

PRIOR TO INSTALLATION, PLEASE READ THE ENTIRE INSTALLATION INSTRUCTIONS

INSTALLATION INSTRUCTIONS — PLEASE COMPLY WITH THESE INSTRUCTIONS AND NOTES TO ENSURE THAT THE PRODUCT IS OPERATED IN A SAFE CONDITION.

SAFETY PRECAUTIONS — FOR YOUR AND OTHERS’ SAFETY, PLEASE READ THE PRECAUTION CAREFULLY BEFORE INSTALLATION

1. PRODUCT SHOULD BE INSTALLED BY QUALIFIED ELECTRICIAN
2. SWITCH OFF THE POWER SUPPLY BEFORE COMMENCING WORK
3. CONFIRM THAT PRODUCT AND WIRING ARE PROPERLY INSTALLED PRIOR TO ENERGIZING THE CIRCUIT

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2. EMERGENCY LED TUBE X 1 PCS
3. LUMINAIRE MARKING LABELS
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THE KITS ARE INTENDED TO RETROFIT TARGET LUMINAIRES WITH THE FOLLOWING CHARACTERISTICS

1. SURFACE MOUNTED, TYPE IC OF TYPE NON-IC RECESSED MOUNTED
2. WITH OR WITHOUT DIFFUSER
3. NOT DIMMABLE
4. MAX 4 LED TUBES, TYPE T8, WHICH HAVE MAXIMUM WATTAGE BY 24W
5. THE RETROFIT POSITION IS LOCATED AT THE EDGE OF THE FOUR LED TUBES
6. ONE SINGLE BRANCH CIRCUIT AS POWER SUPPLY CONNECTION
7. MAX. MOUNTING HEIGHT 8.10 FT
8. REFER TO BELOW TABLE FOR MIN COMPARTMENT DIMENSION

COMPARTMENT QUALIFICATIONS	TARGET LUMINAIRE
ORIGINAL LED TUBE	TYPE T8 MAXIMUM WATTAGE BY 24W
MINIMUM LAMP COMPARTMENT DIMENSIONS (L X W X H) (MM)	1215 X 605 X 75
MAX NO.	4
MINIMUM SPACING BETWEEN TUBE LAMPS, CENTER TO CENTER (CM)	12
DIMMABLE	NO

READ AND FOLLOW ALL SAFETY INSTRUCTIONS

- DO NOT USE OUTDOORS
- DO NOT MOUNT NEAR GAS OR ELECTRIC HEATERS
- EQUIPMENT SHOULD BE MOUNTED IN LOCATIONS AND AT HEIGHTS WHERE IT WILL NOT BE SUBJECTED TO TAMPERING BY UNAUTHORIZED PERSONNEL
- THE USE OF ACCESSORY EQUIPMENT NOT RECOMMENDED BY THE MANUFACTURER MAY CAUSE AN UNSAFE CONDITION
- DO NOT USE THE EQUIPMENT FOR OTHER THAN ITS INTENDED USE
- USE WITH GROUNDED, UL LISTED, DRY OR DAMP LOCATION FIXTURES

PRIOR TO INSTALLATION, PLEASE READ THE ENTIRE INSTALLATION INSTRUCTIONS

WARNING - RISK OF FIRE OR ELECTRIC SHOCK.

LED RETROFIT KIT INSTALLATION REQUIRES KNOWLEDGE OF LUMINAIRES ELECTRICAL SYSTEMS. IF NOT QUALIFIED, DO NOT ATTEMPT INSTALLATION. CONTACT A QUALIFIED ELECTRICIAN.

AVERTISSEMENT - RISQUE D'INCENIE OU DE CHOC ÉLECTRIQUE.

INSTALLATION DU KIT DE RETROFIT LED EXIGE UNE CONNAISSANCE DES SYSTÈMES ÉLECTRIQUES LUMINAIRES. SI VOUS N'ÊTES PAS QUALIFIÉ, NE TENTEZ PAS DE L'INSTALLATION. CONTACTEZ UN ÉLECTRICIEN QUALIFIÉ.

WARNING - RISK OF FIRE OR ELECTRIC SHOCK.

INSTALL THIS KIT ONLY IN THE LUMINAIRES THAT HAVE THE CONSTRUCTION FEATURES AND DIMENSIONS SHOWN IN THE PHOTOGRAPHS AND/OR DRAWINGS AND WHERE THE INPUT RATING OF THE RETROFIT KIT DOES NOT EXCEED THE INPUT RATING OF THE LUMINAIRE.

AVERTISSEMENT - RISQUE D'INCENIE OU DE CHOC ÉLECTRIQUE.

INSTALLEZ CE KIT DANS LES LUMINAIRES QUI ONT LES CARACTÉRISTIQUES DE CONSTRUCTION ET LES DIMENSIONS INDICUÉES DANS LES PHOTOGRAPHIES ET / OU DESSINS ET OÙ LA COTE D'ETRÉE DU KIT DE MODIFICATION NE DÉPASSE PAS LA CAPACITÉ D'ENTRÉE DU LUMINAIRE.

ONLY THOSE OPEN 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.

WARNING - TO PREVENT WIRING DAMAGE OR ABRASION, DO NOT EXPOSE WIRING TO EDGES OF SHEET METAL OR OTHER SHARP OBJECTS.

AVERTISSEMENT - POUR ÉVITER D'ENDOMMAGER LE CÂBLAGE AUX BORDS DE TÔLE OU D' AUTRES OBJETS POINTUS.

INSTALLERS SHOULD NOT DISCONNECT EXISTING WIRES FROM LAMPHOLDER TERMINALS TO MAKE NEW CONNECTIONS AT LAMPHOLDER TERMINALS. INSTEAD INSTALLERS SHOULD CUT EXISTING LAMPHOLDER LEADS AWAY FROM THE LAMPHOLDER AND MAKE NEW ELECTRICAL CONNECTIONS TO LAMPHOLDER LEAD WIRES BY EMPLOYING APPLICABLE CONNECTORS.

FOR RETROFIT KITS CERTIFIED TO CANADIAN REQUIREMENTS, THE RETROFIT KIT IS ACCEPTED AS A COMPONENT OF A LUMINAIRE WHERE THE SUITABILITY OF THE COMBINATION SHALL BE DETERMINED BY AUTHORITIES HAVING JURISDICTION. PRODUCT MUST BE INSTALLED BY A QUALIFIED ELECTRICIAN IN ACCORDANCE WITH THE APPLICABLE AND APPROPRIATE ELECTRICAL CODES. THE INSTALLATION GUIDE DOES NOT SUPERSEDE LOCAL OR NATIONAL REGULATIONS FOR ELECTRICAL INSTALLATIONS.

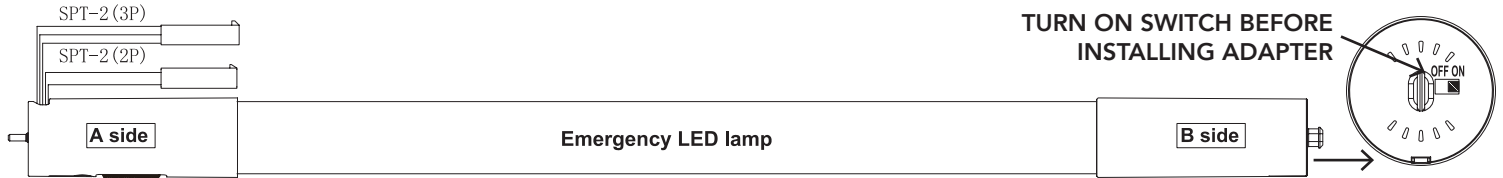
INSTALLERS SHOULD EXAMINE ALL PARTS THAT ARE NOT INTENDED TO BE REPLACED BY THE RETROFIT KIT FOR DAMAGE AND REPLACE AND DAMAGED PARTS PRIOR TO INSTALLATION OF THE RETROFIT KIT.

WARNING - RISK OF FIRE OR ELECTRIC SHOCK. LUMINAIRE WIRING AND ELECTRICAL PARTS MAY BE DAMAGED WHEN DRILLING FOR INSTALLATION OF LED RETROFIT KIT. CHECK FOR ENCLOSED WIRING AND COMPONENTS. THE RETROFIT POSITION IS LOCATED AT THE EDGE OF THE TARGET LUMINAIRE WHICH INSTALLED MAX FOUR LED TUBES. LED TUBES TYPE T8, WHICH HAVE MAXIMUM WATTAGE BY 24W.

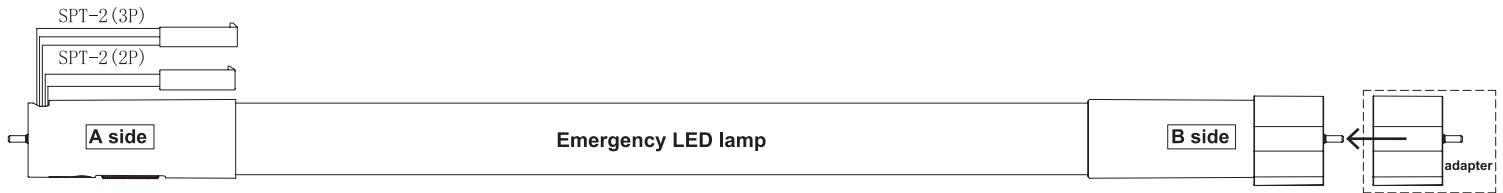
IMPORTANT SAFEGUARDS — WHEN USING ELECTRICAL EQUIPMENT, BASED SAFETY PRECAUTIONS SHOULD ALWAYS BE FOLLOWED INCLUDING THE FOLLOWING.

INSTALLATION

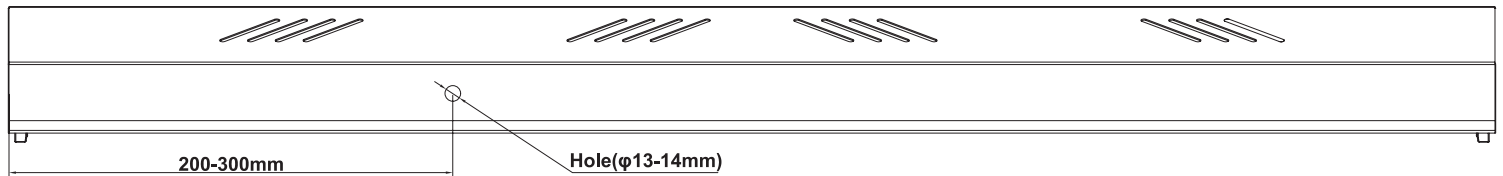
1. TURN THE POWER SWITCH ON THE B SIDE TO THE "ON" POSITION PRIOR TO INSTALLING THE ADAPTER.
NOTE: THE ADAPTER IS NOT REMOVABLE AFTER INSTALLATION.



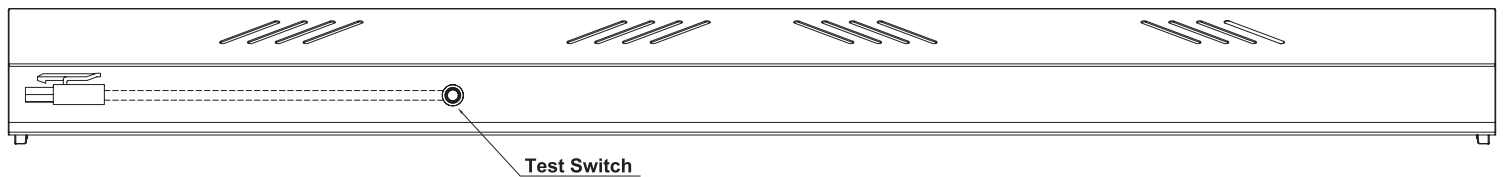
2. ALIGN THE ADAPTER SO THAT THE KEY LINES UP WITH THE SLOT ON THE END CAP. INSTALL ADAPTER BY PRESSING FIRMLY ONTO THE END CAP UNTIL IT IS FULLY SEATED.



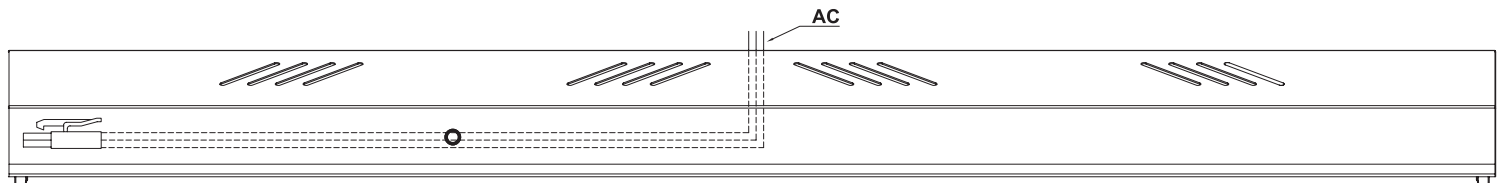
3. DISCONNECT POWER TO THE FIXTURE AND SHUT OFF POWER AT THE BREAKER.
4. REMOVE EXISTING TUBES, REFLECTOR, AND REMOVE THE LAMP HOUSING.
5. IF MOUNTING THE TEST BUTTON TO THE SIDE OF THE FIXTURE, THEN DRILL A HOLE IN AN APPROPRIATE LOCATION AND MOUNT THE SWITCH. OTHERWISE, INSTALL AS REQUIRED.



6. INSTALL THE EXTERNAL TEST SWITCH.



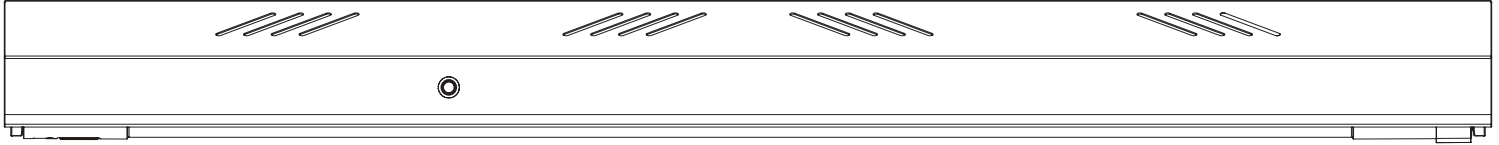
7. CONNECT THE AC TERMINAL WIRE (BLACK, WHITE, RED) IN THE ACCESSORY BOX TO THE JUNCTION BOX.



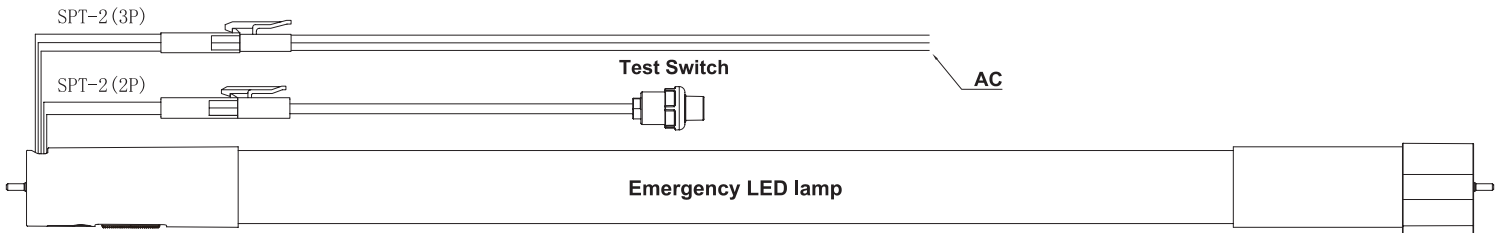
8. INSTALL THE LAMP HOUSING, REFLECTOR, AND EXISTING TUBES.

INSTALLATION

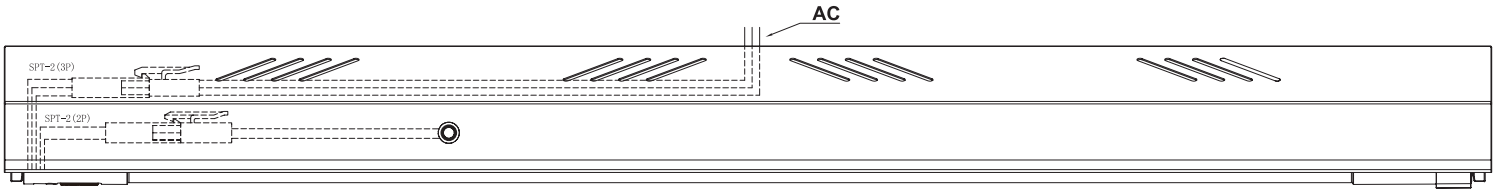
9. INSTALL THE EMERGENCY LED LAMP.



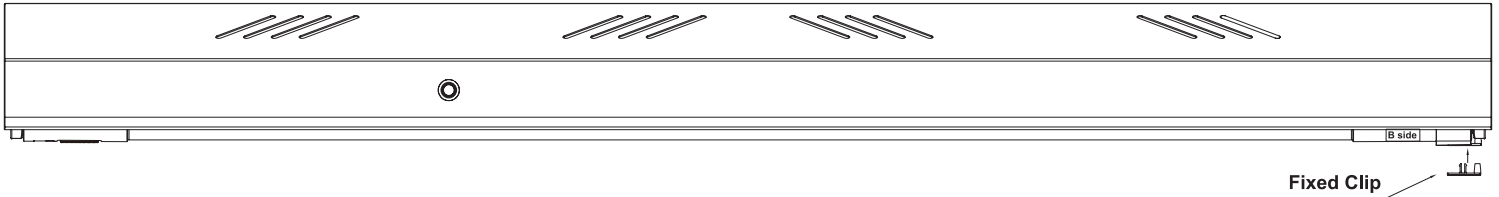
10. AC & TEST SWITCH TERMINAL MALE AND FEMALE ARE PLUGGED TOGETHER.



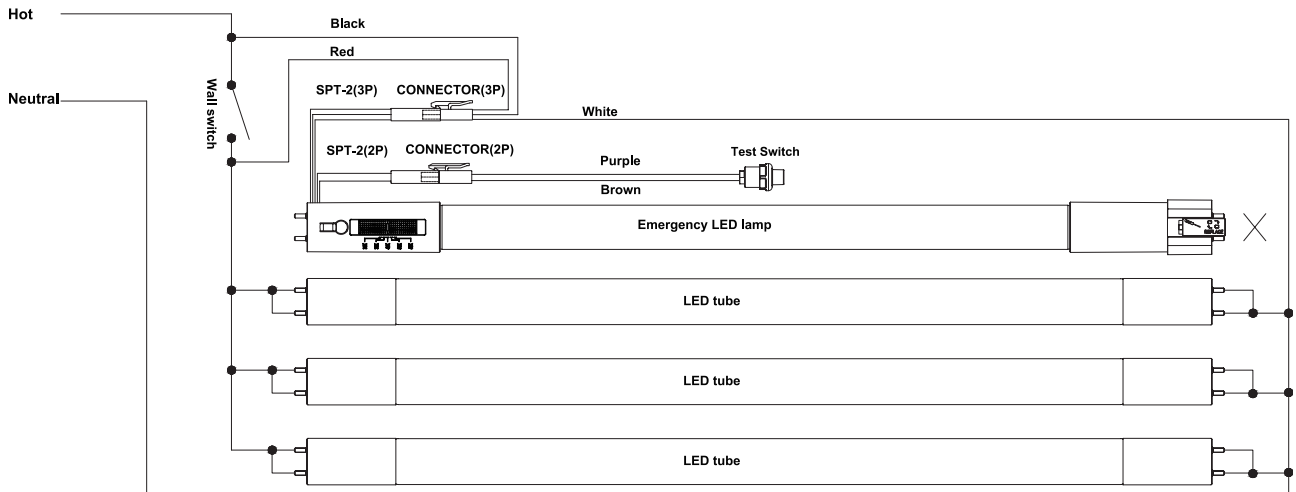
11. THE AC WIRE AND THE TEST SWITCH WIRE ENTER THE INTERIOR OF THE FIXTURE.



12. INSTALL THE FIXED CLIP AT THE B SIDE.



WIRING INSTRUCTION



TESTING PROCEDURES

PRESS THE TEST BUTTON TO CUT THE POWER TO THE AC DRIVER AND SWITCH THE SYSTEM TO EMERGENCY MODE.
RELEASE THE TEST BUTTON TO RETURN TO NORMAL MODE.

SWITCH OFF THE CIRCUIT BREAKER TO SIMULATE A FULL POWER OUTAGE.

FOR INITIAL TESTING, ALLOW THE UNIT TO CHARGE APPROXIMATELY 1 HOUR, THEN CONDUCT A SHORT DISCHARGE TEST. ALLOW A 24 HOUR CHARGE BEFORE CONDUCTING A FULL 90 MINUTE DISCHARGE TEST.

NFPA 101, LIFE SAFETY CODE OUTLINES THE FOLLOWING SCHEDULE:

MONTHLY - INSURE THAT THE INDICATOR LAMP IS ILLUMINATED. CONDUCT A 30 SECOND DISCHARGE TEST BY DEPRESSING THE TEST BUTTON. THE LED LOAD SHOULD OPERATE AT REDUCED OUTPUT.

ANNUALLY - INSURE THAT THE INDICATOR LAMP IS ILLUMINATED. CONDUCT A FULL 90 MINUTE DISCHARGE TEST. THE UNIT SHOULD OPERATE AS INTENDED FOR THE DURATION OF THE TEST.

WRITTEN RECORDS OF THE TESTING SHALL BE KEPT BY THE OWNER FOR INSPECTION BY THE AUTHORITY HAVING JURISDICTION.

THIS DEVICE COMPLIES WITH PART 15 OF THE FCC RULES. OPERATION IS SUBJECT TO THE FOLLOWING TWO CONDITIONS: (1) THIS DEVICE MAY NO CAUSE HARMFUL INTERFERENCE, AND (2) THIS DEVICE MUST ACCEPT ANY INTERFERENCE RECEIVED, INCLUDING INTERFERENCE THAT MAY CAUSE UNDESIRE OPERATION.

