



# INSTALLING YOUR NUANCE VI BALLAST

## 4 USEFUL TIPS

1. 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.
2. Use PL TWIN, QUAD or TRIPLE 4 pins lamps or 2D, T5, T8 or T12 fluorescent tubes per maximum wattage recommended. Make sure that sockets for lamps are of the same type (same power).
3. Power up ballast only after all hook-ups such as lamps and power have been made. This measure is necessary to reduce the risk of shock and/or damage to the ballast.
4. For ballast with End-of-Lamp-Life Protection, do not short red wires or blue wires together as permanent damage to ballast would occur.



NU6-1128-PSX, 120V

## RECOMMENDED LAMPS

### 120V (model NU6-1128-...)

| Twin<br>(4 pins) | Quad<br>(4 pins) | Triple<br>(4 pins) | 2D          | T5          | T8      | T12         |
|------------------|------------------|--------------------|-------------|-------------|---------|-------------|
| 1 & 2 x 5W       | 1 & 2 x 10W      | 1 & 2 x 13W        | 1 & 2 x 10W | 1 & 2 x F4  | 1 x F13 | 1 & 2 x F14 |
| 1 & 2 x 7W       | 1 & 2 x 13W      | 1 x 18W            | 1 x 16W     | 1 & 2 x F6  | 1 x F14 | 1 x F15     |
| 1 & 2 x 9W       | 1 x 18W          | 1 x 26W            | 1 X 21W     | 1 & 2 x F8  | 1 x F15 | 1 x F20     |
| 1 & 2 x 11W      | 1 x 26W          |                    | 1 X 28W     | 1 & 2 x F13 | 1 x F16 |             |
| 1 x 13W          |                  |                    |             | 1 & 2 x F14 | 1 x F17 |             |
| 1 x 18W          |                  |                    |             | 1 x F21     | 1 x F18 |             |
| 1 x 24W          |                  |                    |             | 1 x F28     | 1 x F25 |             |

### 277V & 347V (model NU6-2128-... and NU6-3128-...)

| Twin<br>(4 pins) | Quad<br>(4 pins) | Triple *<br>(4 pins) | 2D      | T5      | T8      | T12     |
|------------------|------------------|----------------------|---------|---------|---------|---------|
| 1 x 5W           | 1 x 10W          | 1 x 13W              | 1 x 10W | 1 x F4  | 1 x F13 | 1 x F14 |
| 1 x 7W           | 1 x 13W          | 1 x 18W              | 1 x 16W | 1 x F6  | 1 x F14 | 1 x F15 |
| 1 x 9W           | 1 x 18W          | 1 x 26W              | 1 X 21W | 1 x F13 | 1 x F15 |         |
| 1 x 11W          | 1 x 26W          |                      | 1 X 28W | 1 x F14 | 1 x F16 |         |
| 1 x 13W          |                  |                      |         | 1 x F21 | 1 x F17 |         |
| 1 x 18W          |                  |                      |         | 1 x F28 | 1 x F18 |         |
| 1 x 24W          |                  |                      |         |         | 1 x F25 |         |

\* Note: May not work with all triples. Test your particular lamp prior to use



## INSTALLATION METHODS

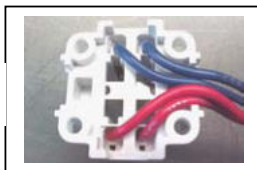
**Cabling diagrams for ballast models:**

**NU6-1128-...  
NU6-2128-...  
NU6-3128-...**

Note : Must join 2 red wires together for all NU6-1128 single lamp applications except T5 F8

|  | <u>TWIN</u><br>5, 7<br>9, 11<br>13, 18<br>& 24W | <u>TRIPLE / QUAD</u><br>10, 13<br>18, 26W | <u>T5</u><br>F8 | <u>T5</u><br>F4, F6<br>F13, F14<br>F21, F28<br><br>T8<br>F13, F14<br>F15, F16<br>F17, F18<br>& F25<br><br>T12<br>F14, F15<br>& F20 | <u>2D</u><br>10, 16<br>21, 28W | <u>TWIN</u><br>5, 7<br>9, 11W | <u>TRIPLE / QUAD</u><br>10, 13W | <u>T5</u><br>F8, F13<br>& F14<br><br>T8<br>F13 & F14<br><br>T12<br>F14 | <u>2D</u><br>10W |
|--|---|---|-----------------|--|--------------------------------|-------------------------------|---------------------------------|--|------------------|
|  |   |   |                 |  |                                |                               |                                 |  |                  |
| <b>120V</b><br>BALLAST<br>BLACK / WHITE<br>YELLOW<br>RED                     |   |   |                 |  |                                |                               |                                 |  |                  |
| <b>120V</b><br>BALLAST<br>BLACK / WHITE<br>YELLOW<br>RED<br>NC               |   |   |                 |  |                                |                               |                                 |  |                  |
| <b>120V</b><br>BALLAST<br>BLACK / WHITE<br>YELLOW<br>RED<br>RED              |   |   |                 |  |                                |                               |                                 |  |                  |
| <b>277V / 347V</b><br>BALLAST<br>BLACK / WHITE<br>BLUE<br>BLUE<br>RED<br>RED |   |   |                 |  |                                |                               |                                 |  |                  |

**277V / 347V  
Lamp wiring**



Note: For ballast with End-of-Lamp-Life Protection, do not short red wires or blue wires together as permanent damage to ballast would occur.

## TROUBLESHOOTING

**Problem: Lights won't come on:**

- ➔ Make certain that power is connected correctly
- ➔ Make sure that lamp connections are in good working order
- ➔ Make sure all wires are securely connected according to wiring instructions

**Common causes of premature ballast failures:**

- ➔ Use of lamps with EOL on ballasts with EOL protection
- ➔ Wiring diagram is not followed strictly. (See above)
- ➔ Wires are loose, loose contacts on wires and sockets
- ➔ Ballasts are too close to lamps. Must have 2" distance between lamp and ballasts
- ➔ Ballasts operating at higher than specified temperature

**B+L Technologies Inc.**

3570 Charter Park Drive, San Jose, CA 95136

Tel.: (408) 269-7884 • 1-800- 361-1400

Fax : (408) 269-7638