

Q-Lite[™] Revealing a better way

Tools Needed for Installation:
1/4" Nut driver, Small flat blade screwdriver

IMPORTANT SAFETY INSTRUCTIONS

Q-Lite should be installed by a qualified, licensed electrician. Modifying the product or altering the product voids UL Certification Listing. Failure to follow these instructions could result in death, bodily injury, fire, or electrical shock.

- Wet location rated only when cover is closed
- Min. 90°C Supply conductors
- For indoor use only
- For use only on walls or ceilings
- Connect fixture to 120 volt, 60 Hz power source. Any other connection voids warranty
- Q-Hub ETL Listed, Conforms to UL Std. 5A, Certified to CAN/CSA C22.2 #62.1
- Max 40W, Type A Lamps

MOUNTING THE Q-HUB

Inboard Mounting

WARNINGS

- Must use supplied mounting screw (#9-15x2", 1/4" Hi-hex w/shoulder & EPDM bonded washer) or equivalent.
- If using any other screw type, care must be taken to seal around screw head in interior of junction box with an appropriate sealant to ensure a watertight seal.
- Failure to follow these instructions voids wet location rating of junction box and may damage wires.

NOTE: Q-Hub must be attached to a structural part of the building, such as a rafter

1. Ensure bonded washer is present on supplied screw.
2. Position Q-Hub onto mounting surface.
3. Secure Q-Hub to mounting surface by running supplied screw in until bonded washer is compressed and makes a watertight seal.
4. Ensure screw is properly seated to make a watertight seal as shown in Figure 1.
5. If desired, a second screw can be used in alternate boss that is provided inside junction box. When using a second screw, ensure watertight seal is made either by adding silicone (or equal) or using screw with bonded rubber washer.
6. If pre-installed mounting screw is removed from box to use outboard mounting, seal hole in box with appropriate material, such as silicone, to ensure a watertight seal.



Figure 1 - Inboard Mounting

Outboard Mounting

NOTE: Outboard mounting screws are not provided. Q-Hub must be attached to a structural part of the building, such as a rafter

1. Position Q-Hub onto mounting surface.
2. Secure Q-Hub to mounting surface using locations provided on Q-Hub as shown in Figure 2.
3. It is recommended to use an appropriate screw for the environment, with a shoulder large enough to avoid any slip through the mounting locations.

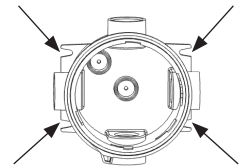


Figure 2 - Outboard Mounting Locations

Conduit Openings

WARNING

- All unused openings must be plugged with a UL Approved adapter.

Two conduit openings are intentionally left open to provide the fastest install. If more openings are needed, simply knockout the plug in the Q-Hub using a screwdriver or another tool, as shown in Figure 3. When using knockout feature, ensure knockouts are smooth and free of burrs or other sharp edges that may damage wires.

Nonmetallic fittings can be used in the conduit openings, but they must be a UL approved fitting. In order to maintain a watertight seal, installing a watertight UL approved fitting is required. Only glues stated in this instruction manual (under "Gluing" section) should be used.



Figure 3 - Conduit Openings



WIRING THE Q-LITE FIXTURE

1. Turn off power at main fuse or circuit breaker before installing or servicing.
2. Attach conduit to Q-Hub and pull wire leads to the box. (Refer to "Conduit Openings" section and "Gluing" section)
3. Tie cord into a knot and push tight to the inside of the Q-Cover and lock nut of the cable gland. Ensure knot is sufficient enough as to prevent pull through of the wire if pulling on the socket itself.
4. Connect the white supply wire (neutral) to the white fixture wire using a wire connector (sold separately).
5. Connect the HOT (usually black) supply wire to the black fixture lead (120V) using a wire connector (sold separately).
6. Cap and insulate any unused wire leads.

Attaching the Q-Lite to the Q-Hub

1. Verify O-ring is in place and secured in gasket groove in Q-Hub, as shown in Figure 4. An O-ring that is removed and/or not properly secured in groove may cause water ingress inside Q-Hub.



Figure 4 - O-ring in place & secure

2. Make sure O-ring is free from any debris, as this can compromise proper compression of the O-ring resulting in a leak point.
3. Determine the desired length of socket cord by loosening the cable grip and pulling the cord through the grip in the desired direction. When satisfied with the cord length, tighten the cord grip hand tight so as to create a water proof seal against the wire outer jacket. Test the grip by pulling on the wire, if properly tightened you should not be able to pull the wire through the grip.
4. Position Q-Lite cover so alignment arrows line up. Alignment arrows are located next to the locking tab on the cover plate and next to the locking hole of the Q-Hub outer-upper rim. The cover should seat completely into Q-Hub when lined up properly and as described.

5. Lock Q-Lite in place by grasping it at the finger notches and turning it while holding onto the Q-Hub, clockwise until a click is heard and it is locked in place. You should feel and likely hear them lock into place. Verify Q-Lite is locked into place by trying to remove the cover counter-clockwise. Figure 5

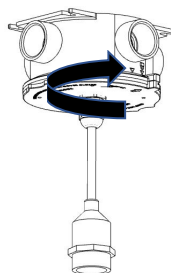


Figure 5 - Twist lock Q-Lite onto Q-Hub

6. Install a E26 medium screw base lamp of 40 Watts or less. Do not overtighten lamp. It is recommended the lamp be properly rated for the environment in which it is placed in. The Q-Lite will not make a dry location lamp wet location. Use of a damp or wet location lamp is recommended when used in water or moisture prone areas.

WARNING

- Always use or replace bulb with the same wattage or lower wattage than required. Installing a bulb of higher wattage could create a fire hazard. Using higher wattage bulbs will void the warranty.
7. Turn on the main power at the main fuse/breaker box.

Gluing

WARNING

- Use of an unapproved glue may result in connection failure and voids all safety certifications

To ensure proper adhesion and seal, use the approved glues (or equivalent) listed below:

- Oatey All Purpose Cement #30821 For use with PVC, CPVC & ABS
- Oatey ABS to PVC Green Transition Cement #30900
- Oatey Purple Primer #30756 For use with CPVC & PVC
- Oatey Heavy Duty Gray PVC Cement
- Oatey Rain-R-Shine Medium Blue PVC Cement

Cleaning and Maintenance

WARNING

- Ensure fixture temperature is cool enough to touch. Do not clean or maintain fixture while fixture is energized.

1. Turn off power at main fuse or circuit breaker before installing or servicing.
2. Clean Q-Hub or Q-Lite parts with non-abrasive cleaning solution or soap and water.
3. Always use or replace lamp with the same wattage or lower wattage than required. Installing a bulb of higher wattage can create a fire hazard. Using higher wattage bulbs will void the warranty of the Q-Lite.

Removing the Q-Lite

1. Turn off power at main fuse or circuit breaker before installing or servicing.
2. Remove Q-Lite from the Q-Hub by placing a screwdriver into the slot of the locking mechanism and prying the cover counter-clockwise until released from the lock. Figure 6

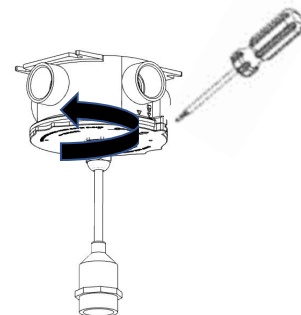


Figure 6 - Removing Q-Lite