

**FOR USE ONLY WITH LOW VOLTAGE LANDSCAPE POWER UNITS THAT DO NOT EXCEED 25 AMPS, 15 VOLT MAXIMUM.**

**WARNING:** Luminaires must be installed in accordance with the National Electrical Code (NEC) and local codes. Failure to do so will void the warranty and may result in serious injury and/or damage to the luminaire.

**SAFETY WARNING:** Luminaire can become very hot depending on lamp wattage used. Lens and metal around lamp can become hot enough to blister hands. Particular care should be taken not to locate luminaires where small children can reach them if high wattage lamps are used.

**LUMINAIRES ARE NOT TO BE INSTALLED WITHIN 10 FT. (3.05M) OF A POOL OR SPA. SECONDARY CABLE IS NOT TO BE BURIED MORE THAN 6". WHEN USING MULTIPLE LUMINAIRES, LOAD IS NOT TO EXCEED THE TOTAL WATTS OF TRANSFORMER RATING. DO NOT USE EXTENSION CORDS ON POWER UNITS.**

**NOTE:** Always use UL recognized wire connectors for connections.

**NOTE:** Save these instructions for future reference.

**LUMINAIRE IS UL LISTED FOR BELOW GRADE INSTALLATION ONLY.**

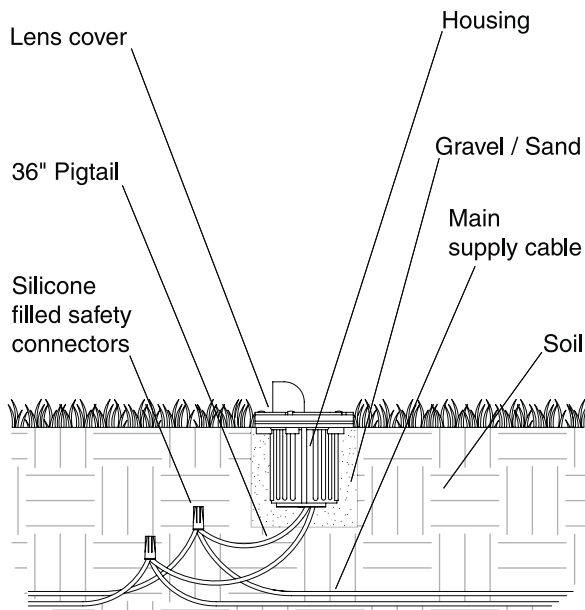


## In-Grade Soil Installation:

### LUMINAIRE MOUNTING:

**PRECAUTION:** Luminaire is not submersible and adequate drainage must be provided during installation. It is recommended that the luminaire be surrounded by 3" to 4" of pea gravel or sand to assure proper drainage. Top of luminaire must be above grade so rain and irrigation water can not accumulate for long periods of time.

1. To prevent electrical shock, disconnect transformer from electrical supply before installation or service.



2. Dig hole approximately 10" diameter by 8" deep. This allows approximately 3" of pea gravel or sand to surround the luminaire housing.
3. Strip the (2) leads from the luminaire pigtail wire. Using the two (2) silicone filled safety connectors (provided), connect the leads from the luminaire to the electrical supply wire leads.

**NOTE:** Luminaires are supplied with 36" of 18-2 cable pigtail for secure connection to the electrical supply cable. The wire is to be protected by routing in close proximity to the luminaire. The wiring shall be buried a maximum of 6 inches (15.2 cm) in order to connect to the electrical supply wire.

4. Install luminaire in hole and backfill hole after installation with pea gravel or sand.
5. Provide power to luminaire and check for proper operation.

### LED FIXTURE INSTALLATIONS:

For each low-voltage LED luminaire, the Vista-designed electronic driver ensures the LED operates at the intended Lumen output while receiving voltage as low as 6, and as high as 15 VAC for balanced lumen output from the first fixture to the last, with no voltage drop issues to affect your installation. Also, instant-start functionality with full color, 100% light, and cold-start capability down to -40 degrees Celsius.

**NOTE:** The operating voltage range for LED fixtures is 6-15V AC. Exceeding the maximum voltage (15V) could result in damage to internal components and void the manufacturer warranty.

## Concrete Pour Installation:

**NOTE:** Due to the temperature requirements in the wiring compartment, UL listed THHN stranded copper electrical wire is recommended for electrical supply wires.

continued on next page...

**LUMINAIRE MOUNTING:**

1. To prevent electrical shock, disconnect transformer from electrical supply before installation or service.
2. Dig hole approximately 10" diameter to a depth suitable to make top of fixture flush to 1/8" above grade. Pea gravel or sand is recommended for seating the luminaire housing to aid positioning.
3. Install JBCP-150 concrete mounting guard making sure the top edge of the ring lines up with the top edge of the lens cover. Secure side bands to the bottom of fixture with #10 screws provided. (Side bands of JBCP-150 may be bent outward to adjust the fit of the top ring.)
4. Remove lamp assembly and wiring compartment cover, exposing conduit entry holes.
5. Install conduit through 3/4" NPT holes in bottom of luminaire using Teflon tape or other thread sealant. Using plug (provided), seal unused conduit entry if required.

**NOTE:** UL listed flexible conduit is recommended for in and out connections to ease fixture position and adjustment during installation.

6. Support luminaire in selected position using standard masonry procedures.

**NOTE:** When installing in concrete, JBCP-150 must be flush to 1/8" above grade to promote water runoff.

7. Pull electrical supply wires (line in) through conduit and luminaire. Pull wires long enough for manual connections with safety connectors (4" to 6" above the top rim of luminaire). See fig. 3.

**NOTE:** Due to the temperature requirements in the wiring compartment, UL listed THHN

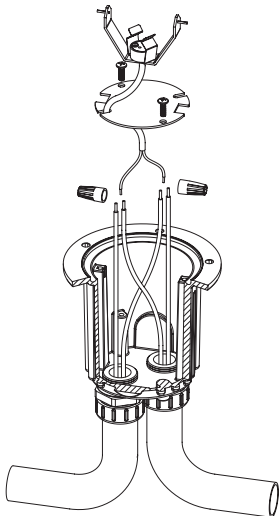
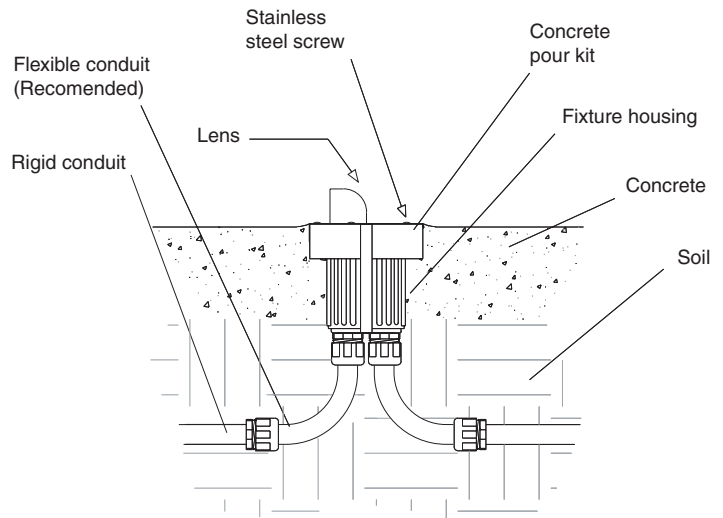


fig. 3



stranded copper electrical wire is recommended for electrical supply wires.

8. Make wire connections to luminaire as required using the safety connectors provided.
9. Coil wire leads along bottom of fixture and close wiring compartment as shown in fig. 4.
10. Pour concrete at least 2" thick.
11. Install lamp with correct wattage and type marked on the fixture label and set lamp at desired aiming angle.
12. Replace silicone rubber gasket, lens, and cover, and tighten screws evenly.

**NOTE:** Failure to remove all dirt and debris from gasket sealing surface may cause leakage and

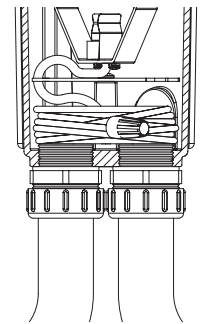


fig. 4

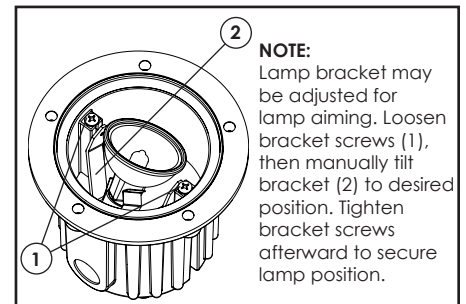
**LAMP INSTALLATION/REPLACEMENT:**

**IMPORTANT SAFETY INSTRUCTIONS  
THE LIGHTED LAMP IS HOT!!**

**WARNING: TO REDUCE THE RISK OF FIRE, OR INJURY TO PERSONS:**

1. Turn off/unplug and allow to cool before replacing lamp.
2. Lamps get hot quickly! Contact only switch/plug when turning on.
3. Do not touch hot lens, guard or enclosure.
4. Keep lamp away from material that may burn.
5. Do not touch the lamp at any time. Use a soft cloth. Oil from the skin may damage lamp.
6. Do not operate luminaire fitting with a missing or damaged cover.

**SAVE THESE INSTRUCTIONS**



**NOTE:** Lamp bracket may be adjusted for lamp aiming. Loosen bracket screws (1), then manually tilt bracket (2) to desired position. Tighten bracket screws afterward to secure lamp position.

**CAUTION:** Do not exceed maximum wattage marked on luminaire label.

1. To prevent electrical shock, disconnect transformer from electrical supply before service.
2. Loosen cover screws and remove cover.
3. Remove gasket.
4. Replace lamp with correct wattage and type marked on fixture label.

- NOTE:** DO NOT touch Halogen lamp with bare hands. Always use soft cloth or the plastic wrapping (if available) from the lamp to handle the lamp.
5. Clean gasket and channel and re-install gasket.
  6. Re-install cover and tighten the cover screws evenly.