

### Installation Instructions

**Important: This fixture is designed for use with low voltage landscape power systems and MR16 lamps (maximum 57 watts).**

#### WARNING:

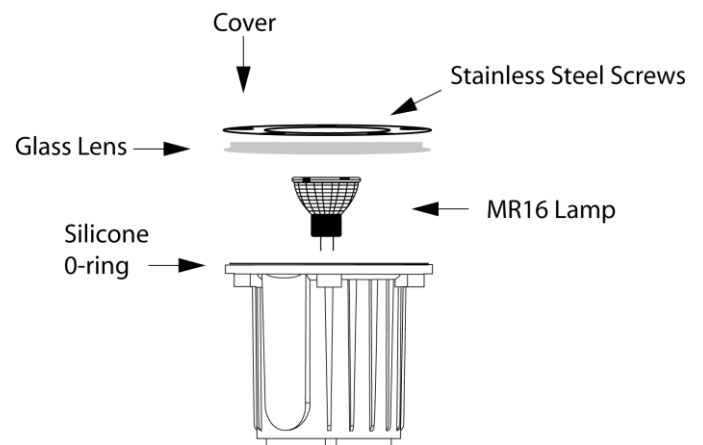
This fixture must be installed in accordance with the National Electric Code and local code specifications. Failure to follow these codes and installation instructions will void the warranty and may result in serious injury and/or damage the fixture. When using multiple fixtures, do not exceed the total wattage load as specified by the transformer rating. This product is designed for in-ground use only. Keep these installation instructions for future use.

#### IMPORTANT SAFETY WARNINGS

This fixture and its lamp may become very hot, very quickly. Turn the fixture off and give it sufficient time to cool before handling the fixture or the lamp. Do not touch a hot lamp, lens, or surrounding housing until it has cooled. Maintain a safe distance between the lamp and combustible items. Regularly clear debris from the top of the fixture. Oil from the skin may damage/reduce the lamp's effectiveness. Do not handle the lamp with bare hands - always use a cloth when handling the lamp. Install the fixtures no less than ten feet (3.05m) from pools, spas, or fountains to minimize risk of electric shock. Always use UL listed wire and wire connectors for connections.

#### LAMP INSTALLATION/REPLACEMENT INSTRUCTIONS

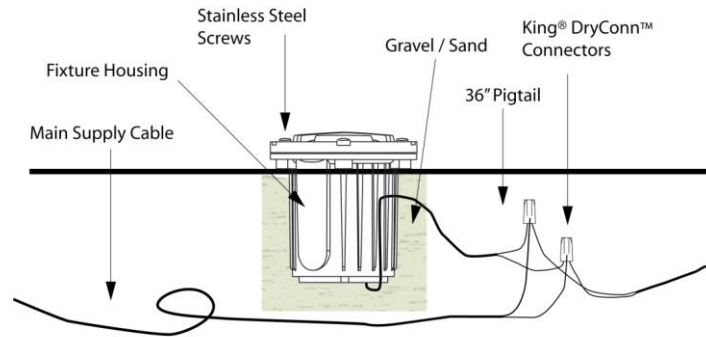
- 1) Prior to installing or servicing this product, disconnect the transformer from the main power supply.
- 2) Remove the five cover screws from the cover.
- 3) Remove the cover and the glass lens from the fixture.
- 4) Insert an MR16 lamp (maximum 57 watt) into the lamp socket.
- 5) Thoroughly clean debris from the silicone o-ring and the lens.
- 6) Replace the silicone o-ring and the glass lens on the fixture. Lens must be placed on the housing as shown in Figure 1. Failure to do so reduces the effectiveness of the watertight seal and may result in water damage to the internal components of the fixture.
- 7) Reattach the cover to the fixture by tightening the five screws gently and evenly. Do not over tighten.



**Important:** Do not attach the cover screws too tightly into the cover. Allow a very small space between the cover and the housing. Attaching the cover too tightly to the housing may damage the glass lens.

**IF THE FIXTURE IS NOT YET INSTALLED, PROCEED WITH FIXTURE MOUNTING INSTRUCTIONS BELOW.**

**Reminder:** To prevent damage to the lamp, do not handle the lamp with bare hands. Do not operate the fixture with the lamp exposed.



**FIXTURE INSTALLATION INSTRUCTIONS**

- 1) Prior to installing or servicing product, disconnect the transformer from the main power supply.
- 2) Dig a hole 10 inches in diameter and 8 inches deep. This additional space allows the fixture to be surrounded by 3 inches of gravel or sand, which significantly improves drainage.
- 3) Strip the two fixture pigtail wires.
- 4) Holding the fixture in one hand, gently place the pigtail lead wire up the side of the fixture and place it in the wire groove on the side of the fixture.
- 5) Attach the two fixture leads to the two main supply cable leads using the two provided King® DryConn™ waterproof connectors. Please note that the fixture wiring should be buried no deeper than six inches to ensure connectivity to the main supply cable.
- 6) Backfill the hole with approximately three inches of gravel or sand before inserting the fixture.
- 7) Install the fixture in the hole and backfill the remainder of the hole with gravel or sand. Make sure that the fixture cover is just above ground level.
- 8) Reconnect the transformer to the main power supply. Turn on the power to the fixture and verify proper position and operation.

**Notes:**

**Avoid placing the fixtures in low-lying areas that experience water accumulation. Do not substitute tree bark, pine straw, mulch, etc. for the gravel/sand that surrounds the fixture. Insulation materials such as these can cause the fixture to overheat and will void the manufacturer warranty.**

**LED INSTALLATIONS**

Most Halco MR16 ProLED lamps have an operating voltage range of 10-18 volts AC. Please verify the lamp's allowable voltage range listed on the product packaging. Operating MR16 ProLED lamps with voltage greater than its specified range may damage the internal components of the LED and voids the manufacturer warranty. ProLED lamps maintain light output, full color, and instant start capabilities to temperatures down to -20 degrees Celsius. MR16 ProLED lamps will operate at the desired light output with voltage down to the lower listed voltage and up to the higher listed voltage, providing balanced light output from the fixture located closest to the transformer to the fixture located furthest from the transformer.