



Deck & Landscape Lighting

INSTALLATION INSTRUCTIONS RECESSED LED FIXTURES

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

SUPPLIES YOU WILL NEED

1/2" Drill	3/8" Drill Bit
Insulated Wire Tacks	15/16" Paddle Bit
18-2 Low Voltage Wire	Silicone Filled Wire Nuts
Tape Measure	Pencil

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 fixtures. (10 lights @ .3 watts each, 10 x .3 = 3). 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 18-2 low voltage cable with a 100' max run and no more than 60 watts. If run is more than 100', use 16-2 or 12-2 wire to carry the load. For best performance install 12 lights maximum per run. Be sure main line is long enough to reach the first lighting fixture. When attaching the main wire line to the transformer, be sure to connect the Red lead wire to the ridged wire and the Blue lead wire to the smooth wire using UL approved silicone filled wire nuts.



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 insulated staples or cable tacks. Tip: For faster installation pre-wire the main run before decking is installed!

RECESSED 1



Determine where the fixture is to be installed and make a reference mark for drilling the 15/16" 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 thirds and mark (if installing 2 lights in one stair). Center is where the two marks intersect.

RECESSED 2



Next, carefully drill a 15/16" hole using a paddle bit 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



If 15/16" hole does not go all the way through, drill a 3/8" hole all the way through the deck in the center of the 15/16" hole. Next, run the fixture wire through the 3/8" hole to underside of deck where wire connections will be made.

RECESSED 4



Install light by inserting into 15/16" hole and press firmly until faceplate of unit is against fascia/step material.

RECESSED 5



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. Connect the fixtures Red wire to the Ridged main wire and the Black wire to the Smooth main wire **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.**