








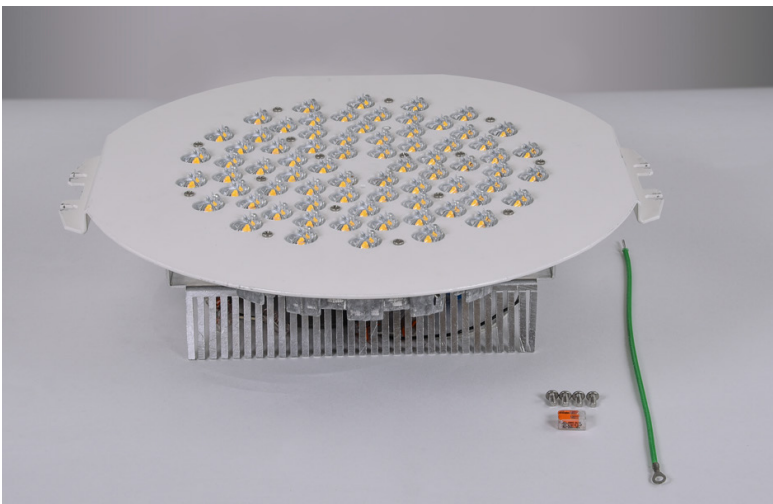
**Kim Solitaire HID/Picoemitter to TIR Optic Upgrade Kit Installation Instructions**

-  **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.
-  **WARNING: RISK OF FIRE OR ELECTRICAL SHOCK.** install this kit only in the luminaires that have the construction features and dimensions shown in the photographs and/or drawings. luminaires wiring, power supply, or other electrical parts may be damaged when drilling for installation of retrofit assembly hardware. inspect all wiring and components for damage.
-  **WARNING:** To prevent wiring damage or abrasion, do not expose wiring to edges of sheet metal or other sharp objects.
-  **CAUTION:** Installation of this retrofit assembly requires a person familiar with the construction and operation of LED luminaire electrical systems and the hazards involved./Confier l'installation de ce necessaire de modernisation a une personne connaissant la construction et le fonctionemnet des installations d'eclairage fluorescent et consciente des risques qu'elles comportent.
-  **CAUTION:** Do not alter, relocate, or remove wiring, lampholders, ballasts, or any other electrical components./Ne pas modifier, deplacer ni enlever de cable, de douille de lampe, de ballast ou autre composant electrique.
-  **CAUTION:** Unless otherwise specified, do not make or alter any openings in the compartment of wiring or electrical components during installation of this retrofit assembly. plug all unused openings in the compartment of wiring or electrical components.
-  **CAUTION:** Only the holes indicated in the photographs and/or drawings may be made or altered as a result of kit installation. Do not leave any other open holes in an enclosure of wiring or electrical components.

The retrofit kit is accepted as a component of a luminaire where the suitability of the combination shall be determined by CSA or authorities having jurisdiction.

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. Do Not use alkaline or acid cleaners on reflector surfaces.

NOTE: All wiring must be done by a qualified electrician. KEEP THIS SHEET FOR FUTURE REFERENCE.



- Contents of Kit:**
- TIR Optics Light Engine
 - Green Ground Wire
 - (4) 10-32 x 1/2" Phillips Screws
 - (1) Wago Connector

- Tools Required:**
- Screwdriver with Phillips bit
 - Large flat blade screwdriver
 - 3/16" Allen Wrench
 - 7/16" Open End Wrench

Voltage Rating of the Fixture : 100-480V

Frequency : 50-60Hz

Max. Wattage = 135W

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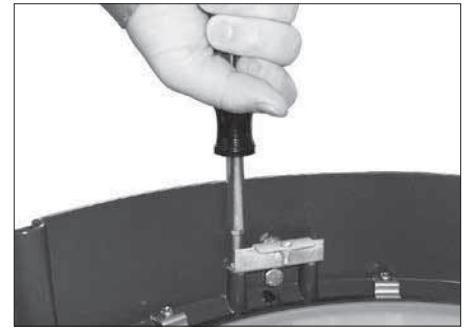
SOLITAIRE INSTRUCTIONS



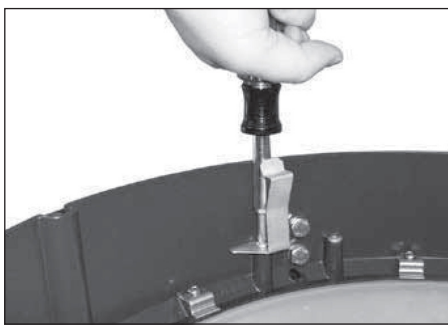
1. Remove top cover.



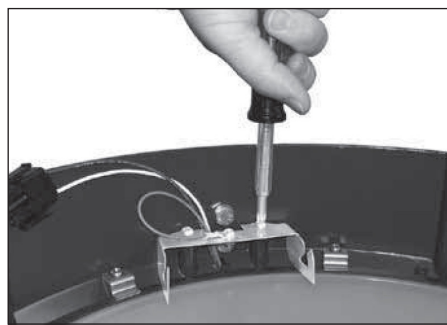
2. Disconnect the HID Reflector/Emitter deck and remove HID Reflector/Emitter deck assembly.



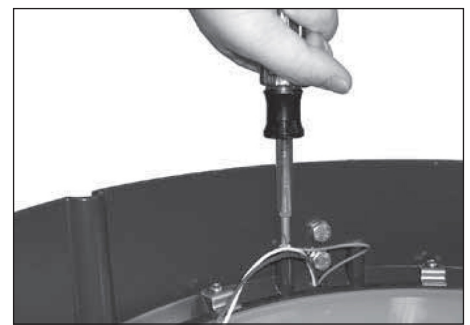
3. Remove reflector latch.



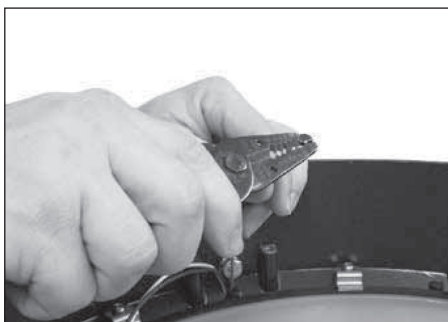
4. Remove stop arm.



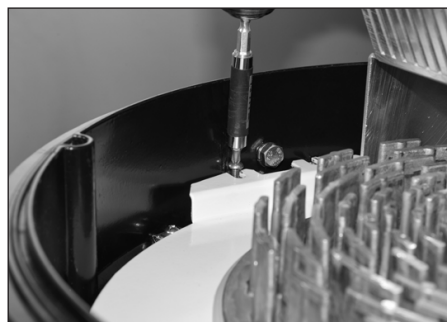
5. Horizontal Reflectors: remove ground wire from reflector hinge and remove reflector hinge.



6. Vertical Reflectors: remove ground wire from mounting boss.



7. Cut ground wire removing ring terminal and trim wire sleeving to expose 1/2" of wire.



8. Install TIR Light engine and secure w/6 supplied Phillips screws.



9. Connect TIR Light engine quick disconnect to fixture quick disconnect. If the input connectors on the kit assembly do not match the connector in the field, please use UL listed connectors to make the connection.



10. Use ring terminal and ground to fixture housing and top cover.



11. Install top cover and tighten securely.



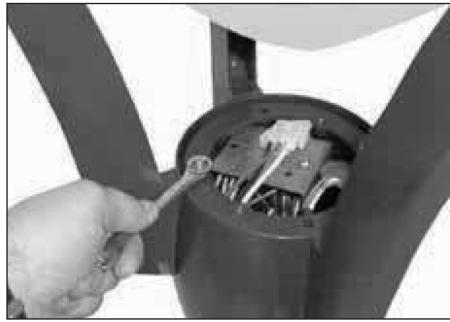
12. Remove wiring access cover from fixture hub.

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SOLITAIRE INSTRUCTIONS (Continued)



13. Disconnect wiring connectors in top of hub.



14. Remove (2) nuts securing retaining ring, then remove the retaining ring.



15. Lift fixture off of the fixture base and set aside.



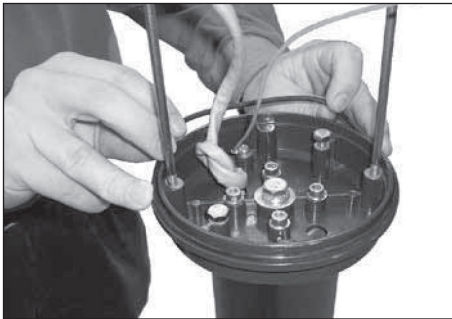
16. Disconnect pole wiring quick disconnect. Remove (2) bolts securing ballast assembly and remove.



17. Remove plastic strain relief and attach supplied green ground wire in its place.



18. Tie pole wiring into a knot in order to prevent it from dropping through the wire-way hole.



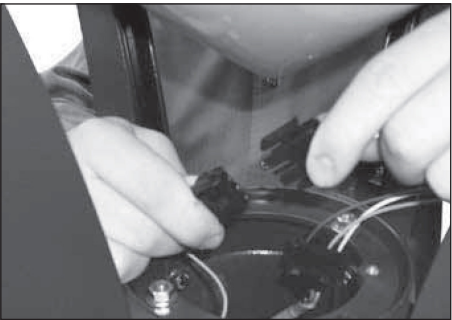
19. Install o-ring on top of fixture base.



20. Install fixture onto base, orient fixture relative to mount in order to provide desired lighting distribution.



21. Re-install retaining ring and secure with (2) nuts. Tighten securely.



22. Connect supplied harness to pole wiring and the fixture wiring quick disconnects.



23. Pull green ground wire from arm until it's within fixture hub and connect to green ground wire installed on step 6 above with the supplied wire nut.



24. Install o-ring on top of retaining ring.

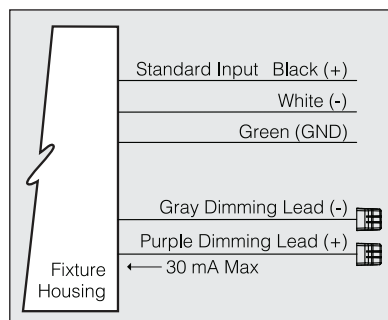
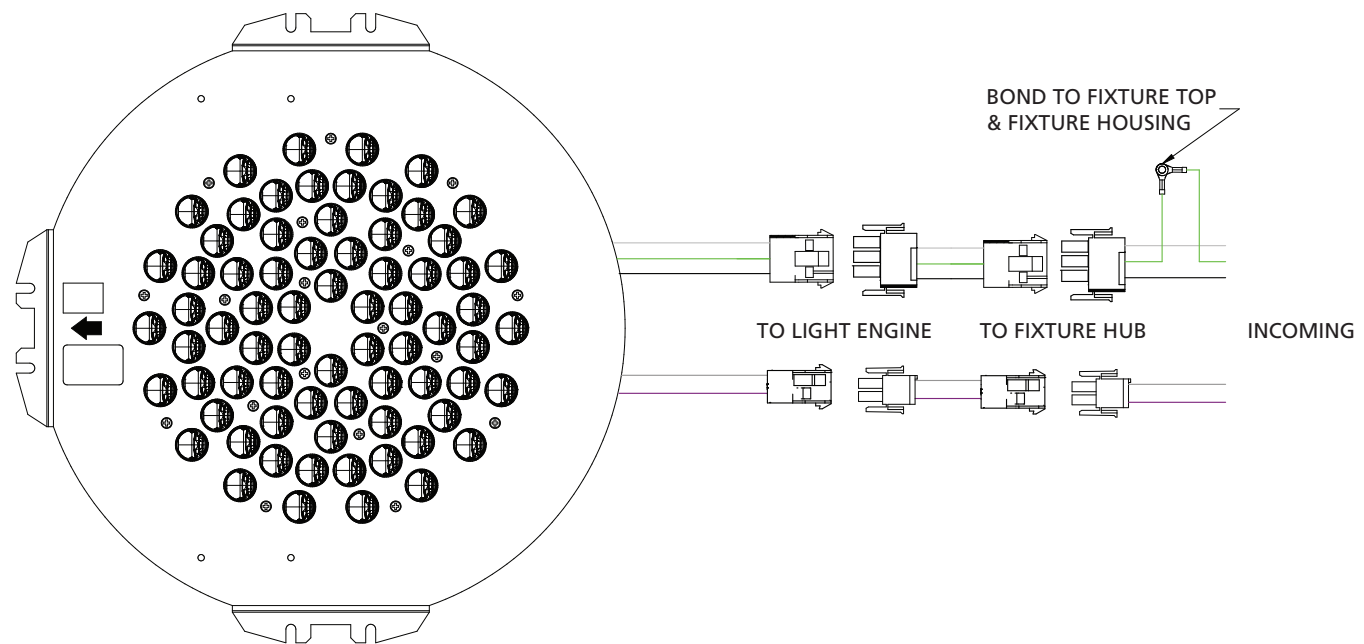
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SOLITAIRE INSTRUCTIONS (Continued)



25. Install wiring access cover to fixture hub and tighten securely.

OPTIC ASSEMBLY WIRING DIAGRAM



0-10V Dimming

Driver has a 0-10V dimming interface with a dimming range of 10-100%. Is compatible with most control systems including Hubbell Building Automation wiHUBB™. Approved dimmers include Lutron Diva AVTV, Lutron Nova NFTV and NTFTV. Note: Not compatible with current sourcing dimmers. Controls compatible via Gray and Purple dimming lead.