



Lantern Era[®] Bollard - LE Installation 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.

MAINTENANCE: A regularly scheduled maintenance program should be established to retain optimum light output and reduce heat retention. Dusting with a soft, clean, dry cloth is normally sufficient for the reflector.

Any accumulation of dust or dirt should be removed regularly from both sides of the lens during relamping (using ammonia water). DO NOT use alkaline or acid cleaners on reflector surfaces.

NOTE: All electrical work must be done by a qualified electrician.

KEEP THIS SHEET FOR FUTURE REFERENCE.

Attention! If your fixture is equipped with a multi-tap ballast and if voltage was not specified on the purchase order, the ballast has been wired for operation on a 277 volt circuit (347V in Canada). If other than 277 volts is requested, i.e.; 120V, 208V, 240V, connect incoming voltage lead to required voltage lead on terminal block.

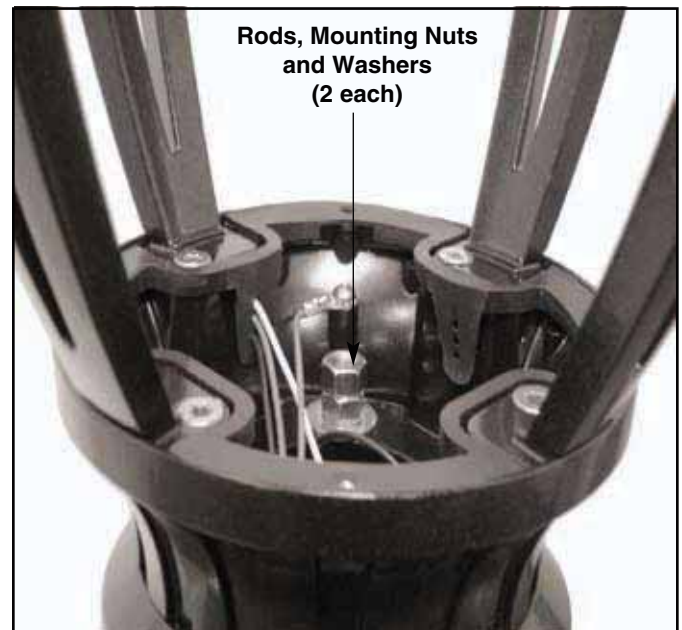
Tools Required: 9/16" Wrench 9/16" Deep Socket 1/8" Hex Wrench 5/32" Hex Wrench
 Drive Ratchet 6" Extension

BASE CASTING / BALLAST ASSEMBLY INSTALLATION INSTRUCTIONS:

⚠ Make certain the electrical supply is **OFF** before starting installation.



1. To install base casting to pre-set anchor bolts, base casting must be removed from fixture. Remove the 2 screws from splice compartment cover using 1/8" hex wrench.

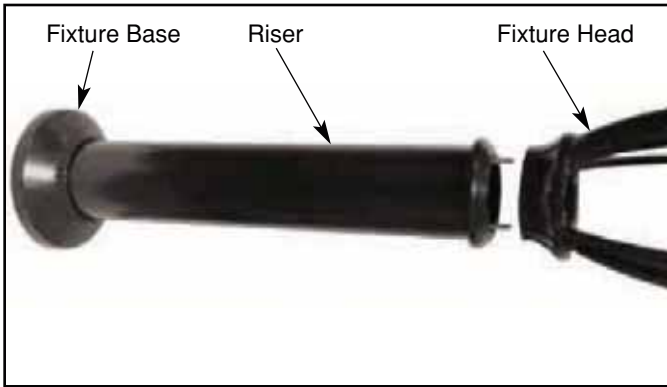


2. Remove the nuts & washer from the mounting rods using a 9/16" deep socket, ratchet & extension.

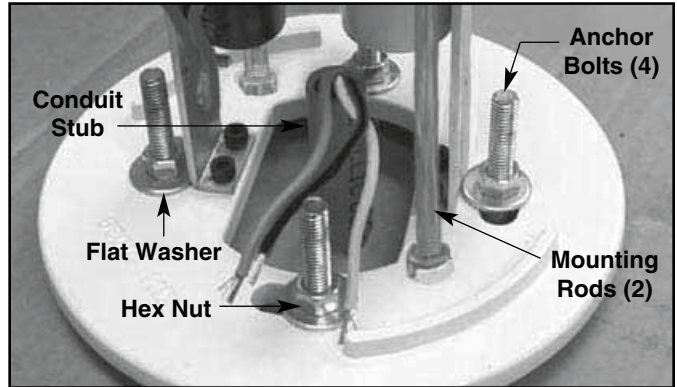
Lantern Era® Bollard - LE Installation Instructions

LE1, LE2, LE3

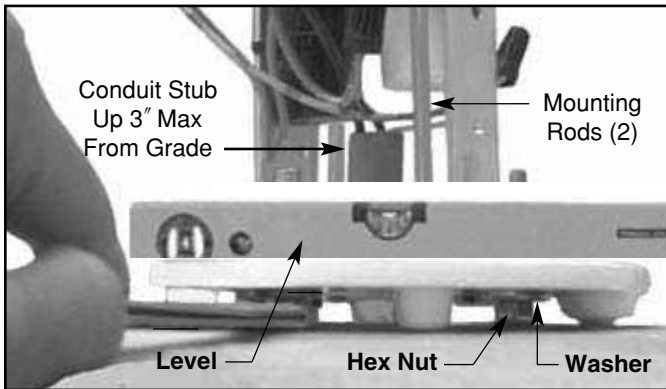
Lantern Era Base Casting and Ballast Assembly Installation Instructions cont'd.



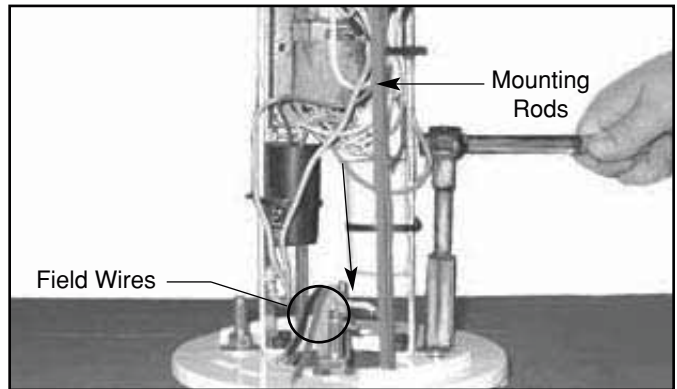
3. Lift off fixture head, riser and fixture base. To protect finish, lay on soft cloth (shown horizontal).



4. Install the base casting/ballast assembly on the pre-set anchor bolts. Use flat washer and hex nuts both below and above the casting.
NOTE: Conduit stub up 3" max. from grade.



5. Level the top edge of the casting by adjusting the bottom leveling nuts using a $\frac{9}{16}$ " wrench.

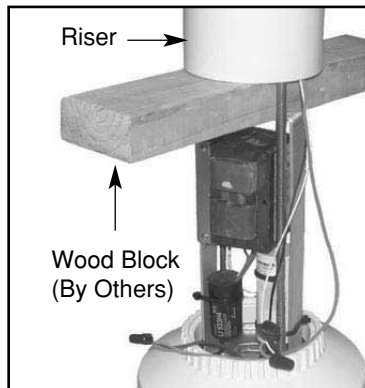
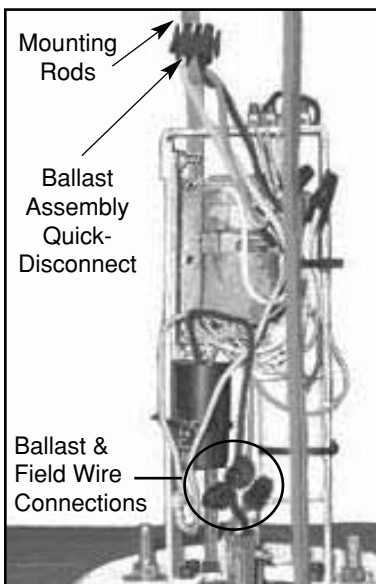


6. Tighten the upper nuts using a $\frac{9}{16}$ " deep socket or wrench.

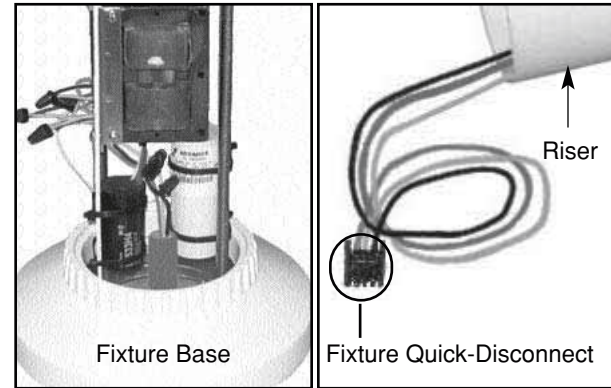
LE BOLLARD INSTALLATION INSTRUCTIONS:

- Tools Required:**
- $\frac{9}{16}$ " Deep Socket
 - $\frac{3}{16}$ " Hex Wrench
 - $\frac{1}{8}$ " Hex Wrench
 - 12" Wooden Block

⚠ Make certain all electrical supply is **OFF** before starting installation.



1. Place wooden block, (by others), on top of ballast assembly for ease of connections, before sliding riser over mounting rods.

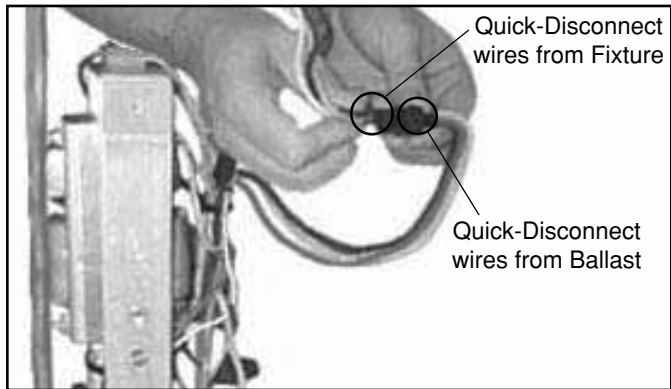


2. Connect the circuit ground wire to the green wire connected to the grounding lug lead on the ballast bracket. Connect power supply leads to the ballast input leads, white-to-common, and black-to-voltage. Install fixture base over mounting rods.

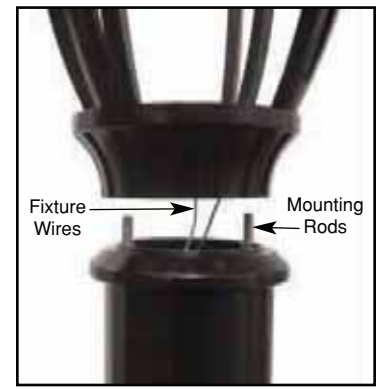
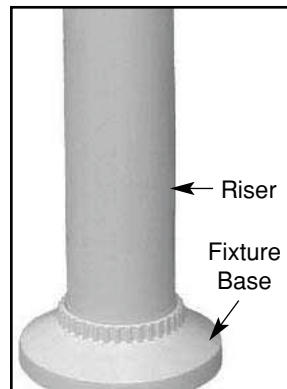
Lantern Era® Bollard Installation Instructions

LE1, LE2, LE3

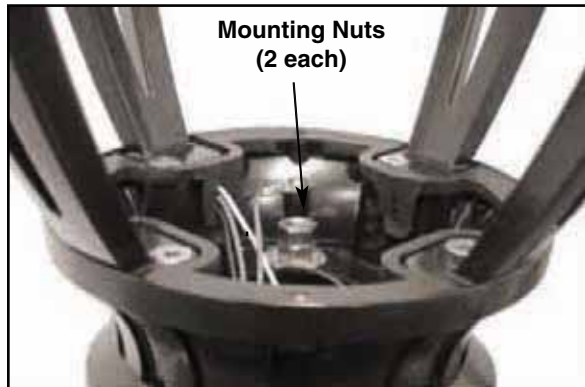
Lantern Era - Bollard Installation Instructions cont'd.:



3. Connect fixture quick-disconnect to the ballast assembly quick-disconnect. Tuck all wires close to assembly to prevent pinching of wires.



4. Remove wood block and slide riser & fixture head assembly over the mounting rods and ballast assembly making sure not to pinch wires.



5. Secure fixture with washer, nuts & jam nuts using $\frac{9}{16}$ " deep socket & ratchet.



6. Install splice compartment cover with screws provided (2 places) using $\frac{1}{8}$ " hex wrench.

LAMP INSTALLATION OR REPLACEMENT:

Tool Required: □ $\frac{5}{32}$ " Hex Wrench

⚠ Make certain electrical supply is **OFF** before starting lamp installation or replacement.



1. Open fixture hood assembly by loosening the self-retained fast-ener using a $\frac{5}{32}$ " hex wrench.



2. Gently swing open the hood assembly and install or replace lamp of type and wattage as shown on fixture label.

Lantern Era® Bollard Installation Instructions

LE1, LE2, LE3

Lamp Installation or Replacement cont'd.



3. Close hood assembly and tighten screw.

WARNING:

The H.I.D. / Fluorescent fixture utilizes a lamp that may contain mercury. For information on disposal of lamp, go to website:

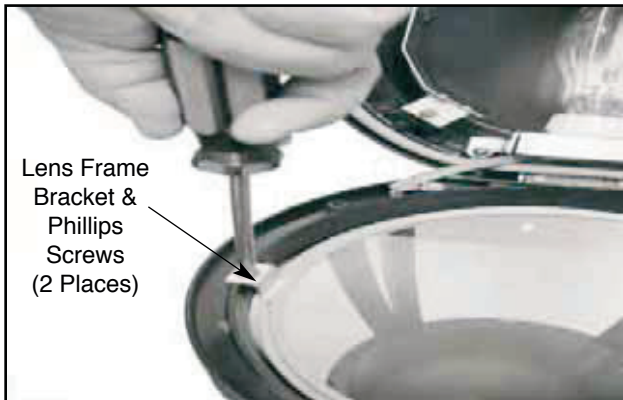
www.lamprecycle.org

Lamp Information

Catalog No.	Lamp Type	Lamp Wattage
LE	MH	70 - 100
LE	HPS	70 - 100
LE	Fluorescent	42
LE	18, 27, or 36 LED*	—

*LED count

LENS REPLACEMENT & MAINTENANCE



Tools Required: 5/32" Hex Wrench Phillips Screwdriver

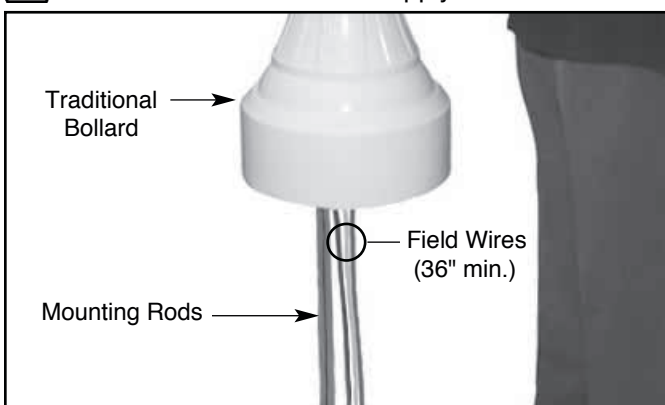
To Clean Lens: You do not have to remove the lens to clean. Any accumulation of dust or dirt should be removed regularly from both sides of lens during relamping using ammonia water.

To Remove Lens For Replacement: Loosen the four screws using a philips head screwdriver and lift lens out.

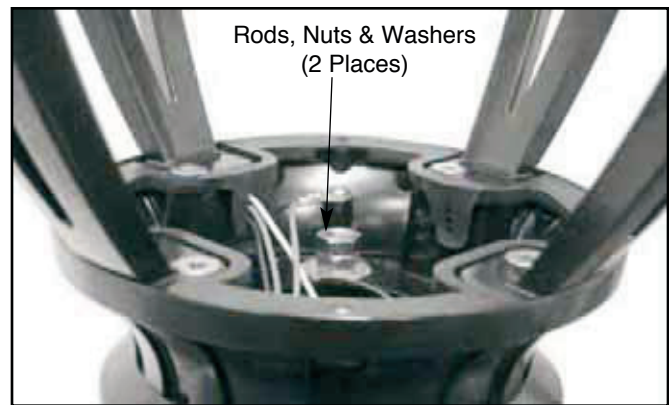
L.E.D. LANTERN ERA BOLLARD with TRADITIONAL BASE INSTALLATION INSTRUCTIONS:

Tools Required: 9/16" Deep Socket 5/32" Hex Wrench

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



1. To remove base casting from the traditional bollard, see page one, steps 1 through 6 and page 2 for base casting attachment to anchor bolts. Slide bollard over mounting rods pulling the field wires up through shaft. **NOTE: Field wires should be at least 36" long for connection inside splice compartment.**



2. Pull field wires through splice compartment of fixture head while placing head and mounting collar over the mounting rods. Connect the circuit ground wire to the green field wire, white-to-common, and black-to-voltage. Secure fixture head to shaft with washers, nuts, & jam nuts provided.

Lantern Era® Bollard Installation Instructions

LE1, LE2, LE3

L.E.D. Bollard with Traditional Base Installation cont'd.



3. Tuck wires in splice compartment and replace splice compartment cover using screws (2) provided.
For Lens Maintenance and Replacement see page 4.

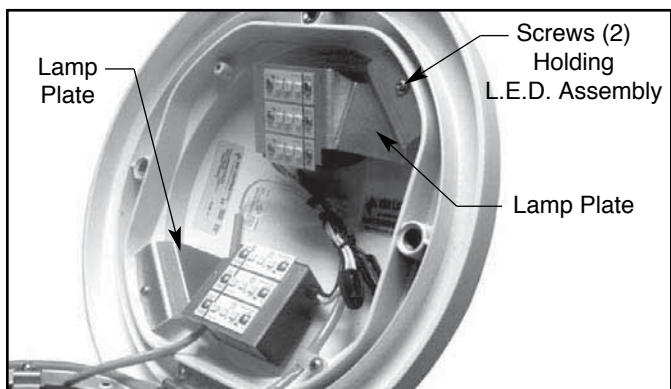
LE BOLLARD L.E.D. REPLACEMENT:

Tool Required: □ 5/32" Hex Wrench

⚠ Make certain electrical supply is **OFF** before starting replacement.



1. Open hood assembly using 5/32" hex wrench.



2. To replace L.E.D. lamps, remove screws holding lamp plate. After replacement close hood assembly and secure tightly.

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 concerns are important to us.