

# INSTALLING YOUR NU III BALLAST

## 6 USEFUL TIPS

1. Must utilize #18 AWG solid copper wire, stripped by 1 cm (3/8 of an inch) in length.  
*Should connectors be damaged due to the use of the wrong type of wire, reimbursement will not be honored.*
2. Be sure to always connect the ground wire first if fixture is not already grounded.  
*Verify the suggested voltage of operation on the label to ensure that you are using the correct voltage; otherwise, damaged product will not be reimbursed.*
3. If the use of a dimmer is required, verify that the dimmer switch being used is electronic and that hook-up meets with polar indicated on the ballast label.
4. Use T8 tubes. Make sure that the lamp connectors are bipolar, with two insulated contacts (rapid start).
5. Power up ballast only after all hook-ups such as lamps, controls (dimmer, occupancy detector, photocell) and power have been made. This measure is necessary to reduce the risk of shock and/or damage to the ballast.
6. When replacing ballasts, verify if lamps and ballast wiring in the fixture is the same as the one indicated by B+L Technologies. There are different wiring configurations, but they are not suitable for every type of ballast.



Mounting NU III ballast onto a lighting fixture.

## MAINTENANCE HINTS

All NU3 ballast models come equipped with a circuit detecting incorrect connection of lamps. Once the circuit becomes operational, the ballast enters interruption mode. This mode consists of making lighting attempts every 15 seconds.

We suggest that you verify the status of your lamps daily to avoid leaving a ballast in interrupt mode. This could cause lamps to deteriorate prematurely.

## TROUBLESHOOTING

Problem: Lamps do not operate steadily and flicker at a 15 second interval.

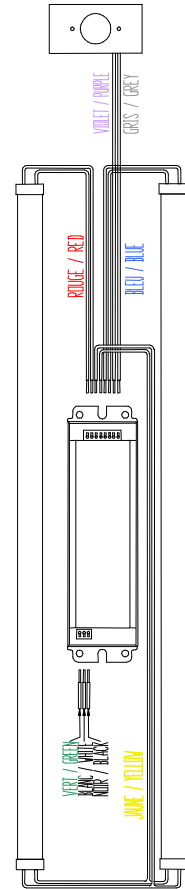
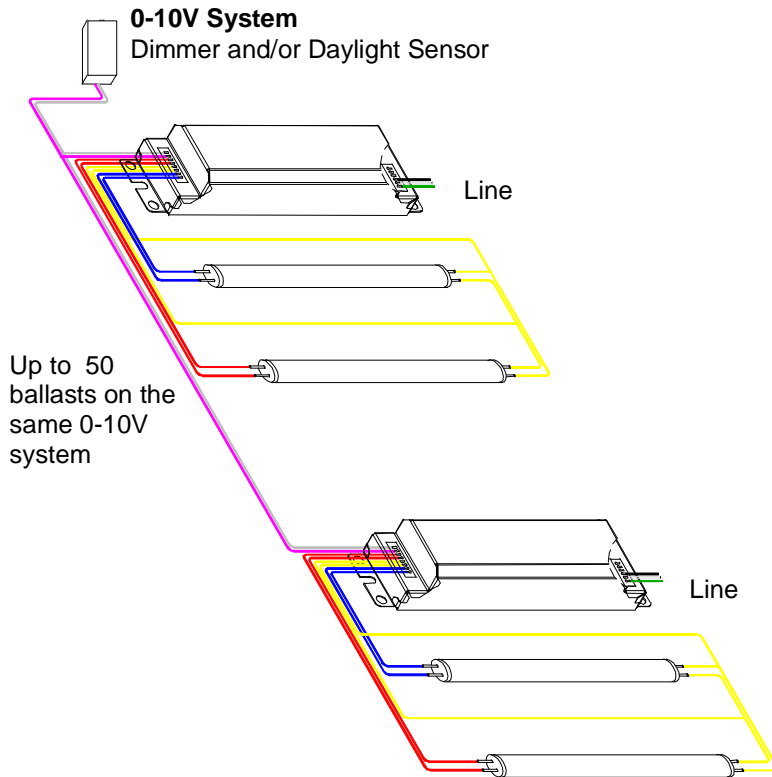
- Verify wire connection of lamp.
- Make sure that connections to lamp and ballast are in securely.
- Verify that lamp tubes and electrodes are in good condition and conform to ballast specifications.

Problem: Lights won't come on.

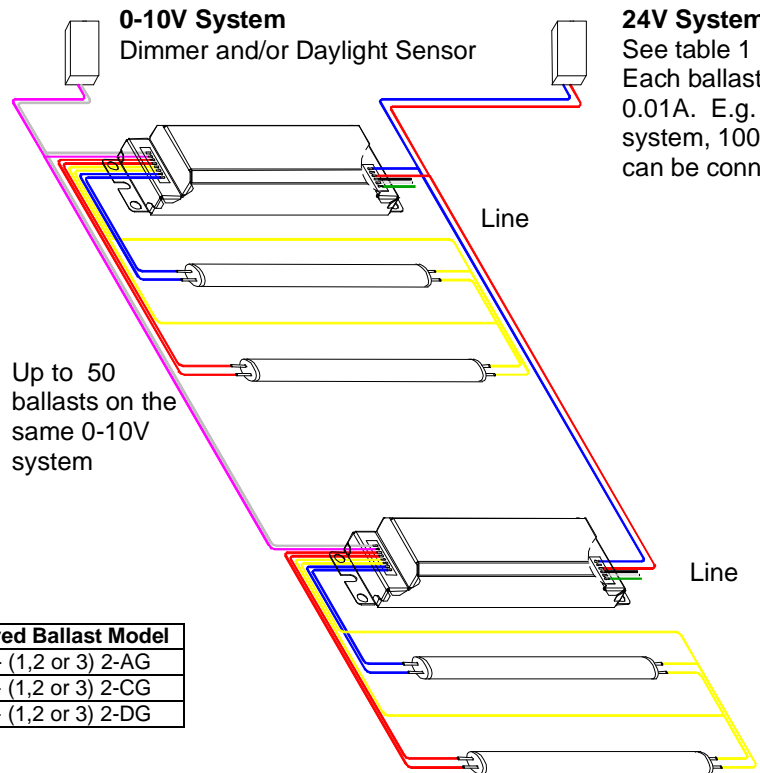
- Make certain that ballast is grounded and power is connected.
- Make sure all wires are securely connected according to recommendations.
- Make sure that lamp connections are in good working order.

# INSTALLATION METHOD

## Nuance 3 use with 0-10V system



## Nuance 3 use with 0-10V system & 24V control system



**Table 1) 24V Systems**

Control Mode	Required Ballast Model
24V AC/DC ON/OFF remain type	NU3- (1,2 or 3) 2-AG
24V AC ON/OFF 2 wires pulse type	NU3- (1,2 or 3) 2-CG
24V AC ON/OFF 3 wires pulse type	NU3- (1,2 or 3) 2-DG