed to the sun for long periods of time is not recommended due to UV exposure.

The polypropylene support tubes can be removed for washing of the Lighthouse. At the top and bottom of the side opening a coupling the keeps the tube ends together can be seen. Carefully disconnect one side and draw out the tubing. The tubing on the top is slightly longer than the bottom tube. Because of this please make sure the tubes are properly re-installed in the right places. The slit or opening on the side of the Lighthouse allows the user to temporarily place specimens inside for temporary holding.

The poles used in this product are virtually the same as net extension segments, 7312AB. Should you want the Lighthouse mounted at a higher elevation, 7312AB or 7312AA segments can be used.