

## TWIG LITE & WALKWAY LITE HALOGEN LUMINAIRES INSTALLATION INSTRUCTIONS

**NOTE:** THESE INSTRUCTIONS MUST NOT CONTRAVENE YOUR LOCAL ELECTRICAL AUTHORITY REGULATIONS, WITH WHICH ALL INSTALLATIONS HERE IN MUST COMPLY. PLEASE KEEP INSTRUCTIONS FOR FUTURE REFERENCE.

**CAUTION:** For fittings that are installed in concrete, water drains down the inside of the pole from the grill at the top. Ensure there is an exit for water to drain from the bottom of the pole to avoid water building up inside the pole.

Remove the head of the luminaire and run the cable up the pole leaving enough cable hanging out of the top of the pole to work on. Place a piece of wood that has a 26mm hole drilled in it over the pole and slide it down so that it sits on top of the ice cream container and holds the pole in a vertical position. Mix up a slurry of concrete and pour into container - recheck that the pole is vertical and leave until concrete is set. When concrete is set wire the Twig Lite head to the transformer secondary cables. A waterproof connection must be made using heavy walled adhesive lined heat shrink. Refit head onto the pole using the stainless steel grub screw.

To install lamp, hold the copper sleeve at the base of the glass, and at the same time carefully rotate and pull out the bottom copper bung from the glass tube. Fit the halogen capsule into lamp holder and replace by carefully rotating and pushing the copper bung back into the glass tube. Replace the head assembly back into the copper pole and fit stainless steel grub screw.

### Recommendation:

It is recommended that high quality lamps are used when replacing lamps.

### HALOGEN CAPSULE CHANGING

**CAUTION:** Make sure that the power to the luminaire is switched off before attempting to change the lamp. Beware of hot luminaire and lamp. Make absolutely sure when changing lamps that the correct wattage lamp is installed.

**WARNING:** Do not touch halogen capsule with bare fingers, leave plastic bag over the capsule & push into the lamp holder. Then remove plastic bag before switching fitting on. Maximum Wattage 20 G4 Halogen Capsule.

To change lamp, hold the copper sleeve at the base of the glass at the same time carefully rotate and pull out the bottom copper bung from the glass tube. Fit the halogen capsule into lamp holder and replace by carefully rotating and pushing the copper bung back into the glass tube.

Replace the head assembly back into the copper pole and fit stainless steel grub screw.

**Stainless Steel Maintenance:** To maintain the finish of 316 stainless steel it is recommended to wash the luminaire with fresh water from time to time to stop salt and corrosive elements building up. If tea staining appears, a commercially available stainless steel cleaner is recommended to remove this. Electro polishing is recommended in this situation but the fitting will still require regular maintenance. Even an electro polished stainless steel fixture under an eave or roof will suffer from the build up of salt deposits as it will not be washed away by rain.

## TWIG & WALKWAY LITE RETRO™ HALOGEN LUMINAIRES INSTALLATION INSTRUCTIONS

**NOTE:** THESE INSTRUCTIONS MUST NOT CONTRAVENE YOUR LOCAL ELECTRICAL AUTHORITY REGULATIONS, WITH WHICH ALL INSTALLATIONS HERE IN MUST COMPLY. PLEASE KEEP INSTRUCTIONS FOR FUTURE REFERENCE MUST BE INSTALLED BY A LICENCED ELECTRICIAN

**CAUTION:** Do not insert the fitting too far into the ground. Maximum depth must not exceed 180mm (7"). Ensure that all line voltage connections are well above ground level inside the pole.

Make a slurry of concrete, make sure the conduit is protruding out of the concrete slurry and there is at least 500mm of cable protruding out of the conduit. Unscrew the grub screws and remove the bottom section of tube below the lamp holder section and push it into the concrete slurry over the conduit and pull the cable through the tube. Make sure that there is concrete in the bottom of the pole and that the pole is vertical before the concrete sets. There must be concrete in the bottom of the tube to stop moisture build up. Unscrew the orange PVC connection on the bottom of the lamp holder section and slide it over the 230/240 volt supply cable. Connect the phase (active) wire to the RED wire of the luminaire and neutral wire to the BLACK wire of the luminaire. Screw the orange PVC connection back onto the orange nipple of the luminaire and fit the lamp holder section onto the tube using the stainless steel grub screws provided.

**WARNING:** We recommend when connecting to photocells and timers that the outputs of these devices be a relay output and not an electronic output. This is due to the high frequency output of these devices which can lead to failure of the internal driver.

**DO NOT** connect in close proximity to inductive loads. eg. air conditioning systems, water pumps etc. without appropriate mains filtering. Use a suppression interface module for every six luminaires connected to the circuit.

**DO NOT** carry out a Megger or insulation test on a circuit with a luminaire connected to it.

**DO NOT** connect to a circuit that has an electronic soft start motor starter on it.

**DO NOT** connect to any Electronic Home Automation System without checking with that Systems Manufacturer that it is suitable for the control of this HUNZA™ fixture.

**DO NOT** water blast/jet wash this fixture under any circumstances.

**NOTE:** Due to the nature of electronics, the ambient temperature of the installation location must be considered carefully as the luminaire may not operate reliably at temperatures below -8°C (18°F).

### HALOGEN CAPSULE CHANGING

**CAUTION:** Make sure that the power to the luminaire is switched off before attempting to change the lamp. Beware of hot luminaire and lamp. Make absolutely sure when changing lamps that the correct wattage lamp is installed.

**WARNING:** Do not touch halogen capsule with bare fingers, leave plastic bag over the capsule & push into the lamp holder. Then remove plastic bag before switching fitting on. Maximum Wattage 20 G4 Halogen Capsule.

To change lamp, hold the copper sleeve at the base of the glass at the same time carefully rotate and pull out the bottom copper bung from the glass tube. Fit the halogen capsule into lamp holder and replace by carefully rotating and pushing the copper bung back into the glass tube.

Replace the head assembly back into

the copper pole and fit stainless steel grub screw. It is recommended that high quality lamps are used when replacing lamps.

