



**KIM LIGHTING**

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**LTV767**  
**LTV768**




## Mini-Vault LTV767 / LTV768 - LED Installation Instructions

### INSTRUCTIONS PERTAINING TO A RISK OF FIRE OR INJURY TO PERSONS

#### IMPORTANT SAFETY INSTRUCTIONS!

 **WARNING:** Fixtures must be grounded in accordance with local codes or the National Electrical Code. Failure to do so may result in serious personal injury. All work should be done by a qualified electrician.

 **SAFETY WARNING:** Fixtures can become very hot depending on the lamp wattage used. Glass lenses and metal areas above and around the lamp can become hot enough to blister hands. Particular care should be taken not to locate fixtures where small children can reach them if higher wattages are used. Do not use these fixtures in submersible installations such as fountains or swimming pools.

**MAINTENANCE:** To maintain light efficiency and prevent fixture overheating, glass lenses and enclosures must be kept clean and free of dirt, dust, leaves, trash and mineral deposits from water. For optimum performance a regularly scheduled maintenance program should be followed. **DO NOT** operate luminaires with missing or damaged lens.

**CAUTION:** L.E.D. fixtures are available in 120 volt input or 277 volt input. Please verify before wiring fixture to field wires (see lamp label to verify). **KEEP THIS SHEET FOR FUTURE REFERENCE.**

- CAUTION:**
- ▼ To help maintain a clean, dry splice compartment, seal the conduit entries with RTV.
  - ▼ Do not exceed maximum wattage shown on fixture label.
  - ▼ Make certain all electrical supply is **OFF** before starting fixture installation.

#### Tools Required:

- Flat Head Screwdriver     Phillips Screwdriver     3/16" Hex Wrench     Thread Sealant     RTV Sealant

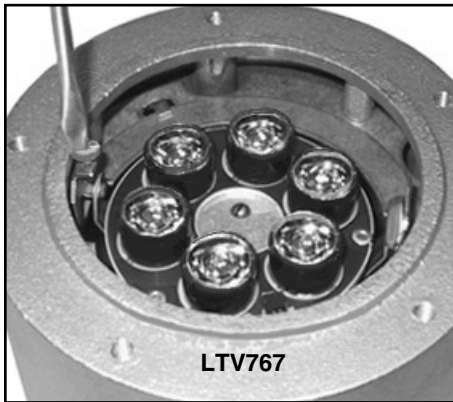
#### INSTALLATION STEPS #1 THRU #4 ARE TYPICAL FOR LTV767 AND LTV768.



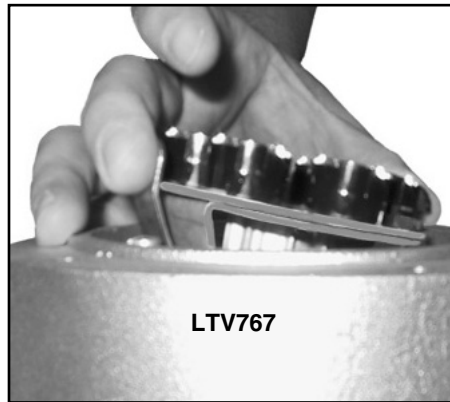
1. Excavate hole in desired location approximately 12" in diameter and about 3" deeper than height of fixture. Connect housing to conduit system using a good thread sealant.
2. Backfill hole with sand/gravel and soil for stability. Do not backfill hole with bark or vermiculite. (May be installed in concrete, for paved area installation use Trim Ring, part no. TR60).
3. To open fixture, remove five (5) allen head cap screws, lens frame, lens and gasket.

# Mini-Vault LTV767 / LTV768 LED Installation Instructions

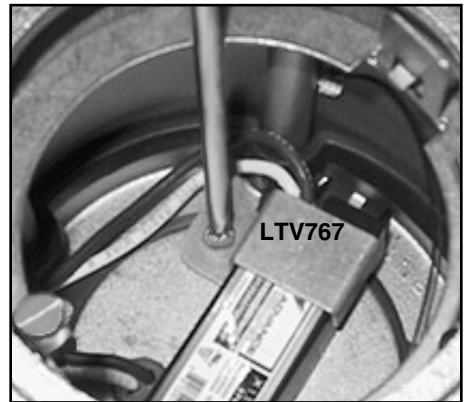
INSTALLATION STEPS #5a THRU #10a PERTAIN TO LTV767.



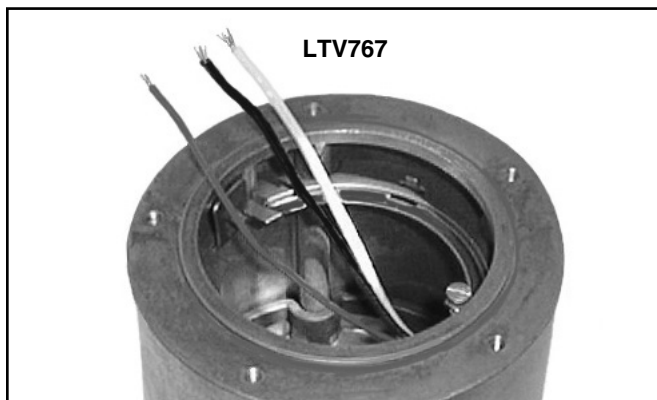
4. LTV767 and LTV768 - Loosen vertical locking screw. (**Do not remove**)



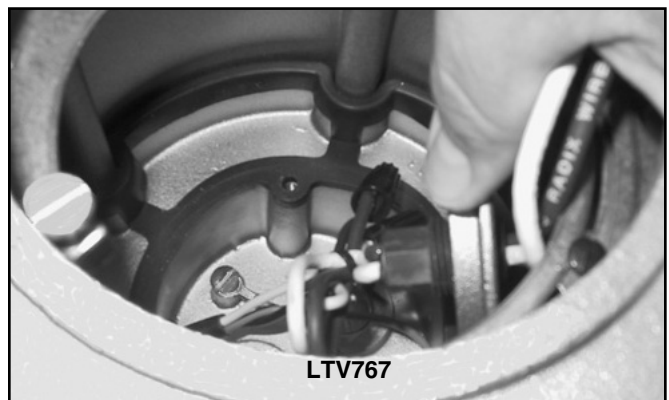
5a. Compress legs of LED bracket assembly inward and remove 6 Emitter LED assembly. **NOTE: See page 3 for LTV768 instructions starting with 5b.**



6a. Remove screw securing driver assembly and splice compartment cover using a phillips screwdriver. Make note of driver location in body for re-assembly later. Remove remaining splice cover screw, when driver is removed.



7a. Pull field wires through conduit system and into splice compartment. Keep wires short enough to make connections and fit in splice compartment. **To help maintain a clean, dry splice compartment, seal the conduit entries with an RTV sealant.**



8a. Make wire connections observing polarity, i.e.; green-to-ground, white-to-common, and black-to-voltage. Replace splice compartment cover. Tighten cover screws to 15 inch/ pounds, (1¼ ft. lbs.).



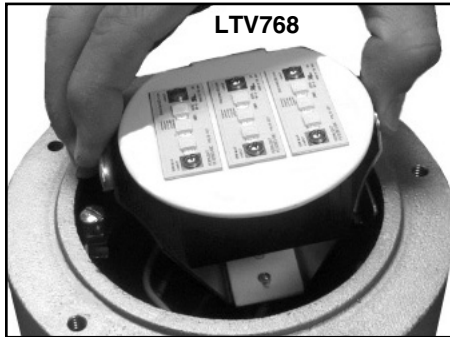
9a. Replace 6 Emitter LED driver assembly. Make sure wire connection from Emitter driver to the LED is secure before snapping bracket legs in place.



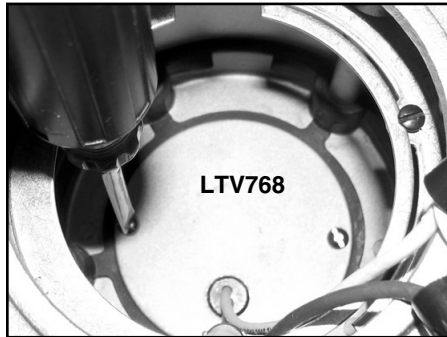
10a. Add desiccant bag to inside housing after replacing splice compartment cover. Replace 6 Emitter LED back into fixture housing. Snap in place.

# Mini-Vault LTV767 / LTV768 LED Installation Instructions

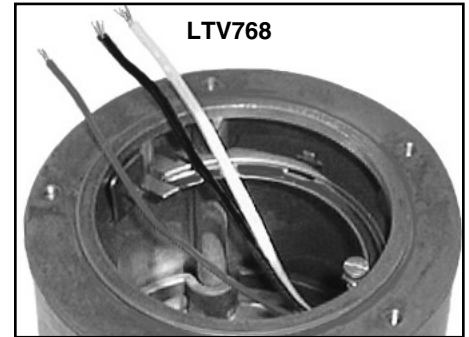
## INSTALLATION STEPS #5b THRU #9b PERTAIN TO LTV768



5b. Compress legs of socket bracket assembly inward and remove 9 Emitter LED assembly.



6b. Remove screws securing splice compartment cover. **To help maintain a clean, dry splice compartment, seal the conduit entries with an RTV sealant.**



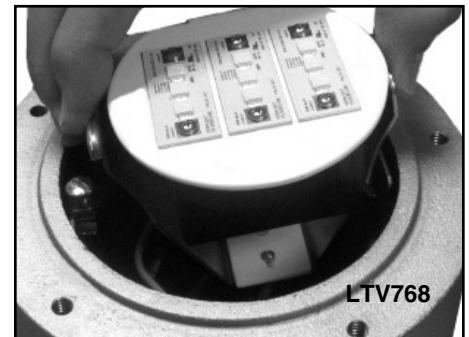
7b. Pull field wires through conduit system and into splice compartment. Keep wires short enough to make connections and fit in splice compartment.



8b. Make wire connections observing polarity, i.e.; green-to-ground, white-to-common, and black-to-voltage. Replace splice compartment cover. Tighten cover screws to 15 inch/pounds, (1¼ ft. lbs.)

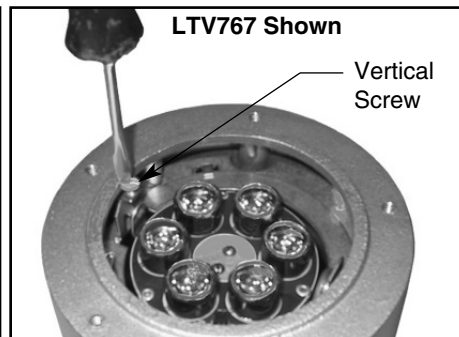
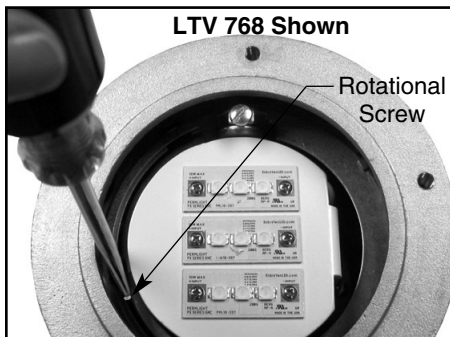


9. Add desiccant bag to inside housing after replacing splice compartment cover.

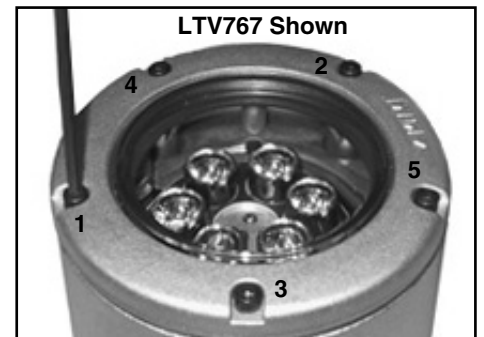


10b. Replace 9 Emitter LED back into fixture housing. Snap in place.

## LAMP ADJUSTMENT INSTRUCTIONS FOR LTV767 AND LTV768:



11. To aim lamp loosen vertical and rotational locking screws. Aim lamp bracket to desired orientation & tighten screws.



12. Make sure gasket surface is clean and free of all dirt and debris so a leak free installation can be achieved. Replace lens, gasket and lens ring. Secure with allen head cap screws (5). Tighten opposing screws progressively and evenly to 20 inch/pounds, (1.67 ft./lbs.).

LAMP INFORMATION		
Catalog No.	Lamp Type	Max.Watts
LTV767	6 Emitters LED	6
LTV768	9 Emitters LED	15
	(Both By KIM)	

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**Important!** Condensation inside the fixture is a common occurrence due to the expanding and condensing of the trapped air inside the fixture as it is cycled on and off. When the lamp is energized during the evening hours, moisture on the inside of lens will burn off as fixture heats up. It will reappear after the power is shut off and the inside air condenses during cooling. A large majority of this moisture can be avoided by following the guidelines below.

- ▼ Never install or maintain fixtures in the rain, or on days with very high humidity (over 80%).
- ▼ Insure that all water and visible moisture has been dried out of the fixture.
- ▼ Start the fixture and allow it to reach operating temperature (30 minutes or longer).
- ▼ With the fixture still operating, loosen all lens ring fasteners and lift the lens ring slightly (no more than 1/16"), leaving it propped open and "breathing" for roughly 10 minutes with the lamp operating. This will exhale the moist air trapped inside the fixture housing.
- ▼ Remove desiccant from zip lock bag and place on top of ballast cover.
- ▼ With the fixture still operating (illuminated) and hot, place the lens in its closed position and completely tighten all fasteners. This process will evaporate a great deal of the atmospheric moisture from the interior of the fixture, and will reduce visible condensation to a minimum. In order to maintain this, this procedure must be repeated any time the luminaire is opened for maintenance. It is highly recommended that the installer wear gloves to protect from burns caused by hot lens surfaces. Do not leave fixtures unsupervised during dry-out period.

## KIM LIGHTING LIMITED WARRANTY

When installed in accordance with Kim Installation Instructions and accepted trade practices, the following shall apply:

### General Product Limited Warranty Coverage

All material and component parts used in the manufacture of Kim Products, are warranted to be free from defects of material and/or workmanship for a period of 1 year from date of sale, with the following exceptions:

### Auxiliary Equipment:

All auxiliary equipment (such as lamps, ballasts, and transformers) provided by and/or included in Kim Products shall carry the components manufacturer's warranty.

### Copper, Bronze and Brass Landscape Components

Copper and Bronze Landscape fixture components shall be warranted against defects of material and/or workmanship, and failure due to corrosion, for a period of 25 years from date of sale.

Kim Lighting's brass components are constructed from several brass parts that are manufactured by various methods at various times. Since brass naturally deepens in color as it ages through the normal oxidation process, these parts may exhibit subtle differences in coloration when the product is new. This is normal and expected. These color differences will be eliminated shortly after installation through the normal brass oxidation process.

### Composite In-Grade Components

Composite In-Grade fixture components installed below grade, shall be warranted against defects of material and/or workmanship, and failure due to corrosion, for a period of 7 years from date of sale.

### Aluminum Landscape Components

Aluminum Landscape fixture components not in direct contact with soil, shall be warranted against defects of material and/or workmanship for a period of 3 years from date of sale. Aluminum fixture components in direct contact with soil shall be warranted from defects of material and failure from corrosion for a period of 1 year from date of sale.

### Stainless Steel Components

Stainless steel landscape components (Lens Rings) installed in the outdoor environment shall show signs of oxidation after 5 to 6 years of install and is dependent on the application and its environment. A proper maintenance and cleaning program will extend the beauty of the stainless steel.

### Limit of Liability and General Conditions

Only products which are installed, used and maintained in accordance with applicable Kim instructions, specifications and accepted trade practices, are covered by the Kim Warranty. During the warranty period, with proof of purchase, Kim will repair or replace with the same or similar product, at Kim's option without charge. Labor costs are the owner's responsibility and are excluded from this warranty. This warranty is void if the product is modified, tampered with, misapplied, poorly installed, improperly maintained, or subjected to abnormal conditions.

Repair or replacement as provided under this warranty is the exclusive remedy of the purchaser. This warranty is in lieu of all other warranties, expressed, or implied, including any implied warranty of fitness for a particular application. Kim Lighting shall not be liable to the purchaser for indirect or consequential damages.



How may we serve you better? Please let us know. Visit our website at:  
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Your concerns are important to us.