

TERRALUX

MODEL: TLK-DR6A-AXXXYYDO

LED RETROFIT KIT INSTALLATION INSTRUCTIONS

- **WARNING - RISK OF FIRE OR ELECTRIC SHOCK. LED RETROFIT KIT INSTALLATION REQUIRES KNOWLEDGE OF ELECTRICAL SYSTEMS. IF NOT QUALIFIED, DO NOT ATTEMPT INSTALLATION. CONTACT A QUALIFIED ELECTRICIAN.**
- **WARNING - RISK OF FIRE OR ELECTRIC SHOCK. INSTALL THIS KIT ONLY IN LUMINAIRES THAT HAVE CONSTRUCTION FEATURES AND DIMENSIONS SHOWN IN THE DRAWINGS.**
 - **MINIMUM VOLUME OF RECESSED HOUSING: 104.7 IN³ (1715.7 CM³)**
 - **THE DISTANCE BETWEEN JUNCTION BOX AND RECESSED HOUSING MUST BE MAX. 2.77 IN (7.0CM)**
 - **THE RETROFITTED FIXTURE MUST BE MAX. 30CM LONG, 24CM WIDE AND 19CM HIGH**
- **WARNING – TO PREVENT WIRING DAMAGE OR ABRASION, DO NOT EXPOSE WIRING TO EDGES OF SHEET METAL OR SHARP OBJECTS**
- **DO NOT MAKE OR ALTER ANY OPEN HOLES IN AN ENCLOSURE FOR WIRING OR ELECTRICAL COMPONENTS DURING KIT INSTALLATION.**
- **WIRE CONNECTIONS MUST BE TEMPERATURE RATED FOR AT LEAST 75°C.**
- **SUITABLE FOR DRY AND DAMP LOCATIONS.**

THIS RETROFIT KIT IS FOR INSTALLATION INTO INDOOR RECESSED NON-IC TYPE CEILING MOUNTED DOWN LIGHT LUMINAIRES THAT ARE USED IN NON-FIRE-RATED INSTALLATIONS ONLY. CHECK FOR THIS MARKING ON THE LUMINAIRE, OR WITH THE BUILDING CODE AUTHORITIES HAVING EXPERTISE IN THIS AREA PRIOR TO INSTALLATION OF THIS RETROFIT KIT.

THE LED DRIVER MODULE HAS AN OUTPUT RATED AT LESS THAN 59V PEAK. THIS OUTPUT COMPLIES WITH THE DEFINITION OF CLASS 2 PER CANADIAN ELECTRICAL CODE. THIS OUTPUT CANNOT BE ACCESSIBLE BASED ON MAXIMUM VOLTAGE RESTRICTIONS FOR CLASS 2 CIRCUITS IN CANADIAN ELECTRICAL CODE. THIS KIT INCLUDES AN ACCESSIBLE LED ARRAY. THE LED ARRAY SHOULD COMPLY WITH THIS ACCESSIBILITY REQUIREMENT, EITHER BASED ON DESIGN OR BASED ON MANUFACTURERS SPECIFICATIONS FOR ITS USE IN RESTRICTED ACCESS AREAS ONLY.

INCLUDED COMPONENTS (KITS MAY BE BULK PACKAGED)

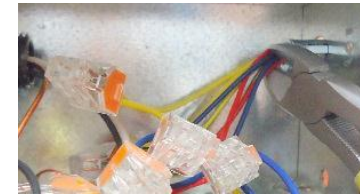
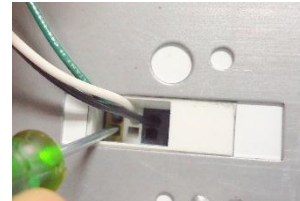
- (1) MODEL TLK-DR6A-AXXXYYDO LED RETROFIT KIT, CONSTING OF:
 - LED DRIVER ASSEMBLY
 - LED LIGHT ASSEMBLY
- (1) J-BOX COVER ADAPTER PLATE
- (1) LED HEATSINK MOUNTING BRACKET
- (1) DIFFUSER ASSEMBLY (ROUND OR SQUARE)
- (1) ISOLATION REFLECTOR
- (1) 3/8" THREADED METAL STAND-OFF
- (1) #8-32 WINGNUT
- (1) #8-32 BY 3/8 SCREW AND NUT

REQUIRED TOOLS

- SLOTTED SCREWDRIVER WITH 2.5 MM (0.100") BLADE
- #8 NUT DRIVER

INSTALLATION STEPS

1. **SHUT OFF POWER TO LIGHT FIXTURE AT THE BREAKER PANEL**
2. REMOVE CFL BULB(S)
3. REMOVE TRIM HOUSING FROM FIXTURE. TRIM HOUSING MAY BE ATTACHED TO FIXTURE USING WING NUT, SCREWS OR CLIPS.
4. IF FIXTURE HAS CFL BULB SOCKETS ATTACHED TO A J-BOX COVER, UNLATCH THE COVER, CUT THE SOCKET WIRES AND REMOVE THEM. REPLACE COVER.
5. UNLATCH THE JUNCTION BOX COVER PLATE (WITH CFL BALLAST ATTACHED), AND PULL AWAY FROM JUCTION BOX TO EXPOSE MAINS WIRING.
6. INSERT A 2.5MM FLATBLADE SCREWDRIVER INTO THE RECTANGULAR SLOT, ADJACENT TO EACH WIRE OF TERMINAL BLOCK WHILE PULLING WIRE FROM TERMINAL REPEAT UNTIL ALL MAINS WIRES AND CFL BULB WIRES HAVE BEEN DISCONNECTED FROM THE BALLAST. ***NOTE: IF THE FIXTURE JUNCTION BOX CONTAINS BALLAST WIRING THAT EXITS THE JUNCTION BOX THROUGH CONDUIT, CUT ALL BALLAST WIRES AT POINT WHERE THEN WIRES EXIT THE JUNCTION BOX.***



7. REMOVE THE NUTS THAT SECURE THE CFL BALLAST TO THE J-BOX COVER PLATE. SET NUTS AND PLATE ASIDE FOR RE-USE.
8. DISCARD CFL BALLAST, CFL BULB SOCKET/CFL BULB SOCKET HOUSING AND BULB WIRING.
9. USING THE PLATE AND NUTS REMOVED IN STEP 7; ATTACH THE PROVIDED J-BOX COVER ADAPTOR PLATE. SEE ***"GENERIC J-BOX COVER PLATE INSTALLATION"*** ON NEXT PAGE.
10. ROUTE THE MAINS WIRES THAT WERE REMOVED FROM THE CFL BALLAST THROUGH AN OPENING IN THE J-BOX COVER ADAPTOR PLATE.
11. REATTACH J-BOX COVER PLATE WITH J-BOX COVER ADAPTOR PLATE TO J-BOX.
12. POSITION THE LED DRIVER NEAR THE JUNCTION BOX. USING A 2.5MM SCREWDRIVER, DEPRESS THE RECTANGULAR SLOT ADJACENT TO EACH TERMINAL WHILE INSERTING THE MAINS WIRES. REPEAT FOR EACH WIRE UNTIL ALL WIRES HAVE BEEN INSTALLED:
 - LINE TO BLACK TERMINAL
 - NEUTRAL TO WHITE TERMINAL.
 - GROUND TO GREEN TERMINAL

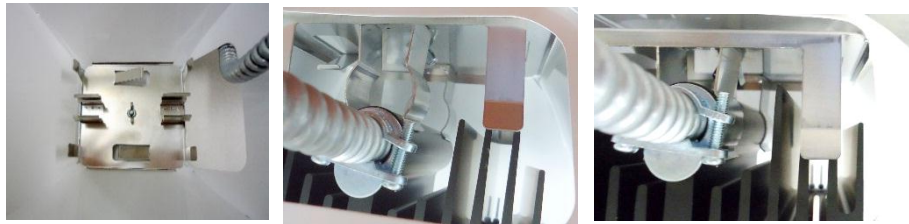
GENTLY PULL ON EACH WIRE TO ENSURE THAT THEY ARE LOCKED INTO TERMINAL BLOCK.

13. ATTACH LED DRIVER ASSEMBLY TO J-BOX COVER ADAPTOR PLATE BY ENGAGING TAB ON ONE SIDE OF THE DRIVER TO THE SLOT IN THE J-BOX COVER ADAPTOR PLATE AND PRESSING DOWN ON THE

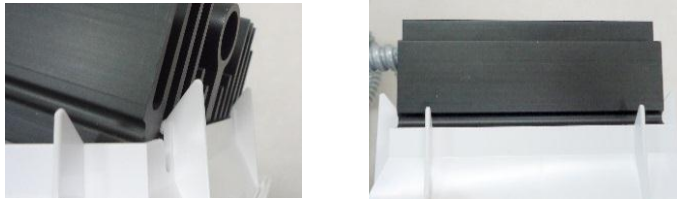
OTHER END TO LATCH THE DRIVER ASSEMBLY IN PLACE. ENSURE THAT LED DRIVER ASSEMBLY AND J-BOX COVER PLATE IS FULLY FASTENED TO J-BOX. THE LED DRIVER MUST BE BETWEEN RECESSED HOUSING AND JUNCTION BOX.

14. APPLY THE LABEL "REPLACE ONLY WITH TERRALUX INC. MODEL TLK-DR6A-AXXXYYDO" TO FIXTURE FRAME, DIRECTLY ADJACENT TO LED DRIVER.
15. ROUTE CONDUIT FROM LED DRIVER ASSEMBLY OUT THROUGH TRIM HOUSING OPENING.
16. FEED LOOSE END OF CONDUIT THROUGH OPENING IN TRIM HOUSING AND INSTALL TRIM HOUSING BACK INTO FIXTURE.
17. POSITION THE LED ASSEMBLY MOUNTING BRACKET INTO BOTTOM OF TRIM HOUSING SUCH THAT THE ROUNDED CLIPS ALIGN WITH THE TRIM HOUSING OPENING. IF FIXTURE HAS A THREADED STUD THAT PROTRUDES THROUGH TRIM HOUSING, SIMPLY USE THE #8-32 WING NUT TO SECURE BOTH TRIM HOUSING AND LED MOUNTING BRACKET TO THE FIXTURE. SKIP TO STEP 18.

NOTE – BASED ON THE BOTTOM DIMENSIONS OF SOME TRIM HOUSINGS, THE THREADED MOUNTING STUD MAY NOT BE LONG ENOUGH TO PROPERLY INSTALL THE LED MOUNTING BRACKET. IF NEEDED, THREAD THE PROVIDED 3/8" THREADED METAL STANDOFF ONTO THE TRIM HOUSING MOUNTING STUD BEFORE INSTALLING LED MOUNTING BRACKET.

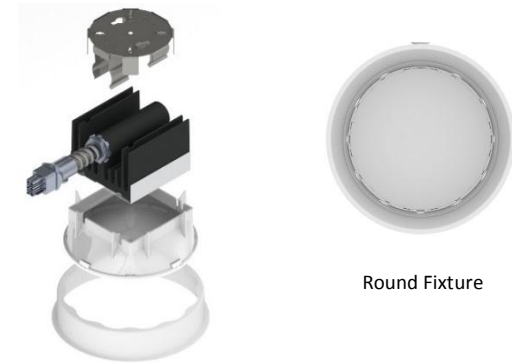


18. IF THE FIXTURE IS NOT PROVIDED WITH A THREADED STUD, SECURE LED ASSEMBLY MOUNTING BRACKET TO TRIM HOUSING BY DRILLING A HOLE IN THE CENTER OF THE HOUSING WITH A #16 DRILL BIT. THE HOLE IN THE CENTER OF THE LED HEATSINK MOUNTING BRACKET CAN SERVE AS A GUIDE. INSERT THE PROVIDED #8-32 BY 3/8" SCREW AND TIGHTEN WITH THE PROVIDED 8-32 NUT.
19. REMOVE THE PLASTIC PROTECTIVE COVER FROM OVER THE LED'S AND DISCARD.
20. INSTALL DIFFUSOR BRACKET OVER LED'S AS SHOWN. DIFFUSER BRACKET SHOULD FULLY SEAT IN PLACE



21. ALIGN AND ATTACH THE IN-LINE CONDUIT CONNECTOR BETWEEN THE LED DRIVER ASSEMBLY AND LED LIGHT ASSEMBLY.
22. GUIDE THE LED LIGHT ASSEMBLY INTO THE TRIM HOUSING
23. PRESSING DOWN ON THE EDGES OF THE DIFFUSER BRACKET, FIRMLY SEAT THE LED LIGHT ASSEMBLY INTO THE LED MOUNTING BRACKET. **NOTE: THE LED MOUNTING BRACKET IS SELF-ALIGNING AND WILL GUIDE THE LED/DIFFUSER ASSEMBLY INTO PLACE.**

24. PRESS ISOLATION REFLECTOR ONTO DIFFUSOR BRACKET TO COMPLETE THE RETROFIT



25. TURN POWER BACK ON AT THE BREAKER PANEL AND VERIFY OPERATION

GENERIC J-BOX COVER PLATE INSTALLATION

