

EKG501-LED-KIT

EKG-501 HID to PicoPrism™ Upgrade Kit Installation



Please see installation warnings and cautions on page 5.

CAUTION: Due to the increased current of the PicoPrism assemblies, the **glass lens must be removed**.

ATTENTION: En raison de l'actuelle augmentation des assemblages de PicoPrism, la **lentille de verre doit être enlevée**.

Contents of Kit:

- (1) LED with PicoPrism assembly
- (1) Driver Assembly
- (1) Additional harness set

Tools Required:

- Screwdriver with Phillips bit
- Large flat blade screwdriver
- #6 Torx bit

IMPORTANT: In upgrading HID to PicoPrism, always **remove glass lens** from the door frame to allow more lumen output and prevent heat build-up. See steps 19-21.



Always make certain electrical supply is **OFF** before servicing luminaire.



1. Remove lens frame assembly by unlatching four (4) slotted-head fasteners.



2. Lower lens frame.



3. Apply outward pressure to disconnecting hinges of lens frame.



4. Remove lens frame from housing.



5. Unlatch the slotted-head fasteners on reflector flange.



6. Lower reflector assembly from housing.

EKG-501 HID to PicoPrism™ Upgrade Kit Installation



7. Unplug quick-disconnects between ballast assembly and line voltage.



8. Unplug quick-disconnects between reflector assembly and ballast assembly.



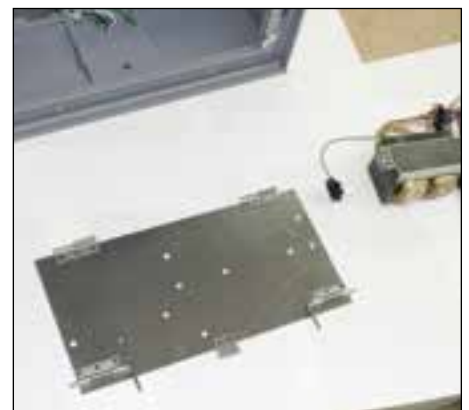
9. Grasp ballast assembly slip hinges and slide inward to open ballast assembly door hinges.



10. Slide ballast assembly door off of hinges.



11. Remove ballast assembly.



12. Set ballast tray aside.



13. Unscrew plastic clamp holding wires from line voltage.



14. With wirecutters, remove harness from line voltage wires.



15. Install new grounding wire.

EKG-501 HID to PicoPrism™ Upgrade Kit Installation



16. Screw into place.



17. Using wire connector by others, attach new harness to line voltage.



18. Raise new electronic driver tray into driver compartment.



19. With provided screws, secure electronic driver tray into place.



20. Attach quick-disconnects between electronic driver and line voltage.



21. Re-attach existing ballast assembly door by sliding it back onto hinges on the housing.



22. Grasp ballast assembly slip hinges and slide inward to lock into place on housing.



23. Attach quick-disconnects between new PicoPrism™ deck and electronic driver.



24. Attach quick-disconnects between driver dimming lead and PicoPrism deck.

EKG-501 HID to PicoPrism™ Upgrade Kit Installation



25. Raise PicoPrism deck into housing.



26. Secure PicoPrism deck into housing with provided screws.



27. Remove multiple screws holding glass lens and gasket into lens frame.



28. Remove end of lens frame.



29. Slide glass lens and gasket out of lens frame and discard glass lens and gasket.



30. Re-assemble lens frame.



31. Re-hang lens frame into fixture housing.



32. Raise lens frame assembly into place and re-attach to housing with four (4) slotted-head fasteners.

Installation warnings and cautions for upgrade kits

Avertissements et précautions pour l'installation de kits de mise à niveau.

-  **WARNING:** Make certain all electrical supply is OFF before starting installation or beginning maintenance procedures.
-  **AVERTISSEMENT:** S'assurer que toute alimentation possible est COUPÉE avant de commencer l'installation ou l'entretien.
-  **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.
-  **AVERTISSEMENT:** Les appareils doivent être mis à la terre en conformité avec le Code canadien de l'électricité et les codes locaux. Une non-conformité pourrait conduire à des blessures graves.
-  **WARNING:** To prevent wiring damage or abrasion, do not expose wiring to edges of sheet metal or other sharp objects.
-  **AVERTISSEMENT:** Pour empêcher l'endommagement ou l'éraflure des fils, empêchez tout contact avec les rebords des parties métalliques.
-  **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.
-  **ENTRETIEN:** Un programme d'entretien régulier devrait être établi pour conserver la luminosité optimale et réduire l'accumulation de chaleur. Un chiffon doux et propre est normalement suffisant pour dépoussiérer le réflecteur optique.
-  **NOTE:** All wiring must be done by a qualified electrician.
-  **REMARQUE:** Tout le câblage doit être fait par un électricien certifié.
-  **CAUTION:** LED fixtures are available in 120 volt input or 277volt input. Please verify before wiring fixture to field wires. (see lamp label to verify).
-  **MISE EN GARDE:** Les appareils d'éclairage à DEL sont offerts pour alimentation à 120 V ou 277 V. Veuillez vérifier avant de raccorder (voir l'étiquette de l'appareil pour confirmer).
-  **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.
-  **AVERTISSEMENT: DANGER DE CHOC ÉLECTRIQUE OU D'INCENDIE.** N'installez cette trousse que sur les luminaires qui sont construits pour l'accepter et qui ont les dimensions montrées sur les photographies et/ou dessins. Il y

a risque d'endommagement du câblage, du bloc d'alimentation ou d'autres parties lors du perçage pour installer la quincaillerie pour modification. Vérifiez qu'aucun dommage aux fils ou composants n'a été fait.

 **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.

 **ATTENTION:** Pour cette modification, ne pas percer ou modifier toute ouverture du compartiment de connexion des câbles ou celui des composants électriques sauf si clairement indiqué dans une autre directive. Bouchez toutes les ouvertures du compartiment de connexion ou des composants électriques qui ne sont pas utilisées.

 **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.

 **ATTENTION:** Seuls les trous indiqués dans les photographies et/ou les dessins peuvent être percés ou modifiés pour installer la présente trousse. Les compartiments de connexion ou des composants électriques ne doivent comprendre aucune ouverture non obstruée autre que celles requises au câblage.

 **CAUTION:** Installation of this retrofit assembly requires a person familiar with the construction and operation of LED luminaire electrical systems and the hazards involved

 **ATTENTION:** installation de ce nécessaire de modernisation a une personne connaissant la construction et le fonctionnement des installations d'éclairage fluorescent et consciente des risques qu'elles comportent.

 **CAUTION:** Do not alter, relocate, or remove wiring, lampholders, ballasts, or any other electrical components.

 **ATTENTION:** Ne pas modifier, déplacer ni enlever de câble, de douille de lampe, de ballast ou autre composant électrique.

 **WARNING:** The H.I.D./Fluorescent fixtures utilizes a lamp that may contain mercury. For information on disposal of lamp go to website: www.lamprecycle.org.

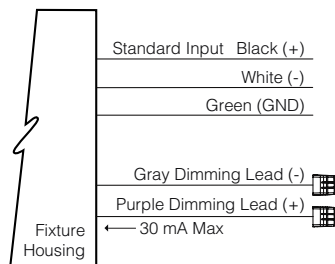
 **AVERTISSEMENT:** Les appareils d'éclairage à décharge à haute intensité ou à fluorescents peuvent contenir du mercure. Pour l'information de disposition des ampoules/tubes, visitez le site Web: www.lamprecycle.org.

CONSERVER LA PRÉSENTE FEUILLE POUR RÉFÉRENCE ULTÉRIEURE.

KEEP THIS SHEET FOR FUTURE REFERENCE.

EKG-501 HID to PicoPrism™ Upgrade Kit Installation

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.

HID-TO-LED PICOPRISM UPGRADE KIT WARRANTY

When properly installed and under normal conditions of use, Kim Lighting warrants LED Upgrade Kit products ("Product(s)") sold by Kim Lighting to be free from defects for (i) a period of five (5) years for LED Light Engines (), (ii) a period of five (5) years for LED power components (LED Driver, LifeShield Device), and (iii) for a period of five (5) years for the re-used metal housing components of the existing luminaire from the date of sale of the LED Upgrade Kit to the buyer as specified in Kim Lighting shipment documents for each Product(s). Conditions and limitations of the re-used metal housing component warranty are as follows: 1) Existing luminaire must have been purchased within 15 years prior to the date of sale of the Upgrade Kit, 2) Poles, arms, accessories, and options are excluded, 3) Products installed in harsh or hazardous environments are excluded, 4) Warranty covers defects in material and workmanship in excess of the normal wear and tear to which the luminaire can normally be expected to experience at the judgment of Kim Lighting from the baseline condition of the luminaire at the time of installation and registration of the LED Upgrade Kit, 5) Owner must within 30 days of shipment of the LED Upgrade Kit by Kim Lighting register the project by emailing at least five (5) photo images of at least three (3) upgraded housings to upgrade@kimlighting.com referencing the project name and location, LED Upgrade Kit purchase order number, and approximate purchase date of the existing housing(s). Failure to provide complete registration information within the required 30 days will dissolve the five year housing warranty. 6) Kim Lighting reserves the right to deny the five year metal housing component warranty extension upon review of the submitted product images if the existing/original condition of the product indicates substantially excessive wear and tear beyond normal expectations given the product age. 7) Paint/finish of the fixture housing is excluded from this warranty for fixtures that have been installed for more than ten (10) years prior to the application of LED Upgrade Kit. Occupancy sensors, LED surge protectors, dimmers and relay wiring components are covered by the manufacturer's warranty and are not included as part of Kim Lighting warranty. The buyer agrees to make all claims regarding defects or deficiencies in the Product(s) according to the terms of Kim Lighting's official warranty. Warranty claims must be made in writing according to Kim Lighting procedures existing at the time of the claim. Valid warranty claims must be made within the warranty period specified herein above, and submitted within thirty (30) days of discovery of the damage or defect. No FIELD labor, repair, DISMANTLE, or installation charges are included with this warranty. Kim Lighting may repair or replace any Product(s) covered by this warranty at its sole discretion and in accordance with its procedure. Any unauthorized return, repair, replacement or modification of the Product(s) shall void this warranty. This warranty applies only to the use of the Product(s) as intended by Kim Lighting and does not cover any misapplication or misuse of said Product(s), or installation in hazardous or corrosive environments. In no event shall Kim Lighting's total liability for any reason arising hereunder exceed the purchase price paid to Kim Lighting for the product purchased by the buyer hereunder. Contact Kim Lighting for complete warranty language, exceptions, and limitations.