



PRIOR TO INSTALLATION, PLEASE READ THE ENTIRE INSTALLATION INSTRUCTIONS

WARNING

INSTALLATION, SERVICE AND MAINTENANCE OF LUMINAIRES SHOULD BE PERFORMED BY A QUALIFIED LICENSED ELECTRICIAN IN ACCORDANCE WITH THE NATIONAL ELECTRICAL CODE AND RELEVANT LOCAL CODE.

READ INSTRUCTIONS CAREFULLY BEFORE INSTALLATION. KEEP THESE INSTRUCTIONS FOR FUTURE REFERENCE.

DO NOT USE IF LAMP IS DAMAGED.

CAUTION

NOT FOR USE WITH BALLASTS.

NOT FOR USE WITH EMERGENCY EXIT LIGHTS.

NOT SUITABLE FOR USE WITH DIMMER.

SUITABLE FOR "TYPE NON-IC" RECESSED LUMINAIRES WITHOUT DIFFUSER.

DO NOT OPEN – NO USER SERVICEABLE PARTS INSIDE.

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

LED RETROFIT KIT INSTALLATION REQUIRES KNOWLEDGE OF LUMINAIRE ELECTRICAL SYSTEMS. IF NOT QUALIFIED, DO NOT ATTEMPTED INSTALLATION.

INSTALL THIS KIT ONLY IN THE LUMINAIRES THAT HAVE THE CONSTRUCTIONS 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.

TYPE B LAMP - INTENDED FOR OPERATION IN LUMINAIRES WITH TRADITIONAL FLUORESCENT-TYPE LAMP HOLDERS WIRED DIRECTLY TO THE BRANCH CIRCUIT. THIS INCLUDES BOTH FACTORY-WIRED LUMINAIRES AS WELL AS THOSE CONVERTED FOR THIS PURPOSE UNDER A RETROFIT PROGRAM.

INPUT RATINGS MAY NEED TO BE DETERMINED BASED ON ANY CONFIGURATION PERMITTED BY THE INSTALLATION INSTRUCTIONS. REGARDLESS OF THE CONFIGURATION OF THE RETROFIT KIT, THE INPUT RATINGS OF THE OVERALL RETROFIT KIT SHALL NOT EXCEED THE MARKED INPUT RATINGS OF THE HOST LUMINAIRE.

THIS ITEM IS RATED FOR 120-277V.

LUMINAIRE WIRING AND ELECTRICAL PARTS MAY BE DAMAGED WHEN DRILLING FOR INSTALLATION OF LED RETROFIT KIT. CHECK FOR ENCLOSED WIRING AND COMPONENTS.

DO NOT MAKE OR ALTER ANY OPEN HOLE IN WIRING ENCLOSURE OR COMPONENTS DURING INSTALLATION.

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

"THIS LUMINAIRE HAS BEEN MODIFIED TO OPERATE LED LAMPS" SHALL BE MARKED ON THE RETROFIT LUMINAIRE WHERE READILY VISIBLE BY THE USER DURING NORMAL MAINTENANCE, INCLUDING RE-LAMPING.

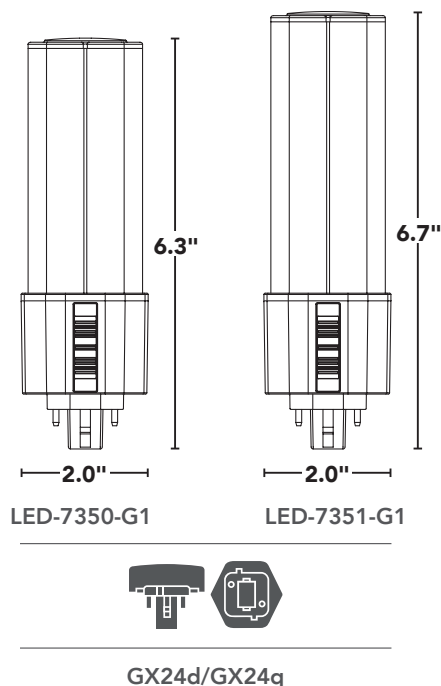
IF THE LAMP OR LUMINAIRE EXHIBITS UNDESIRABLE OPERATION (BUZZING, FLICKERING, ETC.), IMMEDIATELY TURN OFF POWER AND REMOVE LAMP FROM LUMINAIRE AND CONTACT LIGHT EFFICIENT DESIGN.

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.



INSTALLATION

PRODUCT DIMENSIONS



NOTICE

SUITABLE FOR DRY AND DAMP LOCATIONS. DO NOT USE WHERE DIRECTLY EXPOSED TO WEATHER OR WATER.
 NOT FOR TOTALLY ENCLOSED FIXTURE. MAXIMUM AMBIENT TEMPERATURE MUST NOT EXCEED 113°F (45°C).

COMPARTMENT DIMENSIONS

MAKE SURE THE MINIMUM DIMENSIONS FOR THE LAMP COMPARTMENT MEET THE BELOW GUIDELINES:

FIXTURE TYPE	FIXTURE DIMENSIONS	MAX LAMPS IN FIXTURES	LAMPHOLDER-TO-LAMPHOLDER SPACING
NON-ENCLOSED FIXTURE - HORIZONTAL INSTALLATION	7.87 IN x 5.91 IN	2	2.36 IN
NON-ENCLOSED FIXTURE - VERTICAL INSTALLATION	7.87 IN x 9.45 IN	1	N/A
PARTIALLY ENCLOSED FIXTURE INSTALLATION	11.81 IN x 9.35 IN	1	1.89 IN



INSTALLATION

INSTALLATION INSTRUCTIONS

1. READ ALL WARNINGS BEFORE CONTINUING INSTALLATION.
2. ENSURE FIXTURE IS POWERED BY 120-277V.
3. MAKE SURE THE POWER IS OFF AT THE AC MAIN POWER SOURCE OR ELECTRIC PANEL.
4. REMOVE FIXTURE COVER OR LENS, IF APPLICABLE. REMOVE FLUORESCENT LAMP.
5. BEFORE REWIRING, CONFIRM THAT THE NUMBER OF LAMPS PER FIXTURE, THEN REFER TO THE RELEVANT SELECTIONS IN THE COMPARTMENT DIMENSIONS CHART ABOVE.
6. IF THE FIXTURE HAS NO BALLAST, REFER TO DIAGRAM 1 ON THE NEXT PAGE (WIRING DIAGRAMS).
7. IF THE FIXTURE HAS AN ELECTRONIC BALLAST, REFER TO DIAGRAM 2 ON THE NEXT PAGE (WIRING DIAGRAMS).
8. MOVE THE CCT SWITCH TO THE DESIRED SETTING BEFORE INSTALLING THE LAMP.
9. ENSURE THE POWER INPUT PINS ON THE LAMP ALIGN WITH THE CORRESPONDING POWERED CONTACTS IN THE WIRED LAMP.
10. IF MODIFICATIONS WERE MADE, ENSURE THE "MODIFICATION STICKER" IS VISIBLY AFFIXED TO THE FIXTURE, AND IF APPLICABLE, REINSTALL THE HOUSE COVER OR LENS.
11. TURN POWER BACK ON. INSTALLATION IS COMPLETE.

NOTE: THESE INSTRUCTIONS DO NOT COVER ALL DETAILS OR VARIATIONS IN EQUIPMENT, NOR DO THEY PROVIDE FOR EVERY POSSIBLE SITUATION DURING INSTALLATION, OPERATION OR MAINTENANCE.

DIAGRAM 1: FIXTURE W/O BALLAST

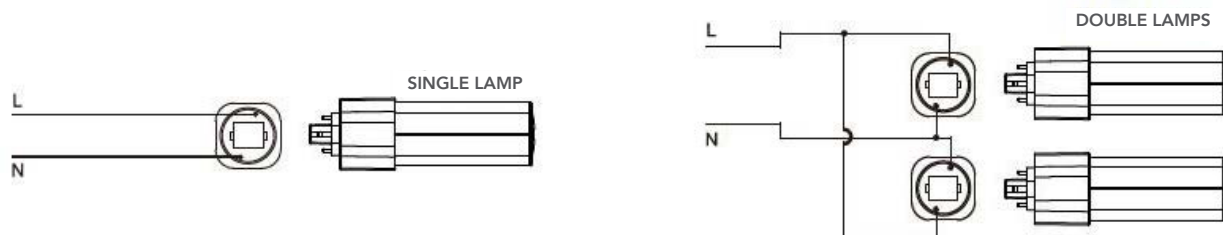
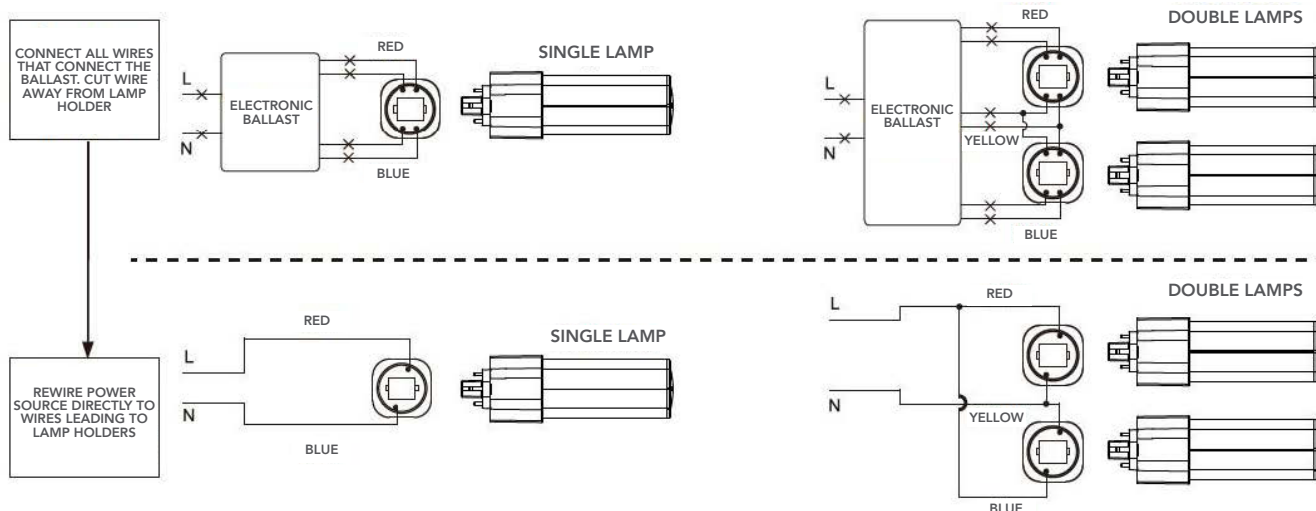


DIAGRAM 2: ELECTRONIC BALLAST FIXTURE WIRING MODIFICATION





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WARNING

BEFORE INSTALLING, SERVICING, OR PERFORMING ROUTINE MAINTENANCE UPON THIS EQUIPMENT, FOLLOW THESE GENERAL PRECAUTIONS.

TO REDUCE THE RISK OF DEATH, PERSONAL INJURY, OR PROPERTY DAMAGE FROM FIRE, ELECTRIC SHOCK, FALLING PARTS, CUTS/ABRASIONS, AND OTHER HAZARDS, READ ALL WARNINGS AND INSTRUCTIONS INCLUDED ON THE FIXTURE BOX AND ALL FIXTURE LABELS.

PROPER GROUNDING IS REQUIRED TO ENSURE SAFETY.

POWER MUST BE TURNED OFF AT THE BREAKER BEFORE INSTALLATION OR MAINTENANCE.

THIS PRODUCT MUST BE INSTALLED IN ACCORDANCE WITH THE APPLICABLE INSTALLATION CODE BY A PERSON FAMILIAR WITH THE CONSTRUCTION AND OPERATION OF THE PRODUCT AND THE HAZARDS INVOLVED.

WEAR GLOVES AND EYE PROTECTION AT ALL TIMES WHILE INSTALLING, SERVICING, OR PERFORMING MAINTENANCE ON THE LUMINAIRE, AND AVOID DIRECT EYE EXPOSURE TO THE LIGHT SOURCE WHILE IT IS ON.

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

DO NOT INSTALL DAMAGED PRODUCT. INSPECT LUMINAIRE FOR DAMAGE THAT MAY HAVE OCCURRED DURING TRANSIT. IF DAMAGED, CONTACT THE MANUFACTURER IMMEDIATELY.

THESE INSTRUCTIONS DO NOT PURPORT TO COVER ALL DETAILS OR VARIATIONS IN EQUIPMENT NOR TO PROVIDE EVERY POSSIBLE CONTINGENCY TO MEET IN CONNECTION WITH INSTALLATION, OPERATION, OR MAINTENANCE. SHOULD FURTHER INFORMATION BE DESIRED OR SHOULD PARTICULAR PROBLEMS ARISE WHICH ARE NOT COVERED SUFFICIENTLY FOR THE PURCHASER'S OR OWNER'S PURPOSES, CONTACT THE MANUFACTURER.

ADVERTENCIA

ANTES DE INSTALAR, REPARAR O REALIZAR EL MANTENIMIENTO DE RUTINA DE ESTE EQUIPO, SIGA ESTAS PRECAUCIONES GENERALES.

PARA REDUCIR EL RIESGO DE MUERTE, LESIONES PERSONALES O DAÑOS A LA PROPIEDAD POR FUEGO, DESCARGA ELÉCTRICA, CAÍDA DE PIEZAS, CORTES / ABRASIONES Y OTROS PELIGROS, LEA TODAS LAS ADVERTENCIAS E INSTRUCCIONES INCLUIDAS CON Y EN LA CAJA DEL DISPOSITIVO Y TODAS LAS ETIQUETAS DEL DISPOSITIVO.

SE REQUIERE UNA CONEXIÓN A TIERRA ADECUADA PARA GARANTIZAR LA SEGURIDAD.

SE DEBE APAGAR LA ENERGÍA EN EL DISYUNTOR ANTES DE LA INSTALACIÓN O EL MANTENIMIENTO.

ESTE PRODUCTO DEBE SER INSTALADO DE ACUERDO CON EL CÓDIGO DE INSTALACIÓN APLICABLE POR UNA PERSONA FAMILIARIZADA CON LA CONSTRUCCIÓN Y OPERACIÓN DEL PRODUCTO Y LOS PELIGROS INVOLUCRADOS.

UTILICE GUANTES Y PROTECCIÓN PARA LOS OJOS EN TODO MOMENTO DURANTE LA INSTALACIÓN, EL SERVICIO O EL MANTENIMIENTO DE LA LUMINARIA, Y EVITE LA EXPOSICIÓN DIRECTA DE LOS OJOS A LA FUENTE DE LUZ MIENTRAS ESTÁ ENCENDIDA.

PARA EVITAR DAÑOS O ABRASIONES EN EL CABLEADO, NO EXPONGA EL CABLEADO A BORDES DE LÁMINAS DE METAL U OTROS OBJETOS AFILADOS.

NO INSTALE UN PRODUCTO DAÑADO. INSPECCIONE LA LUMINARIA EN BUSCA DE DAÑOS QUE PUEDAN HABER OCURRIDO DURANTE EL TRÁNSITO. SI ESTÁ DAÑADO, COMUNÍQUESE CON EL FABRICANTE DE INMEDIATO.

ESTAS INSTRUCCIONES NO PRETENDEN CUBRIR TODOS LOS DETALLES O VARIACIONES EN EL EQUIPO NI PROPORCIONAR TODAS LAS POSIBLES CONTINGENCIAS A CUMPLIR EN RELACIÓN CON LA INSTALACIÓN, OPERACIÓN O MANTENIMIENTO. SI DESEA OBTENER MÁS INFORMACIÓN O SI SURGEN PROBLEMAS PARTICULARES QUE NO ESTÁN SUFICIENTEMENTE CUBIERTOS PARA LOS PROPÓSITOS DEL COMPRADOR O PROPIETARIO, COMUNÍQUESE CON EL FABRICANTE.

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