



**KIM LIGHTING**

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**HUBBELL**  
Lighting

## Ravenna LED 120V 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. Portable spear or tree mounts using a cord and plug must be plugged into a receptacle protected by a Ground Fault Circuit Interrupter (GFCI) in accordance with the National Electrical Code. Failure to take these steps may result in serious personal injury. **DO NOT** operate luminaire with missing or damaged lens.

**⚠ SAFETY WARNING:** Particular care should be taken not to locate fixtures where small children can reach them if higher wattages are used. 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.

All electrical work should be done by a qualified electrician.

**KEEP THIS SHEET FOR FUTURE REFERENCE.**



**BNL276  
ELL271**

**BNL176  
ELL171**

**Tools Required:**  1/8" Hex Wrench     5/64" Hex Wrench     3/16" Hex Wrench  
 Adjustable Wrench     Thread Sealant     Silicone Grease

**Your KIM fixture is supplied with 1/2" NPSM male mounting threads.**

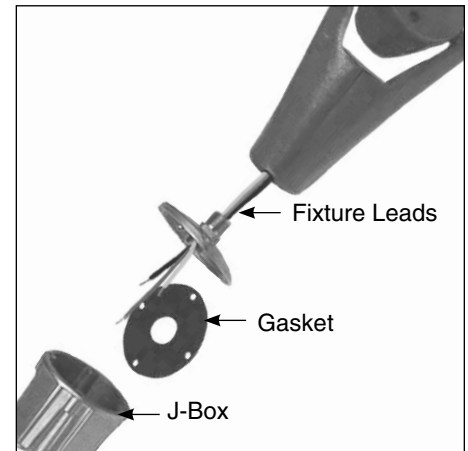
**INSTALLATION INSTRUCTIONS:** **⚠** Make certain the electrical supply is **OFF** before starting fixture installation.



**1.** Loosen set screw at bottom of mounting device\* with Phillips Head screwdriver.



**2.** Coat coupling threads with a good sealant and tighten coupling onto mounting device\*. Re-tighten set screw.



**3.** Thread fixture leads through coupling and install fixture. Attach fixture leads to circuit leads observing polarity, i.e., green-to-ground, white-to-common, and black-to-voltage.

\*Consult Kim Landscape Lighting Collection Catalog for mounting device options.

# Ravenna LED 120V Installation Instructions

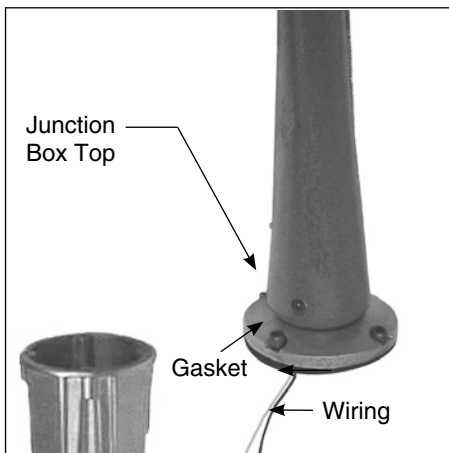


When fixtures are aimed up, particular care should be taken to keep lens free of debris and mineral deposits. When fixtures are in an area where debris or mineral deposits are likely to be a problem, lower wattage lamps should be used, and lenses should be cleaned on a regular maintenance schedule.

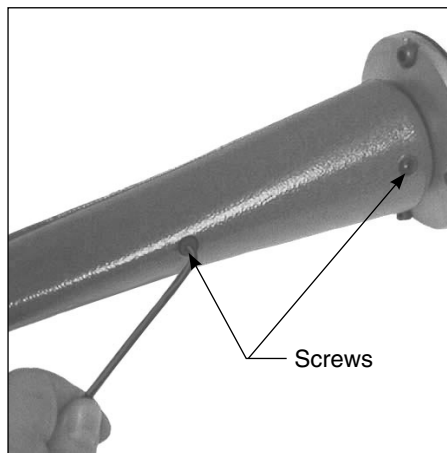
4. Rotate fixture into selected orientation and tighten setscrew using 1/8" allen wrench.

## RAVENNA TRANSFORMER REPLACEMENT / INSTALLATION INSTRUCTIONS:

 Make certain the electrical supply is **OFF** before starting transformer replacement.



1. Remove top of junction box and disconnect wiring splices.



2. Remove (2) screws from side of fixture.



3. Remove half fixture. Remove transformer and replace with new transformer. Reassemble fixture in opposite order.

# Ravenna LED 12V Installation Instructions

## 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, 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.

### 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](http://www.kimlighting.com)  
Your concerns are important to us

