



Micro-Flood® - KLV215/216/217 Installation Instructions

INSTRUCTIONS PERTAINING TO A RISK OF INJURY TO PERSONS

IMPORTANT SAFETY INSTRUCTIONS!

WARNING: To reduce the risk of **FIRE OR INJURY TO PERSONS:** **Do Not** overdrive fixtures with greater than 12 volts or fixture over-heating and short lamp life will occur. **Do Not** overload the transformer by installing (or relamping) higher wattage lamps than planned. Note: Total wattage of all lamps connected to one transformer must not exceed the capacity of that transformer. **Do Not** install luminaire within 10 feet (3.04m) of a pool, spa, or fountain. **DO NOT** operate luminaire with missing or damaged lens.

SAFETY WARNING: When relamping be sure electrical supply is **OFF**. Low voltage fixtures can become very **HOT** depending on the lamp wattage used. Glass lenses and metal areas above & around the lamp can become **HOT** enough to blister hands. Use discretion when touching fixture and be sure to allow fixture to cool before relamping. When relamping fixture avoid touching the lamp with bare hands. Lighted lamp is **HOT!** If touching the lamp is necessary during installation, clean the envelope with alcohol and dry with a clean, soft cloth before turning **ON**. Contamination of the envelope may reduce the lamp performance.

MAINTENANCE: To maintain light efficiency and prevent fixture-overheating, glass lenses and enclosure must be kept clean and free from dirt, dust, leaves, trash (combustible materials) and mineral deposits from water. Particular care should be taken not to locate fixtures where small children can reach them if higher wattage's are used. Do not operate luminaire with missing or damaged lens.

Note: Keep the lamp free from impact while burning, as this may deform the filament and shorten the lamp life. **NOT INTENDED FOR INDOOR USE.** All electrical work should be done by a qualified electrician.

Unit intended for mounting with Diffuser/Glass Barrier and Lamp Holder greater than 2 in. (5.08 cm) from the ground plane.

KEEP THIS SHEET FOR FUTURE REFERENCE.

Tools Required: 3/16" Hex Wrench Phillips Screwdriver 1/8" Allen Wrench Adjustable Wrench

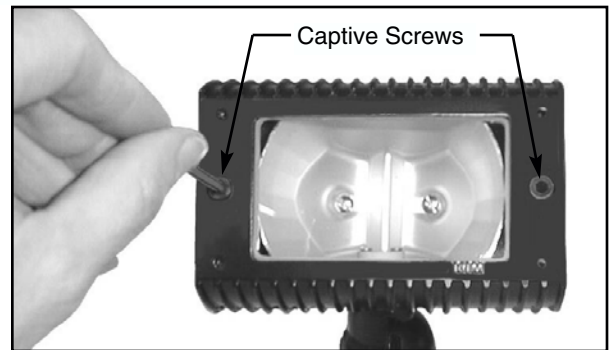
WARNING: Make certain electrical supply is **OFF** before starting fixture installation.



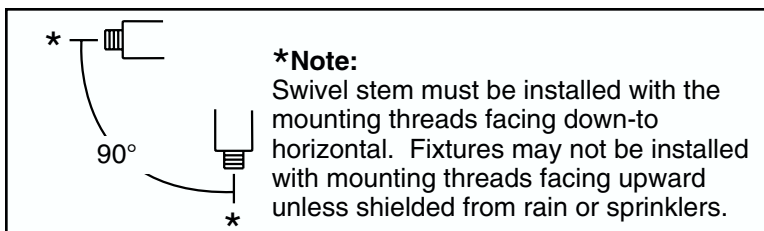
1. Attach coupling onto mounting device. (See KLV Mounting Options, part no. 95488.)
Note: Kim KLV Mounting Options can be installed before fixture is attached.



2. Attach fixture unto coupling. Connect fixture cable to main system cable with a KLV410 Sealed Connector (Part No. 95484).

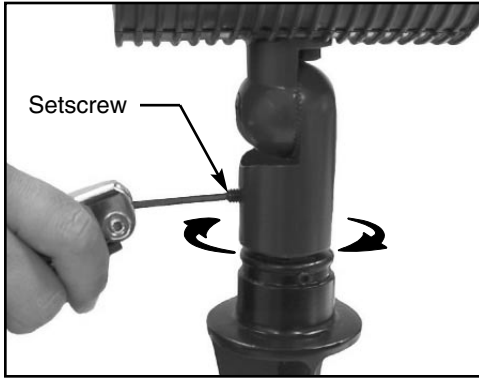


3. To install lamp, loosen the two (2) captive screws on lens frame. Install lamp of type and wattage shown on fixture label and chart on page 2. Replace lens frame assembly making sure gasket fits into the recess properly. Tighten opposing screws progressively & evenly. (Step 3 not required on L.E.D. version, for L.E.D. fixture skip to step 4).

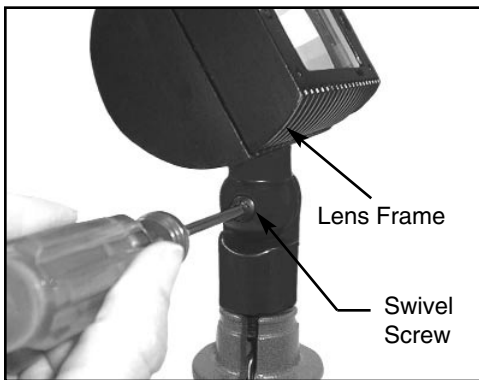


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4. Loosen setscrew, adjust fixture rotation and tighten setscrew.



5. To adjust backtilt up to maximum, loosen swivel screw being careful not to disengage threads. Hold fixture at desired angle and firmly tighten swivel screw.

To Relamp turn off/unplug and allow to cool before replacing lamp. Replace lamp per chart below. Lamp gets HOT quickly! Contact only switch or plug when turning on.

LAMP INFORMATION		
Cat. No.	Lamp Type	Max. Watts
KLV215	Halogen T3 or T4 Bipin	50
KLV216	MR16 Bipin	50
KLV217	L.E.D.	5

Additional wire and connectors may be purchased from Kim Lighting:
 KLV427 #12-2 Cable
 KLV432 #8-2 Cable
 KLV410 Connector
 KLV411 Connector

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 component manufacturer's warranty.

Copper and Bronze 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.

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.

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:
www.kimlighting.com
 Your input matters to us.