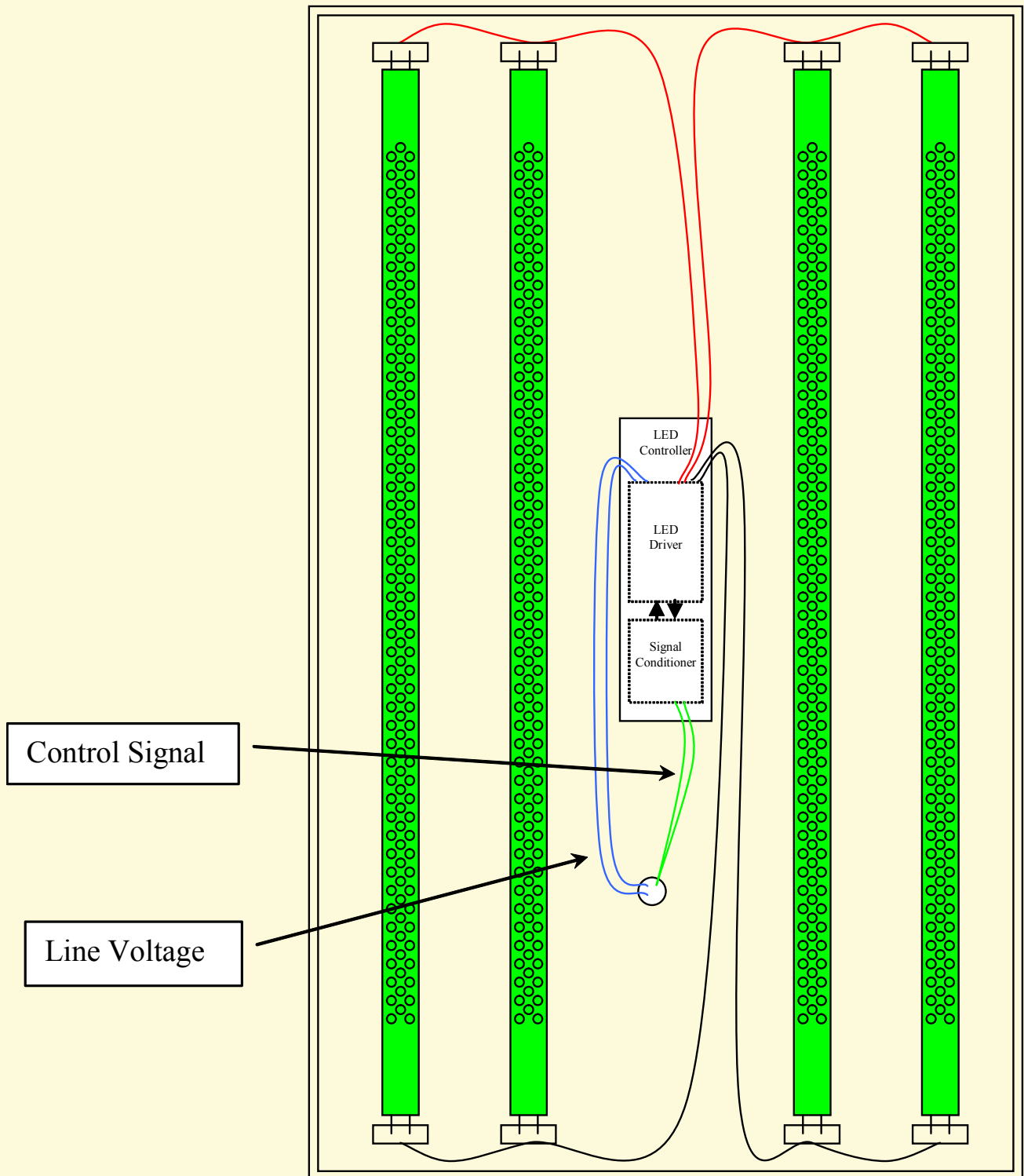
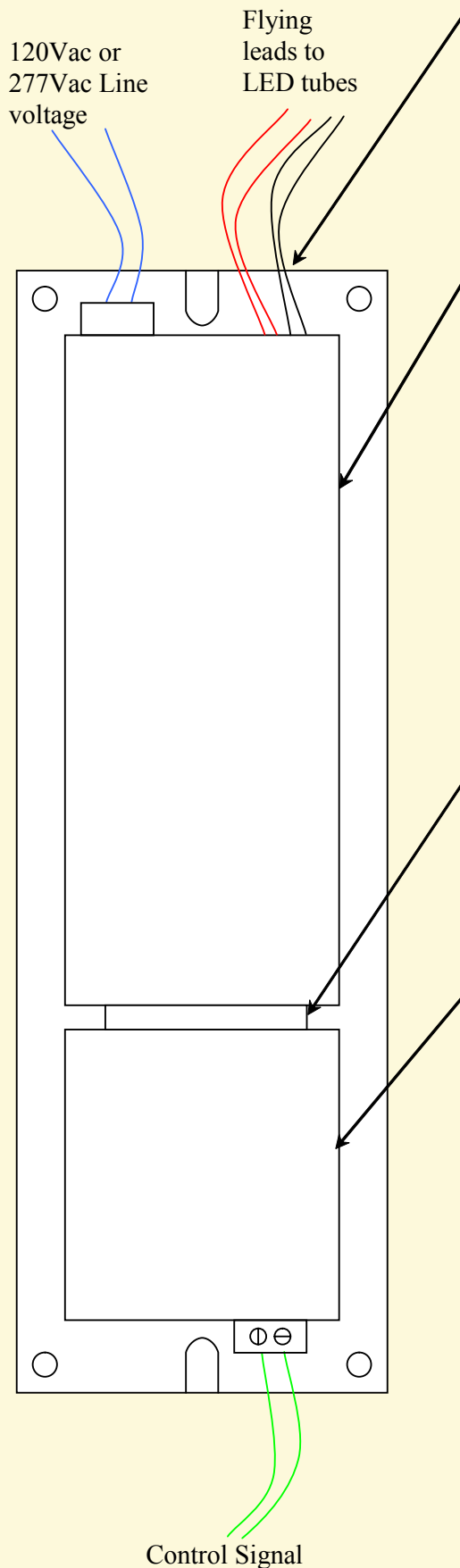


Typical revised wiring for a fixture converted to LED-Tubes with module installed for remote controlled Dimming and ON/OFF.





Mounting Base

1. Conforms to existing fluorescent ballast form factors
2. Provides integrated mounting for LED driver and signal conditioner
3. Low cost flat plastic construction

LED Driver

1. Line voltage is connected with screw terminals (or push-in connectors)
2. Produces regulated power for LED tubes
3. Accepts PWM signal from Signal Conditioner
4. Provides power to Signal Conditioner (24Vdc <100mA)
5. Requires UL certification
6. Able to drive between 2 & 6 LED tubes

Interconnection

1. 24V power from LED driver to signal conditioner
2. PWM dimming control from signal conditioner to LED driver

Signal Conditioner

1. Many versions for dimming control from various signal types
 - a. 0-10V
 - b. 0-20mA
 - c. TRIAC
 - d. RS485
 - e. BACnet
 - f. LONworks
 - g. PWM
 - h. Pulse
 - i. Tri-state
 - j. Zwave
 - k. X10
 - l. Customer Specified
2. No need for UL (Except TRIAC or other high voltage versions)
3. Connections made via screw terminals