

For technical assistance please call: 1-888-582-5850

### DESIGN LAYOUT



Start by determining and marking where each fixture is to be installed. Next, determine the sequence in which the main line will run.

The fixtures should run in sequence and the total wattage of each run should not exceed the transformer's circuit. Total wattage is determined by multiplying # of fixtures x wattage of bulb in fixtures. (9 lights with 7 watt bulbs,  $9 \times 7 = 63$ ). Refer to your specific transformer to determine the circuit's allowable wattage.

### TRANSFORMER 1



Using installation instructions provided with transformer, mount transformer to house and install main power feed line. This line should be a UV resistant, UL approved 12-2 low voltage line. Be sure main line is long enough to reach the first lighting fixture.

### TRANSFORMER 2



Drill a 3/8" hole through the deck surface and feed main line through to the under side of deck. Next, run the main wire to your first fixture. Secure the main wire using staples or cable tacks. Tip: For faster installation pre-wire the main run before decking is installed!

### SUPPLIES YOU WILL NEED

1/2" Drill  
Wire Tacks  
12-2 Low Voltage wire  
Silicone filled Wire Nuts

3/8" drill bit  
3" Fostner Bit  
Phillips Screw driver  
Flat head screw driver

### RECESSED 1



Determine where the fixture is to be installed and make a reference mark for drilling the 3" round hole. Tip: Measure from top of stair tread to bottom and divide this # in half and make a mark. Next, measure from left to right across stair tread and divide this # in half and mark. Center is where the two marks intersect.

### RECESSED 2



Next, carefully drill a 3" hole using a forstner bit (model # HP-990A) or hole saw. Hole must be drilled a minimum of 1 1/4" deep to accept back box. **WARNING: BE SURE AREA BEING DRILLED IS FREE OF NAILS OR SCREWS.**

### RECESSED 3



Drill a 3/8" hole all the way through the deck in the center of the 3" hole. Next, run the fixture wire through the 3/8" hole to underside of deck where wire connections will be made.

**NOTE:** If using Rectangular face plates, a 3/8" hole must be drilled to the left and right of the 3" hole to accept back box tabs. If using Square or Round face plates, tabs on the outside of 3" back box must be removed with a flat head screw driver.

**DO NOT** drill 3/8" side holes when using square or round face plates.

### RECESSED 4



Install back box by inserting into 3" hole and screwing through two slots in back of box or through two slots in side of box. Be sure box is installed straight or face plate will be crooked.

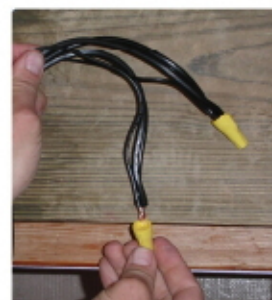
### RECESSED 5



Install face plate using finished screws provided.

**WARNING: HAND TIGHTEN FACE PLATE SCREWS UNTIL SCREWS ARE JUST SLIGHTLY SNUG OR GLASS FACE WILL BREAK.**

### RECESSED 6



Cut and snip fixture wire and (2) main wires to comfortable working length and connect with a UL approved silicone wire nut. Be sure at least 7/16" of copper wire is exposed and wire nuts are on securely. Loose connectors can arch causing fixture failure or fire.

**Note: Silicone filled wire nuts do not come with fixture. They can be purchased through us at 1-888-582-5850 or at your local Hardware/ Lumber supplier.**