MB4 12V

LAMP TYPE: LED Module, Maximum 12 Watts
GU5.3 MR16 self-ballasted LED, Maximum 10 Watts

Fixture may be installed less than 5 ft (1.5 m) from the inside walls of a pool, spa, or fountain when supplied by listed transformers or power supplies that comply with NEC 680.23(A)(2).

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. Protect the fixture wiring by routing in close proximity to the luminaire or fitting, or next to a structure like a house or deck. Do not bury except for a maximum 6 inches (15.2 cm) to connect to the main low-voltage cable. Trim fixture wires so connection is made within 6 inches (15.2 cm) from a building structure, luminaire, or fitting. Contact Beachside Lighting below to order main low voltage cable and accessories.

- FOR USE WITH LANDSCAPE LIGHTING POWER SUPPLY ONLY
- THIS DEVICE IS ACCEPTED AS A COMPONENT OF A LANDSCAPE LIGHTING SYSTEM WHERE THE SUITABILITY OF THE COMBINATION SHALL BE DETERMINED BY THE LOCAL INSPECTION AUTHORITIES HAVING JURISDICTION
- DO NOT CONNECT TWO OR MORE POWER SUPPLIES IN PARALLEL
- LANDSCAPE LIGHTING SYSTEMS ARE FOR OUTDOOR USE ONLY
- NOT FOR USE IN DWELLING UNITS
- A LUMINAIRE SHALL NOT USE TUNGSTEN HALOGEN LAMPS UNLESS THE LUMINAIRE IS MARKED FOR SUCH LAMPS

INSTALLATION on BRASS SURFACE BOX (BSB)

1. For mounting to concrete, skip to Step 5.
2. When mounting to a wooden surface, use the Mounting Collar to mark locations of the three mounting screws and hole(s) for the supply wiring.
3. Drill holes for wires as needed and drill pilot holes at the marked screw locations using a 15/64” drill bit.
4. Secure the Mounting Collar with supplied 3/8” lag screws using a 9/16” socket/wrench. Proceed to Step 10.
5. Dig a hole at desired location at least 12” diameter x 12” deep and run conduit as necessary for power supply wires, using the Mounting Collar for positioning. Conduit should stick up above top of concrete 1/4”. (Figure 1)
6. Fill hole with concrete. Double-check conduit location with Mounting Collar.
7. Once concrete is set, place Mounting Collar over conduit and mark locations for the three mounting holes.
8. Use a 5/8” masonry bit to drill a minimum 2-1/2” deep hole at each marked location and tap in the supplied lag shields.
9. Secure the Mounting Collar with supplied 3/8” lag screws using a 9/16” socket wrench.
10. Pull supply wires and verify they are not energized.
11. Feed the wire leads from the fixture through the top of the BSB Cover, apply threadlock to the Base threads, and screw the Cover tightly onto the 1/2” threads in the bottom of the fixture.
12. Use silicone-filled wire nuts to join fixture leads to supply wires. Use silicone or electrical tape around wire nuts to ensure proper connection.
13. Slide the fixture with the Cover attached straight down over the Mounting Collar.
14. If the fixture is equipped with the Half Shield, orient the fixture so the light shines in the desired direction. Alternately tighten the three set screws in the Cover with a 1/8” hex wrench.

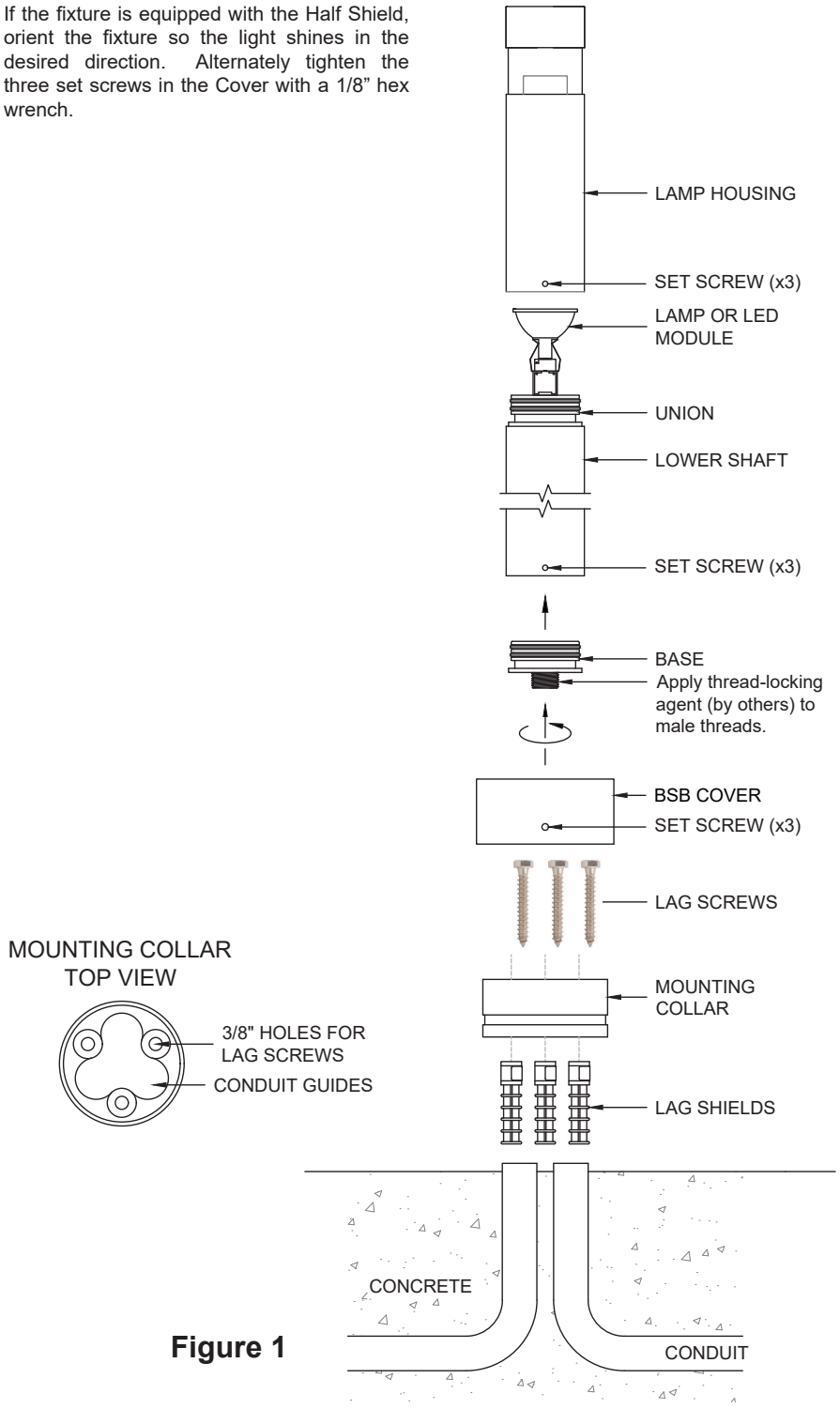

Figure 1

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INSTALLATION on JUNCTION BOX (JB)

1. Dig a hole at desired location at least 12” diameter x 12” deep and run conduit as necessary for power supply wires. Position the Junction Box (JB) so that the bottom of its Cover will be above grade after the concrete is poured. (Figure 2)
2. Plug unused holes and ensure all fittings are watertight.
3. Fill hole with concrete, making sure JB is level and that its Cover will be above grade.
4. Once concrete is set, remove Cover using a 5/32” hex wrench and pull the supply wires. Verify they are not energized.
5. Feed the wire leads from the fixture through the top of the JB Cover and gasket, apply threadlock to the Base threads, and screw the Cover tightly onto the 1/2” threads in the bottom of the fixture.
6. Use silicone-filled wire nuts to join fixture leads to supply wires. Use silicone or electrical tape around wire nuts to ensure proper connection.
7. Push the connections into the JB and reattach the Cover/fixture assembly.
8. If the fixture is equipped with the Half Shield, it can be aimed by loosening the three set screws at the base of the Shaft (or Lamp Housing if not equipped with a lower Shaft) with a 3/32” hex wrench. Aim the fixture as desired and alternately retighten the set screws.

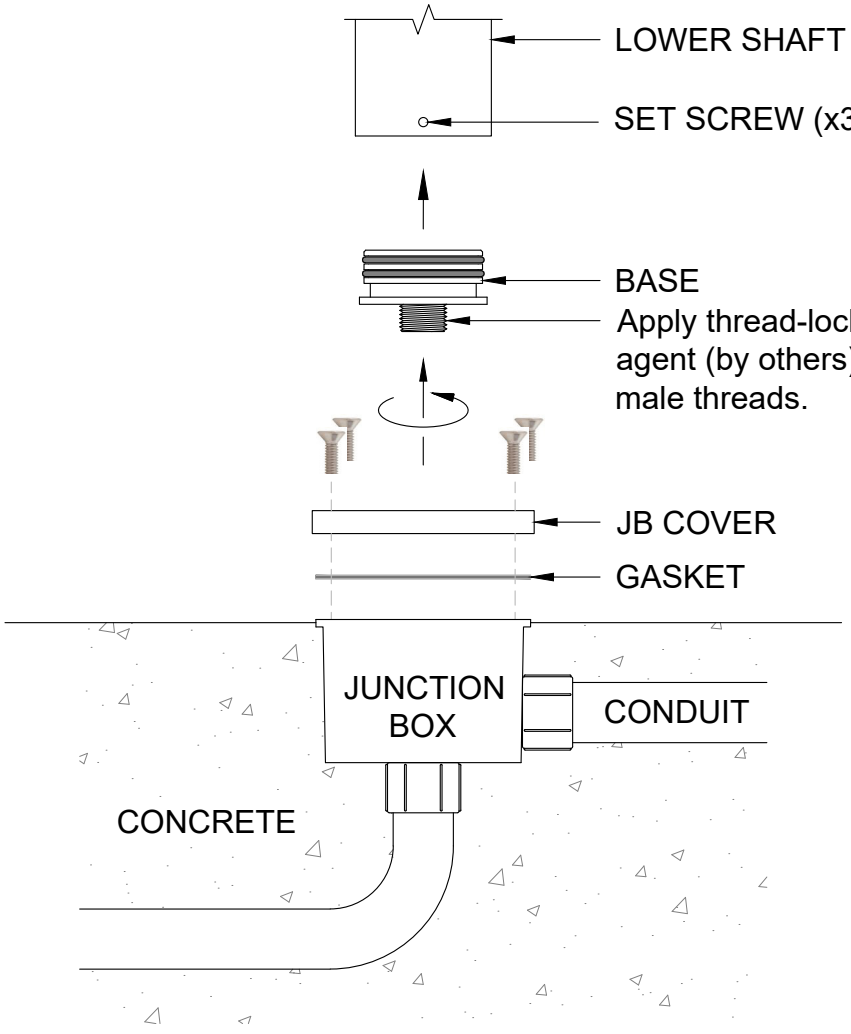


Figure 2

INSTALLATION on GROUND SPIKE (GS2BC)

Mounting on ground spike is only recommended for the 9” version of the MB4. Taller versions require use of the BSB or JB mounting accessories.

1. Dig a hole at desired location roughly 10” diameter x 18” deep and route the supply wires coming from the power source to the hole, entering it near the bottom. (Figure 3)
2. Remove the Brass Cap from the Ground Spike by removing the screw from the side of the Cap.
3. Feed the supply wire into the bottom of the Spike and out through the top while placing the Spike into the hole.
4. Refill the hole while keeping the Spike vertical. Position the Spike so that the bottom of its Cap will be at grade when the hole is completely filled.
5. Feed the wire leads from the fixture through the top of the Cap, apply threadlock to the Base threads, and screw the Cap tightly onto the 1/2” threads in the bottom of the fixture.
6. Use silicone-filled wire nuts to join fixture leads to supply wires. Use silicone or electrical tape around wire nuts to ensure proper connection.
7. Feed the wires and connectors into the top of the Spike while replacing the Cap/fixture assembly onto the Spike. Align the holes and fasten the Cap to the Spike with the screw removed in Step 2.
8. If the fixture is equipped with the Half Shield, it can be aimed by loosening the three set screws at the base of the Lamp Housing with a 3/32” hex wrench. Aim the fixture as desired and alternately retighten the set screws.

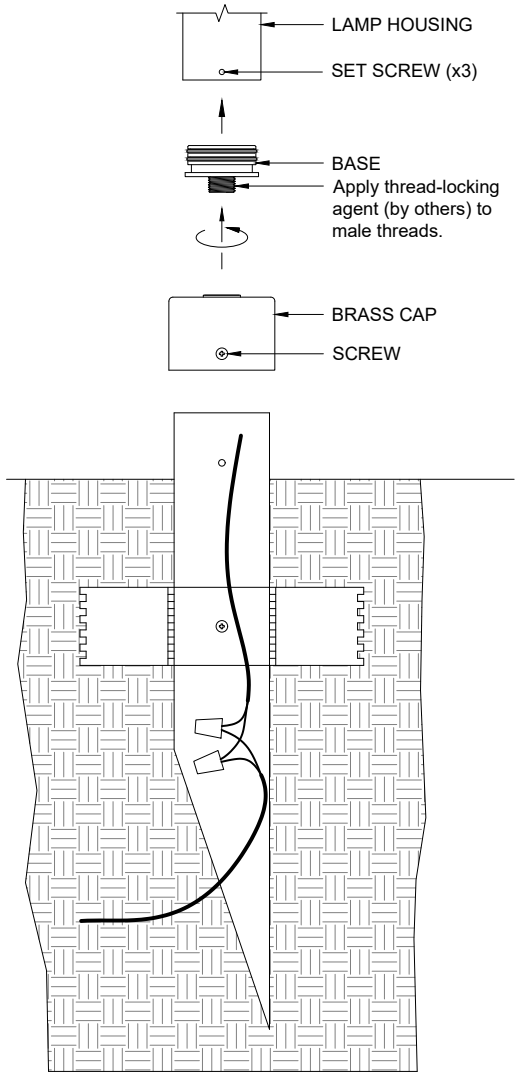


Figure 3

LAMPING – MR16

1. Make sure the power to the fixture is off.
2. To access the lamp compartment, loosen the three set screws at the bottom of the Lamp Housing with a 3/32” hex wrench and slide it straight up to remove, exposing the Lamp. (Figure 1)
3. Grasp the Lamp at its base and pull straight up to remove from socket.
4. Holding the new Lamp at its base, align its pins with the holes in the socket and push straight down.
5. Reinstall the Lamp Housing. Apply a grease appropriate for use on silicone o-rings to the o-rings if necessary.
6. Alternately tighten all three set screws.

LAMPING – Integrated LED Module

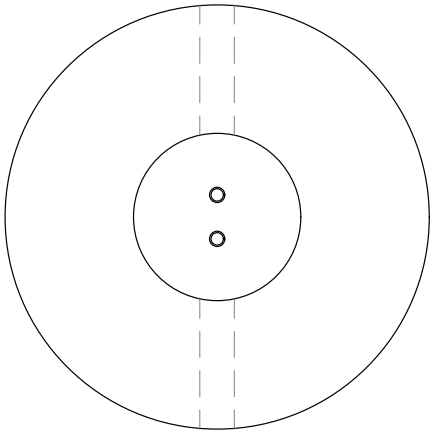
This fixture has a long-life LED Module that should not need replacement for years. However, if a Module fails or technology improves and a new one is desired, replacements are available from Beachside Lighting (808-263-5717). Once received:

1. Make sure the power to the fixture is off.
2. Loosen the three set screws at the bottom of the Lamp Housing with a 3/32” hex wrench and slide it straight up to remove, exposing the LED Module.
3. Loosen the two set screws at the base of the LED Module with a 5/64” hex wrench. (Set screws are recessed and may not be visible.)
4. Pull straight up on the module to remove from socket.
5. The set screws are aligned with the pins inside the Module. Use them as a guide to align the pins with the terminals in the Socket. (Figure 4) Properly installed Module will sit flat on the Base. Tighten both set screws to secure Module.
6. Replace the Lamp Housing and alternately tighten the set screws.

BEACHSIDE LIGHTING
HONOLULU
808-405-6732
www.BeachsideLighting.com

CSA US

CSA Listed, file # 190030



BOTTOM VIEW

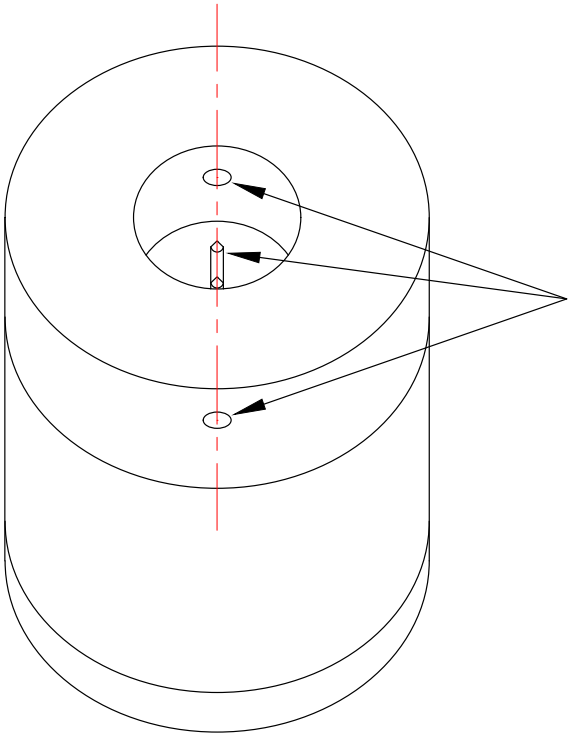


Figure 4