

Please read all the instructions before attempting installation

### Bypass TYPE-B with double-ended input. CCTselect + WATTselect

- Product is dimmable.

#### Warnings:

- THIS PRODUCT MUST BE INSTALLED IN ACCORDANCE WITH ALL APPLICABLE NATIONAL OR LOCAL CODES. THIS INSTALLATION REQUIRES THE MODIFICATION OF EXISTING FLUORESCENT LUMINAIRE AND IT IS RECOMMENDED THAT THIS BE COMPLETED BY A QUALIFIED ELECTRICIAN.
- **RISK OF SHOCK:** Disconnect power at the fuse or circuit breaker, not the wall switch.
- **Risk of fire or electric shock:** Install this kit only in the luminaires that have the construction features and dimensions shown in the drawings. Do not install in A PRE-HEAT Luminaire.
- **Risk of fire or electric shock:** luminaires wiring, ballasts, or other electrical parts may be damaged when drilling for installation of retrofit kit hardware. Check for enclosed wiring and components.
- To prevent wiring damage or abrasion, do not expose wiring to edges of sheet metal or other sharp objects.
- This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.
- This lamp only operates on AC120-277V. If lamp does not light when the luminaire is energized, Remove lamp from luminaire and contact lamp manufacturer or qualified electrician.

#### Warnings (continued):

- This product may cause interference to radio equipment and should not be installed near safety communications equipment or other critical navigation or communication equipment operating between 0.45 - 30MHZ.
- These devices are not intended for use with emergency EXIT Fixtures or Emergency EXIT Lights.

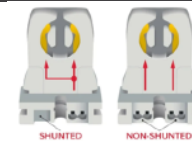
#### Important Safety Instructions:

- Do not make or alter any open holes in an enclosure of wiring or electrical components during kit installation.
- The end retrofit luminaire has been modified and can no longer operate the originally intended lamp.
- **Caution-Risk of electric shock** – suitable for damp location.
- **Risk of electric shock** – do not use where directly exposed to water.
- This device is not intended for use with emergency exit fixtures or emergency exit lights.
- **This LED tube can be wired in either a double-ended configuration.**



### Installation Instructions

- Determine whether the Luminaire Lamp holder is Shunted or Non-shunted type.
- Before continuing, determine if the lamp holders currently installed in the luminaire are shunted or non-shunted. If you are still unsure which type lamp holders your luminaire has, contact a Qualified Electrician.
- **Instant Start Ballasts = SHUNTED LAMP HOLDER**
- **Rapid Start, Programmed-start, or Dimming Ballasts = NON-SHUNTED LAMP HOLDER**



### Retrofit / Conversion Instructions

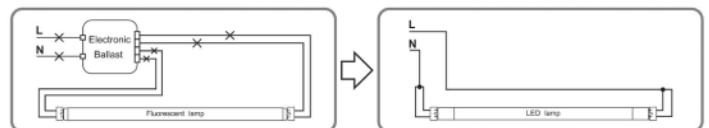
- STEP 1: Disconnect power from fixture.  
 STEP 2: Remove fluorescent lamp(s)/ Tube(s).  
 STEP 3: Remove wiring compartment cover to access ballast and wiring.  
 STEP 4: Cut Ballast wires per corresponding diagram below. Cut Ballast wires as close to ballast as possible to leave as much wire as possible for making necessary connections to lamp holders. Use properly sized UL Listed wire connectors.

#### 1 LAMP DOUBLE ENDED INPUT

Instant Start = Shunted Lamp Holder:

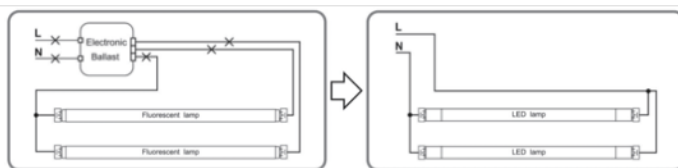


Program Start or Rapid Start = Non-shunted Lamp Holder:

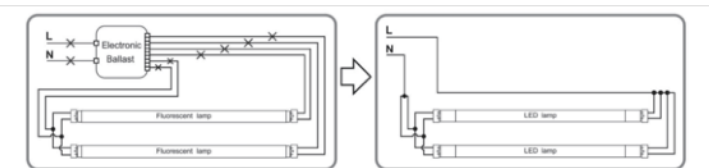


#### MULTIPLE LAMP DOUBLE ENDED INPUT

Instant Start = Shunted Lamp Holder:



Program Start or Rapid Start = Non-shunted Lamp Holder:



- STEP 5: Double check wiring. Replace ballast cover; place the supplied field conversion label in a visible place on the luminaire.  
 STEP 6: Install Tube(s) paying attention to the Line (L) & Neutral (N) Markings on the ends per Figure 2.



- STEP 7: Turn power back on at fuse or breaker. Test at wall switch. If all tube illuminate, replace diffuser if applicable.

## CCTselect + WATTselect

Select the color temperature through the CCT switch on the LED lamp's base

Select the power (WATTAGE) through the CCT switch on the LED lamp's other base

- Using the color (CCT) selector switch on the base, select the desired color temperature (2700K, 3000K, 3500K, 4000K or 5000K).
- Using the power (WATTAGE) selector switch on the other base, select the power(WATTAGE) (18W,15W,12W,10W or 8W).
- To prevent damage to lamp, lamp must not be energized when color (CCT) or power (WATTAGE) selector switch is changed.



## Application

Replacement tube light to be used in the office building, factories, shopping malls, schools, supermarkets, hotels, underground parking lots, subways, governmental projects and etc.