

# E16-S

**LAMP TYPE: 7, 8, or 11-Watt LED Module, Maximum 12 Watts**

## **SUITABLE FOR INDOOR USE**

*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 familiar 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.

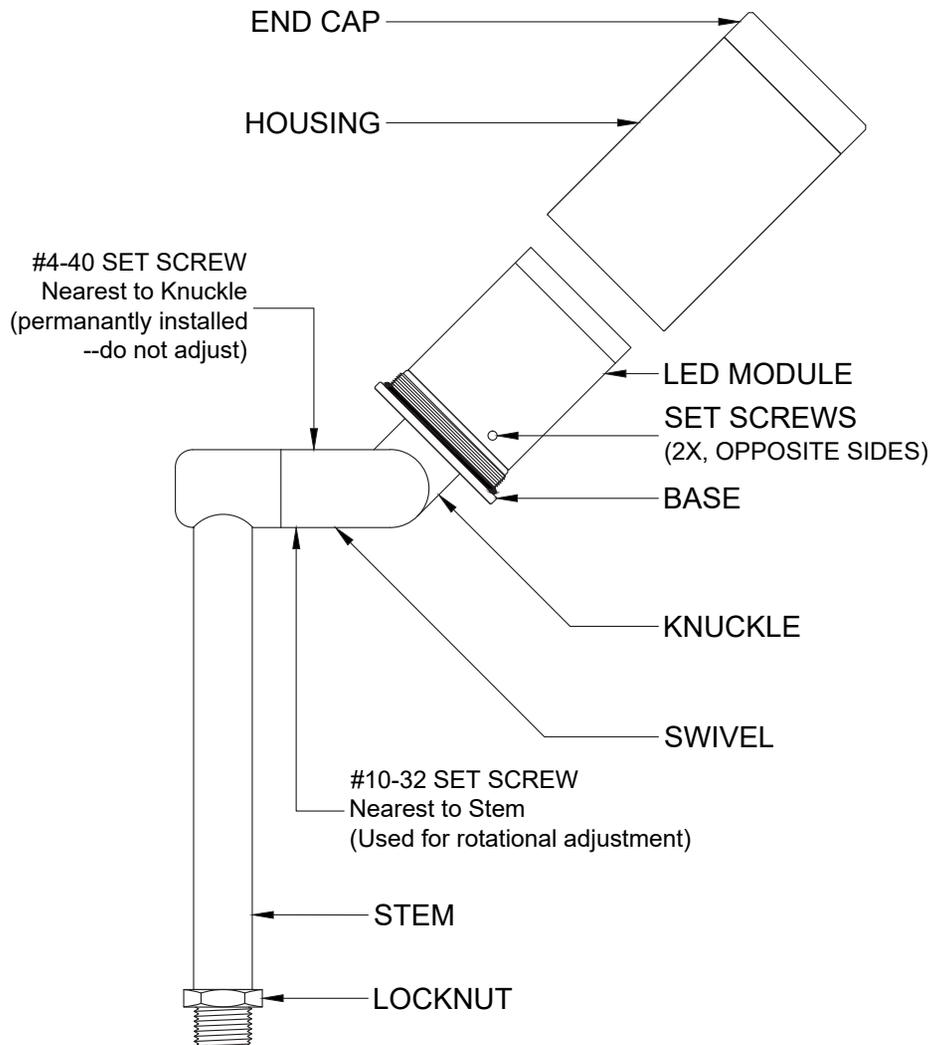
## **INSTALLATION**

This fixture is to be mounted to an anchored junction box or in-ground mounting spike.

1. Verify that the power is off.
2. Feed the wire leads from the fixture through the Locknut (if not already attached) and junction box or ground spike Cover.
3. Thread the Locknut fully onto the Stem and then thread the Stem into the Cover.
4. Note the direction the fixture will face when the Cover is attached. Aim the fixture and tighten the Locknut down tight to the Cover.
5. Use silicone-filled wire nuts to join fixture wires and wires from power source. Use silicone or electrical tape around wire nuts to ensure proper connection.
6. Push the connections into the junction box or ground spike and attach Cover.
7. The fixture head can be angled by loosening the bolt in the Knuckle with a 5/32" hex wrench, and rotated by loosening the larger set screw in the Swivel with a 3/32" hex wrench. (The smaller set screw in the Swivel closest to the Knuckle end is permanently installed and should not be loosened.)
8. Aim fixture head to achieve desired illumination effect.
9. Once aimed, tighten the bolts loosened in Step 7.

## **CHANGING OPTICS**

1. With the power off, turn the Housing counterclockwise to unscrew it from the Base. (The Endcap assembly is permanently attached to the Housing. Do not attempt to unscrew this piece.)
2. Unscrew the small, round cap that surrounds the optic on the end of the Module.
3. Remove the old optic and carefully replace with new optic. Be sure that the small silicone gasket recessed in the channel at top of Module remains in place.
4. Screw the cap back onto the Module and the Housing back onto the Base.



**CSA Listed, File # 190030**  
[www.BeachsideLighting.com](http://www.BeachsideLighting.com)  
800-405-6732



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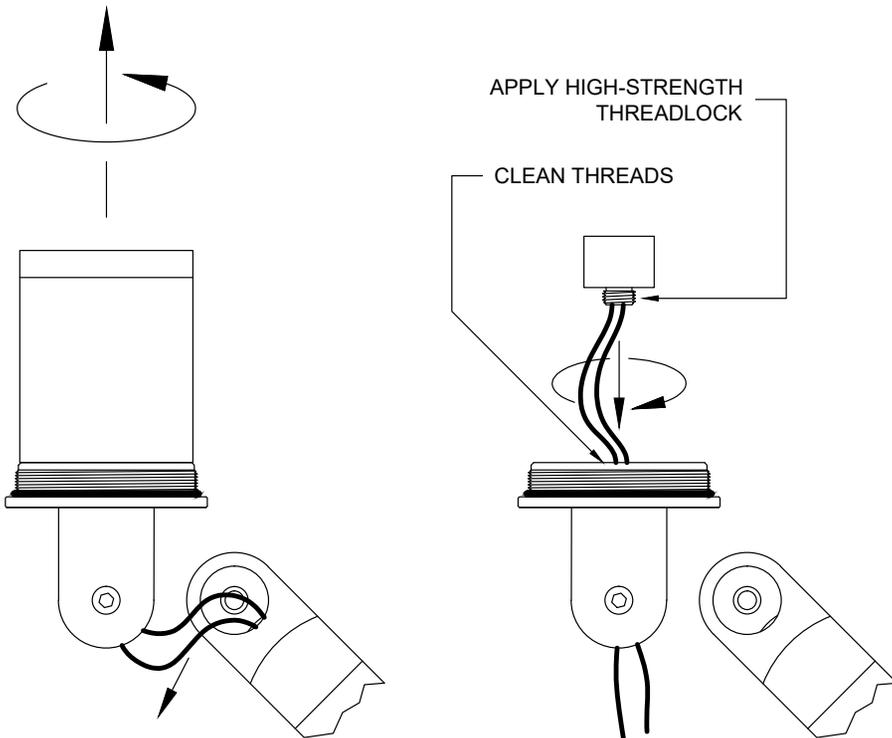
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## LED MODULE REPLACEMENT

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 directly from Beachside Lighting (800-405-6732).

(If your product was shipped before 2021, see next section for replacement instructions.)

1. Verify that power to fixture is OFF.
2. Unscrew Housing from Base by turning it counterclockwise. (Lens/Endcap assembly is permanently attached to the Housing—do not attempt to unscrew.)
3. Loosen 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. Properly installed Module will sit flat on the Base.
6. Tighten both set screws to secure Module.



## For product shipped before 2021:

Your new LED Module fastens with set screws to the brass Socket Adapter. To retrofit the new module design to a pre-2021 fixture, your replacement Module package includes a new Socket Assembly (Socket + Socket Adapter).

1. Verify that power to fixture is OFF.
2. With fixture still attached, remove Cover from junction box or ground spike.
3. Disconnect fixture wires from supply wires. Attach a length of wire or string to the ends of the leads to aid in fishing the new leads through the Swivel and Stem. It must be long enough to stick out past the bottom of the Stem and the Swivel.
4. Unscrew Housing from Base by turning it counterclockwise. (Lens/Endcap assembly is permanently attached to the Housing—do not attempt to unscrew.)
5. Remove bolt in the Knuckle with 5/32" hex wrench and separate the halves, pulling the wires up through the Stem and out the Swivel, making sure some the guide wire remains exposed at the bottom of the Stem. Detach the guide wire.
6. Unscrew Module 4-5 revolutions to remove from the Base. This will result in the wires getting twisted between the Module and the silicone guide in the Knuckle. Untwist the wires once the Module is freed from the Base and pull them through the silicone guide. Push the silicone guide out the end of the Knuckle and save.
7. Clean female threads in Base to remove all old silicone.
8. Feed leads from new Socket Assembly through Base and Knuckle and **apply high-strength threadlock on the male threads of the Socket Adapter.**

9. Screw Socket Assembly into the Base, allowing wires to spin freely. Push wires through silicone guide, slide guide up the wires, and reinsert guide into the Knuckle.

10. 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. Properly installed Module will sit flat on the Base. Tighten both set screws to secure Module.

11. Screw Housing back onto Base, adding lube compatible with silicone rubber to the o-ring as needed.

12. Join the Module leads to the guide wire and pull them through the Swivel and Stem, carefully feeding the wires in at the top while pulling from the bottom. Do not **just** pull on the wires to avoid scraping them along the edge of the Stem inside the Swivel. Remove the guide wire.

13. Orient wires so there is one on either side of the bolt in the Knuckle and leave enough slack so the Knuckle can be angled for aiming. Carefully rejoin Knuckle halves using the bolt removed in Step 5, making sure the wires are safely in the cavity and not being pinched.

14. Use silicone-filled wire nuts to join fixture wires to the power source wires.

15. Reattach the Cover to the junction box/ground spike and ensure fixture head is aimed properly.

NOTE: Set screws are aligned with the pins. Use set screws as a guide to align pins with mating terminals in socket.

