

Model 12K

Power Supply Adjustment Instructions

When using electrical equipment, basic safety precautions should always be followed including the following:

READ AND FOLLOW ALL SAFETY INSTRUCTIONS:

- ◆ This product must be installed and serviced by licensed electrical contractors familiar with these instructions
 - ◆ Always install in accordance with all applicable electrical codes
 - ◆ Always disconnect power from the **FLATLITE®** system before servicing
 - ◆ Use of any components not supplied with the **FLATLITE®** system or the modification of the components supplied, may cause an unsafe condition
 - ◆ Do not use this equipment for other than its intended purpose
 - ◆ This equipment is approved and rated for connection of lamps as specified. Never exceed the Total Load Rating of any power supply.
- 1 **Completely disconnect from any power source.** Remove the cover from the power supply and place so the components inside are accessible, and the switches are facing you.
 - 2 Ensure that the correct output modules are connected to the electronics module for your lamp size:
2,600 - 3,100 in² 1 Style "S" 4,800 - 7,800 in² 1 Style "S" and 1 Style "D"
3,100 - 4,800 in² 1 Style "D" 7,800 - 12,500 in² 2 Style "D"
 - 3 Move the "On/ Off" switch to the off position.
 - 4 Locate the output and limit adjust pots. They are on the far side of the board from the switch. The **OUTPUT** adjust is white and on the right, the **LIMIT** adjust is blue and to the left. **Only use non-conductive tools to adjust these pots!**
 - 5 Turn the output pot all the way counterclockwise, set the limit pot at approximately the midpoint.
 - 6 Connect a voltmeter capable of reading up to 400 VAC rms to the output of the power supply (using a test cable, or at the distribution wiring connection)
 - 7 After ensuring that all lamp connections have been made and properly insulated, connect the power supply to an appropriate grounded power outlet. NOTE: that all adjustments must be made with lamp connected to power supply.
 - 8 Turn on Power Supply, the lamp should be dimly lit, and the voltage should read less than 280VAC.
 - 9 Adjust the voltage output and limit:
 - a) Slowly turn the output pot clockwise until the meter reads at least 330VAC but not more than 350VAC. If the voltage does not rise to 330VAC, turn the limit pot counter-clockwise 1/4 turn.
 - b) Slowly turn the limit pot clockwise until the voltage decreases to 330VAC.
 - c) Allow the supply to stabilize for several minutes, adjust if necessary
 - d) Next, turn the output pot counter-clockwise to 280VAC or your desired output voltage
 - e) Allow the system to stabilize for five minutes. Then re-adjust the voltage to 280VAC. At this setting, the lamp is operating at its brightest. To reduce the brightness, and increase the life of the lamp, adjust the output lower until the output matches your requirements.

Electronics
Module

To Lamp



Limit Adjust

Output Adjust

