

## INSTALLATION & OPERATING INSTRUCTIONS (continued)

### Retrofit Installation

#### • Double-ended

**STEP 1:** Turn power OFF.

**STEP 2:** Remove existing fluorescent lamps and diffuser (if applicable).

**STEP 3:** Open ballast compartment cover, cut the wires as shown in Figure 2, and remove the ballast. Disconnect starter (if applicable).

**STEP 4:** Connect the L wires to the lampholders (yellow for 2 lamps), connect the N wires to the lampholders (red and blue for 2 lamps) and insulate the unused wires as shown in Figure 4.

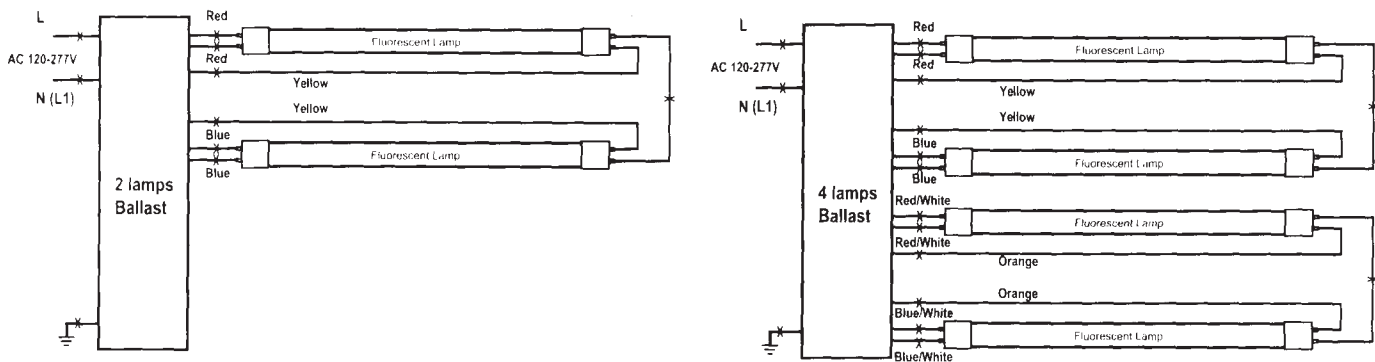
**STEP 5:** Close compartment cover and make sure live parts are not accessible. Visibly adhere field-applied label inside the luminaire.

**STEP 6:** If the lampholders are non-shunted, install the LED lamp and make sure the endcap close to the silver label is connected to the lampholders with L wires (yellow for 2 lamps), then cover the diffuser (if applicable).

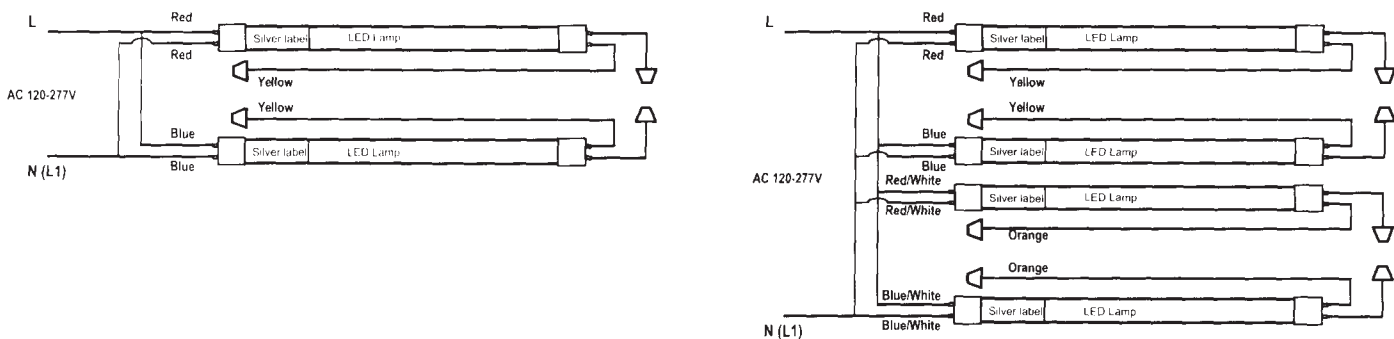
If the lampholders are shunted, install the LED lamp and the endcap close to the silver label can connect to any lampholders, then cover the diffuser (if applicable).

**STEP 7:** Turn power ON and verify that the lamps are working correctly. If not, immediately turn power off and contact a qualified electrician.

**Figure 2. Typical Ballast Wiring. NOTE: Different Ballast may use different color wires.**



**Figure 3. NOTE: Do not leave any loose wires exposed.**



**Figure 4. NOTE: For Double-ended, if the lampholders are non-shunted, the endcap close to the silver label should connect to the wires (yellow or orange). If not, some lamps will not function.**

