

LED T8 4FT EXTERNAL INSTALLATION GUIDE

Product

Model	Voltage (V)	Power (W)	Frequency (Hz)	Input Current (A)	Color Temperature(K)
L19T8EX4YY(DR1L)	120 - 277	19	50/60	0.16 / 0.07	3500 / 4000 / 5000
L19T8EX4YY(DR2L)	120 - 277	38	50/60	0.32 / 0.14	3500 / 4000 / 5000
L19T8EX4YY(DR3L)	120 - 277	57	50/60	0.48 / 0.20	3500 / 4000 / 5000
L19T8EX4YY(DR4L)	120 - 277	76	50/60	0.64 / 0.27	3500 / 4000 / 5000

INSTALLATIONS

Step 1: Make sure the circuit breaker that supplies power to the fixture is turned off.

Step 2: Remove lens or diffusion cover on the lighting fixture.

Step 3: Remove the existing T8/T12 florescent tubes.

Step 4: Remove the ballast cover and identify the line and neutral wires running from the breaker box to the ballast and confirm the power is off using a voltmeter.

Step 5: Ensure that the fixture contains non-shunted G13 bi-pin lamp holders. If not, remove Shunted lamp holders and install non-shunted lamp holders.

Step 6: Cut the line and neutral wires at the ballast, as well as all remaining wires at the ballast (see Figure 1).

Step 7: Remove Ballast
(and starter if present).
Dispose of removed ballast
in accordance with
government regulations in your area.

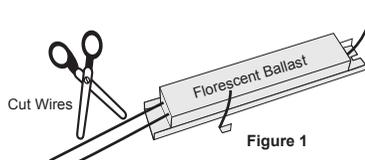


Figure 1

Step 8: Install LED driver according to wiring shown in Figure 2.

Step 9: Reinstall the ballast cover to hide all wire.

Step 10: Install your new LED T8 lamps, see Figure 2a or 2b or 2c for single or multiple lamp installation.

※ Driver is screwed into the light fixture by self threading screw or self tapping screw

Step 11: IMPORTANT : Peel off the provided caution label and install on a visible location inside the fixture.



Step 12: Reinstall lens or diffusion cover on the light fixture.

Step 13: Turn power on at the breaker box.

Step 14: Turn on the lights!

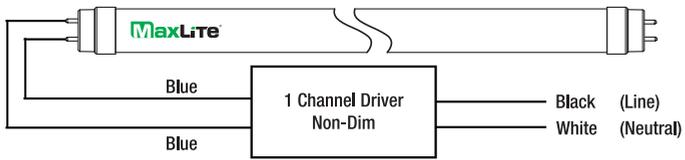


Figure 2a

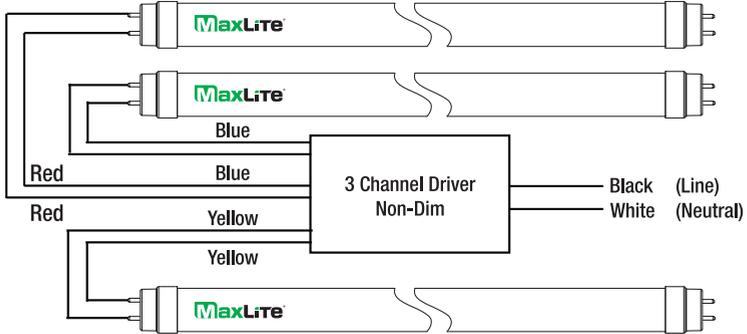
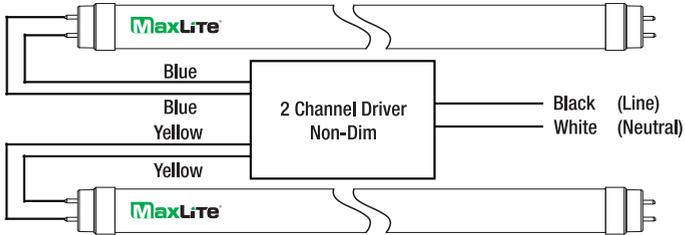


Figure 2b

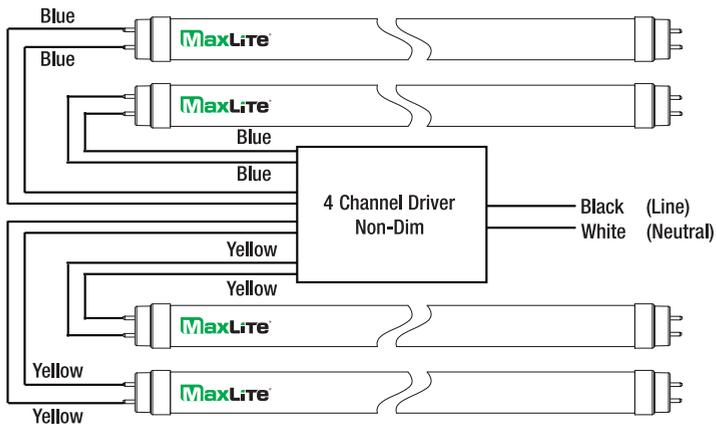


Figure 2c

Note

1. Driver output is polarity neutral.
2. Electrical connection can be made at Logo printed side of lamp.

WARNING

- RISK OF FIRE OR ELECTRICAL SHOCK. INSTALL THIS KIT ONLY LUMINAIRES.**
 - DO NOT MAKE OR ALTER ANY OPEN HOLES IN AN ENCLOSURE OF WIRING OR ELECTRICAL COMPONENTS DURING INSTALLATION.**
 - TO AVOID ELECTRICAL SHOCK, DO NOT DISASSEMBLE PRODUCT.**
 - PRODUCT IS INTENDED TO BE USED IN RECESSED OR SURFACE MOUNTED FIXTURE, WITH OR WITHOUT DIFFUSER.**
 - THIS PRODUCT IS NOT INTENDED FOR USE IN EMERGENCY LIGHT FIXTURES OR EXIT SIGNS.**
 - THIS PRODUCT IS INTENDED FOR DRY AND DAMP INDOOR LOCATIONS. NOT FOR USE WHERE EXPOSED DIRECTLY TO THE WEATHER OR WATER.**
 - RISK OF FIRE OR ELECTRICAL SHOCK: INSTALL THIS KIT ONLY IN LUMINAIRES THAT HAVE THE CONSTRUCTION FEATURES AND DIMENSIONS SHOWN IN THE PHOTOGRAPHS AND/OR DRAWINGS.**
 - TO PREVENT WIRING DAMAGE OR ABRASION, DO NOT EXPOSE WIRING TO EDGES OF SHEET METAL OR OTHER SHARP OBJECTS.**
 - TO PREVENT PERSONAL INJURY, RISK OF FIRE AND PRODUCT DAMAGE, ONLY LICENSED ELECTRICIANS SHOULD PROVIDE ALL INSTALLATION SERVICES.**
 - RISK OF FIRE OR ELECTRICAL SHOCK. LUMINAIRES WIRING, BALLASTS, OR OTHER ELECTRICAL PARTS MAY BE DAMAGED WHEN INSTALLATION OF RETROFIT KIT HARDWARE. CHECK FOR ENCLOSED WIRING AND COMPONENTS.**
- ※ MINIMUM LAMP COMPARTMENT DIMENSIONS:**
- 4 FT : 1200MM(L) X 530MM(W) X 80MM(H)**
- INSTALLERS SHOULD NOT DISCONNECT EXISTING WIRES FROM LAMPHOLDER TERMINALS TO MAKE NEW CONNECTIONS AT LAMPHOLDER TEMINALS. INSTEAD INSTALLERS SHOULD CUT EXISTING LAMPHOLDER LEADS AWAY FROM THE LAMPHOLDER AND MAKE NEW ELECTRICAL CONNECTIONS TO LAMPHOLDER LEAD WIRES BY EMPLOYING APPLICABLE CONNECTORS.**
 - THIS PRODUCT MUST BE INSTALLED IN ACCORDANCE WITH THE APPLICABLE INSTALLTION CODE BY A PERSON FAMILIAR WITH THE CONSTRUCTION AND OPERATION OF THE PRODUCT AND THE HAZARDS INVOLVED.**

-RISK OF FIRE OR ELECTRICAL SHOCK. DO NOT USE THIS PRODUCT IN LUMINAIRES EMPLOYING SHUNTED BI-PIN LAMP HOLDERS.

-RISK OF FIRE OR ELECTRICAL SHOCK. DISCONNECT POWER BEFORE INSTALLATION AND VERIFY POWER IS OFF BEFORE WORKING ON THE FIXTURE.

-RISK OF FIRE OR ELECTRICAL SHOCK. THE ELECTRICAL RATING OF THIS PRODUCT IS 120-277VAC. -THE INSTALLER MUST ASSURE THAT THERE IS 120-277VAC AT THE LUMINAIRE BEFORE INSTALLATION.

-DO NOT CONNECT TO ANY OTHER VOLTAGE OTHER THAN 120-277VAC (NOMINAL). IMPROPER VOLTAGE MATCHING, SUCH AS 347VAC, CAN RESULT IN PERFORMANCE DEGRADATION, PHYSICAL DAMAGE AND RISK OF SERIOUS INJURY.

NOTE :

SHUNTED LAMP HOLDERS ARE FOUND IN FLUORESCENT LUMINAIRES WITH INSTANT-START BALLASTS. INSTANT-START BALLASTS CAN BE IDENTIFIED BY THE WORDS "INSTANT START" OR "I.S" MARKED ON THE BALLAST. THIS DESIGNATION MAY BE IN THE FORM OF STATEMENT PERTAINING TO THE BALLAST ITSELF, OR MAY BE COMBINED WITH THE MARKING FOR THE LAMPS WITH WHICH THE BALLAST IS INTENDED TO BE USED, FOR EXAMPLE F40T12/IS. FOR MORE INFORMATION, CONTACT THE LED LUMINAIRE RETROFIT MANUFACTURER. INTENDED TO BE USED FOR SURFACE-MOUNTED OR TYPE IC OR TYPE NON-IC RECESSED FLUORESCENT UL AND C-UL LISTED LUMINAIRES THAT USE STRAIGHT TUBULAR MAXIMUM LENGTH 4-FEET, 3-FEET OR 2-FEET LAMPS WITH DIFFUSER. DO NOT INSTALL IN A RACEWAY OR A LUMINAIRE MARKED FOR THROUGH BRANCH WIRING.