E9 SERIES

LAMP TYPE: **MR16 LED, GU5.3 bi-pin base – Maximum 7.5 Watts**
LED module – Maximum 7.5 Watts

SUITABLE FOR: ***INDOOR USE • WET LOCATIONS • COMBUSTIBLE SURFACES***
IN-GROUND • CEILING MOUNTING • RECESSED IN WALL

CAUTION — RISK OF FIRE. Verify that power is OFF before installing this fixture.

USE ONLY CLASS 2 POWER SUPPLY OR TRANSFORMER.
DO NOT INSTALL INSULATION WITHIN 3 in. / 76 mm OF ANY PART OF THE LUMINAIRE
FOR REPLACEABLE LIGHT BULB MODELS, MAKE SURE TO NOT EXCEED THE RATED WATTAGE.
WHEN INSTALLING IN A CEILING, CEILING MUST BE COVERED.

WARNING — RISK OF ELECTRIC SHOCK. This product must be installed in accordance with the applicable installation code by a person familliar with the construction and operation of the product and the hazards involved. Failure to do so may result in serious personal injury or death.

This is a low-voltage fixture for use with maximum 25A, 15V power units only. A remote transformer is required. Do not overload the transformer by installing or relamping with higher wattage lamps that together exceed the capacity of the transformer.

BEACHSIDE LIGHTING HONOLULU

CSA Listed
File # 190030
www.BeachsideLighting.com
808-405-6732

US

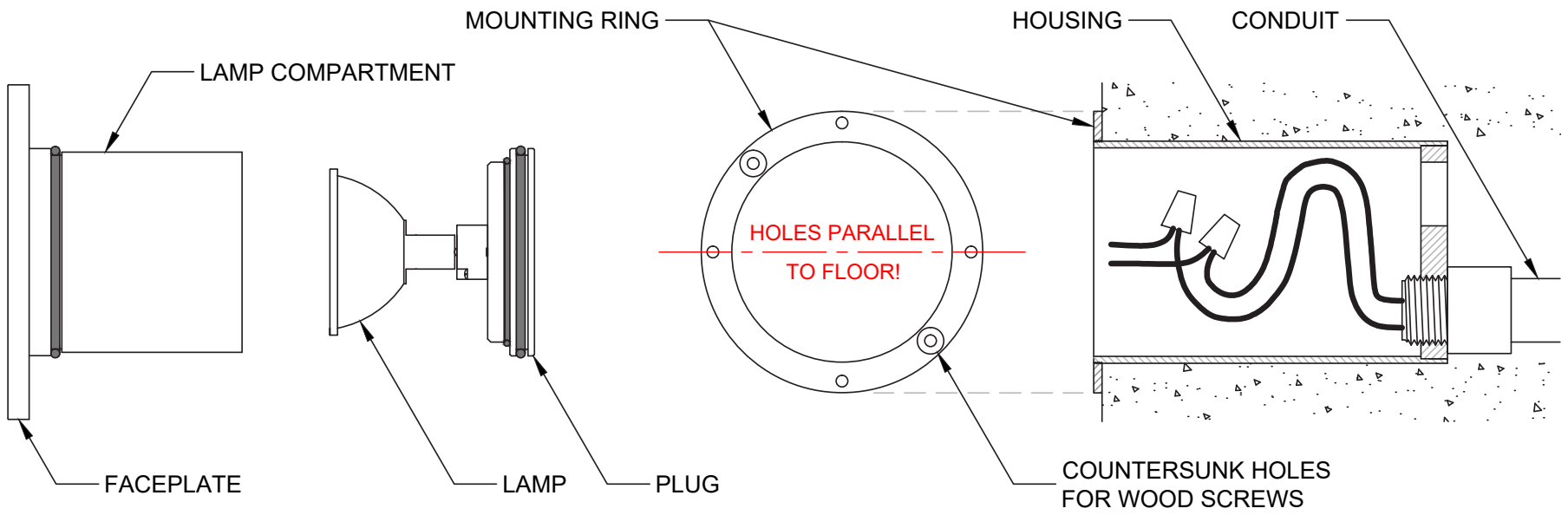
SURFACE INSTALLATION - HORIZONTAL OR VERTICAL (no concrete ring)

1. Use a 2-5/8” core drill to create a void in existing masonry or wood. (See Figure 1)
2. Make sure unused holes in Housing assembly are plugged. Insert the Housing assembly into hole until the brass Mounting Ring contacts the mounting surface. **Mounting Ring must be flat against the FINISHED SURFACE. THREADED holes in Mounting Ring must be parallel to floor or vertical surface being uplit**. The use of construction adhesive around the Housing is necessary to secure the Housing in concrete.
3. For installation in wood, use the supplied wood screws in the countersunk holes to fasten the Ring.
4. Attach 1/2” PVC conduit fittings as necessary, install conduit, and run supply wires, leaving them long enough to stick out past the mounting surface.
5. Verify that the power to the fixture is off and use silicone-filled wire nuts (supplied) to join the fixture leads to the power supply wires. Use silicone or electrical tape around the wire nuts to ensure proper connection.
6. Push the connections into the Housing, followed by the Faceplate/Lamp Compartment assembly, and fasten the brass Faceplate to the Mounting Ring using a 5/16” hex wrench.

RECESSED INSTALLATION - VERTICAL (with concrete ring)

1. Establish fixture location and attach 1/2” PVC conduit fittings and conduit as necessary. Plug any unused hole. (See Figure 2)
2. Run supply wires, leaving them long enough to stick out past the Concrete Ring.
3. Position the copper Housing assembly so that **the end of the Concrete Ring will be flush with the FINISHED SURFACE. THREADED holes in Concrete Ring must be parallel to vertical surface being uplit.**
4. Tape over the Concrete Ring to keep the Housing free of debris.
5. Pour concrete and allow 24 hours to cure.
6. Verify that the power to the fixture is off and use silicone-filled wire nuts (supplied) to join the fixture leads to the power supply wires. Use silicone or electrical tape around the wire nuts to ensure proper connection.
7. Push the connections into the Housing, followed by the Lamp Compartment, and fasten the brass Faceplate to the Concrete Ring using a 5/16” hex wrench.

Figure 1 ***(E9-SQ shown)***



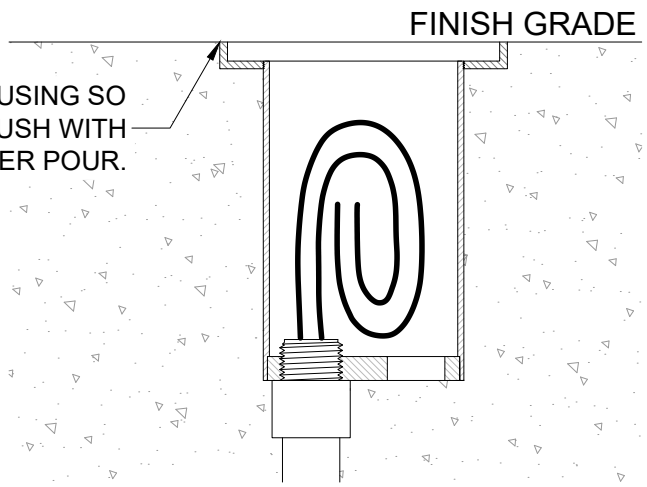


Figure 2
(E9-R shown)

RECESSED INSTALLATION - HORIZONTAL (with concrete ring and form)

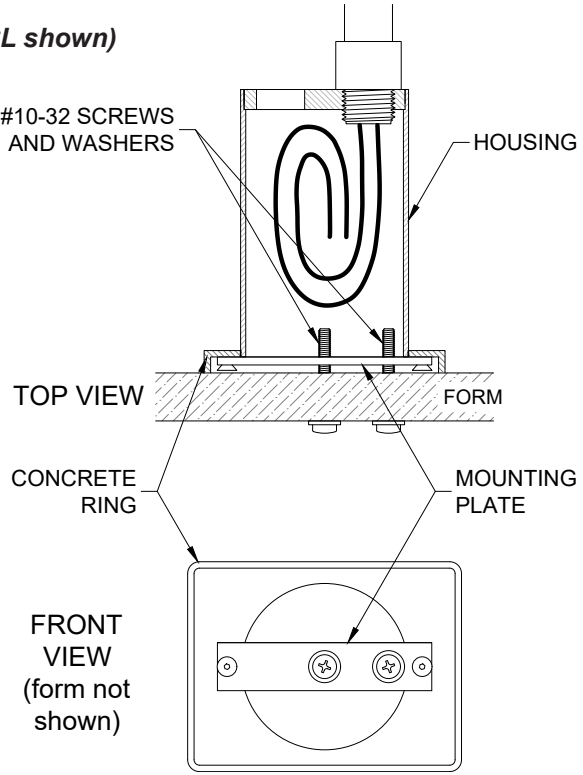
The following instructions include the optional Mounting Plate, used to secure the Housing assembly to the back of a form for a poured concrete wall. (See Figure 3)

1. Establish and mark the center of the fixture on form. Center the Plate on that mark, level it, and mark the second hole 1" to the side of the center hole. Drill 7/32" holes through the form at the two marks.
2. Attach Mounting Plate inside Concrete Ring using the #6 x 1/4" screws.
3. Attach 1/2" PVC conduit fittings as necessary, install conduit, and run supply wires, leaving them long enough inside the Housing to stick out past the Concrete Ring. Plug any unused holes.
4. If there will be a finish applied to the concrete (e.g., stucco), remove material to create a recess in the back of the form to the depth of the surface finish for the Concrete Ring to fit into.
5. Insert #10 screws with washers through the form from the outside and thread them into the holes in the Plate, pulling it tight against the inside of the form. **THREADED holes in Concrete Ring/ Mounting Plate must be parallel to floor.**
6. Pour concrete and allow at least 24 hours to cure. **Remove the #10 screws securing the Housing before removing form.**
7. Remove the Mounting Plate from the Concrete Ring.
8. Verify that the power to the fixture is off and use silicone-filled wire nuts (supplied) to join the fixture leads to the power supply wires. Use silicone or electrical tape around the wire nuts to ensure proper connection.
9. Push the connections into the Housing, followed by the Lamp Compartment, and fasten the brass Faceplate to the Concrete Ring with the #6 x 3/8" flat head screws using a 5/16" hex wrench.

LAMPING - MR16

1. Make sure power to fixture is off.
2. Use 5/64" hex wrench to remove Faceplate screws.
3. Pull Faceplate/Lamp Compartment assembly out from copper Housing.
4. Unscrew brass Lamp Compartment cylinder from rear brass Plug, exposing the lamp. Do not separate the Faceplate from the cylinder (see Figure 1).
5. Pull straight up to remove old lamp from socket.
6. Holding replacement lamp at its base, align pins with holes in socket and insert fully.
7. Apply silicone grease to o-ring behind threads and reinstall Lamp Compartment onto Plug.
8. Apply silicone grease to Plug o-ring and reinsert Faceplate/Lamp Compartment assy. into Housing.
9. Fasten Faceplate with screws removed in Step 2.

Figure 3 ***(E9-RCL shown)***



LAMPING - LIGHT ENGINE

This fixture has a long-life LED Module that should not need replacement for years. However, if a Module fails or technology improves and a new one is desired, replacements are available from Beachside Lighting (808-263-5717). Once received:

1. Follow Steps 1 - 4 in "Lamping - MR16" above.
2. Disconnect fixture leads from supply wires.
3. Use a sharp instrument to pull out red silicone plug used as a wire guide from inside the brass Plug. It must be removed from the Plug and off the wires to allow them to turn freely.
4. Unscrew the LED Module from the Plug.
5. Feed lead wires of the replacement Module through Plug and screw Module onto Plug.
6. Push wires through silicone guide and reinsert guide into the Plug.
7. Apply silicone grease to o-ring behind threads and reinstall Plug into Lamp Compartment.
8. Use new silicone-filled wire nuts to reconnect fixture leads to supply wires.
9. Apply silicone grease to Plug o-ring and reinsert Lamp Compartment assembly into Housing.
10. Fasten Faceplate.

CHANGING OPTICS (LIGHT ENGINE ONLY)

1. Follow Steps 1 - 4 in "Lamping - MR16" to expose the LED Module.
2. Unscrew the round cap on the end of the Module that surrounds the optic.
3. SINGLE CHIP: Carefully remove old optic and replace with new one. Be sure that the small silicone gasket recessed in the channel at top of Module remains in place.
   TRIPLE CHIP: Lift the edge the optic and remove. Carefully install new optic by aligning the three support posts on the optic with the three holes in the face of the LED board. This will be aided by three tabs on the outer edge of the optic matching up with three recesses on the rim of the Module.
4. Screw the cap back onto the Module.
5. Follow Steps 7 - 9 in "Lamping - MR16" to reassemble fixture.