



FLATLITE®

The world's widest, thinnest, longest lightbulb™

System for Interior
Architectural and Display
Lighting

Design Application and Installation Instructions

This Manual is also available on-line at www.e-lite.com

Exclusively for use with **FLATLITE®** electroluminescent lamps. A product of
E-Lite Technologies, Inc. Trumbull, CT USA



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1. Cautions and Warnings

! IMPORTANT SAFEGUARDS !

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 the instructions in this manual
- ✓ **FLATLITE** lamp material is an electrical appliance operating at 280 VAC/ 650 Hz. Do not cut or pierce without proper tools and training. Disconnect from power source if damaged. Not intended for use in or under water. Never install in an accessible area without a protective cover to prevent access. Do not install directly over an ungrounded metal surface. Never wire multiple lamps in series.
- ✓ Always install in accordance with all applicable electrical codes
- ✓ Always disconnect power from the **FLATLITE** system before servicing.
- ✓ Equipment must be mounted securely in locations and at heights where it will not be readily subject to tampering by unauthorized personnel
- ✓ 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 in the system design section. Never exceed the Total or Minimum Load Rating of any power supply.

SAVE THESE INSTRUCTIONS



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2. System Design

A. SYSTEM COMPONENTS

The **FLATLITE®** system for Interior Architectural and Display lighting consists of the **FLATLITE®** electro-luminescent lamp in a surface mount extrusion, with matching inter-connect accessories, and an appropriately sized and specified power supply

FLATLITE® Lamps:

1. 1/2", 1", 3", or 6" in width
2. Provided in 240' or 480' coils
3. Standard colors are white or green-blue, standard or custom overlays available
4. Thickness is 0.025"
5. Encapsulation laminate is suitable for use in humid or damp locations, and is UV stabilized. Not recommended for direct immersion.
6. The lamp may be curved or folded within certain parameters
7. The lamp does not generate heat in use
8. **FLATLITE®** lamps do not deteriorate if not illuminated.
9. At full brightness the lamp will emit 20 – 24 footlamberts
68.5 - 82.2 *candela/m²* of luminance.

FLATLITE® Surface Mounting Track:

- 1 Supplied in 10' lengths
- 2 Track components include an extruded UL94V0 rated, UV stabilized,
- 3 clear PVC base and with Polycarbonate lens.
- 4 The base has a self-adhesive mounting tape for easy positioning
- 5 May be curved, within limits, perpendicular to the plane of the lamp

E-Lite Power Supplies:

- 1 Supplied in 4 capacities determined by total length of installed lamp
- 2 UL Listed, CE Compliant
- 3 For operation from 110 or 220VAC line voltage
- 4 Fuse protected inputs
- 5 Automatic short and open circuit protected outputs
- 6 Special safety circuit on certain models prevents shock hazard



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B. POWER SUPPLY SIZING

To determine the proper power supply for your application use the following table:

Lamp Width	Installed Length (Feet)		Installed Length (Meters)		Power Supply Model
	From	To	From	To	
1/2" 12.7mm	16	42	4.8	12.8	600A
	42	100	12.8	30.4	600B
	100	300	30.4	91.4	2200A
	300	420	91.4	128	2200B
1" 25.4mm	8	21	2.4	6.4	600A
	21	50	6.4	15.2	600B
	50	150	15.2	45.7	2200A
	150	210	45.7	64	2200B
3" 76.2mm	2.8	6.9	0.8	2.1	600A
	6.9	16.7	2.1	5.1	600B
	16.7	50.0	5.1	15.2	2200A
	50.0	72.2	15.2	22.0	2200B
6" 151.2mm	1.4	3.5	0.4	1.1	600A
	3.5	8.3	1.1	2.5	600B
	8.3	25.0	2.5	7.6	2200A
	25.0	36.1	7.6	11.0	2200B

C. ELECTRICAL CHARACTERISTICS

FLATLITE® lamps operate at a higher voltage and frequency than most electrical components. Depending upon the brightness required, the E-Lite power supplies will operate according to the following parameters:

PS Model	Power Range		Input				Output			
	Watts		Voltage		Frequency		Voltage		Frequency	
	From	To	From	To	From	To	From	To	From	To
600A	4.5	11	100	240	50	60	150	330	580	740
600B	11	27								
2200A	27	81								
2200B	81	116								



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D. CALCULATING ELECTRICAL LOAD REQUIREMENTS

Each square inch of FLATLITE Lamp draws 0.045 watts at it's nominal operating brilliance. To calculate the total current requirements of an installation, multiply the installed length in linear feet by the factor below, divide that amount by the line voltage to obtain amperes.

1/2"	x0.27	3"	x1.62
1"	x0.54	6"	x3.24

Example: 100' of 1" Lamp at 110VAC:

$$100 * 0.54 = 54 \text{ watts} \quad 54/110 = .49 \text{ amperes}$$

E. CONNECTED LAMP LENGTHS

Uninterrupted continuous runs of lamp can be made in the following maximum lengths (to the capacity of the power supply)

1/2"	350'	3"	150'
1"	300'	6"	100'

Multiple lamps can be operated in parallel or daisy-chained to the capacity of the power supply.

F. POWER SUPPLY DISTRIBUTION

Minimum 18 gauge, 300VAC rated stranded copper wire is recommended for distribution wiring when installing the FLATLITE system. Due to the operating voltage of the lamp, the power supply can be located at a relatively long distance from the lamp itself. Less than 100' for any of the lamps will not effect the output. To calculate the amount of voltage drop in your system using 18ga. wire use the data from the ELECTRICAL CHARACTERISTICS table and the following formula:

$$\% \text{ voltage drop} = \frac{\text{amps} \times \text{length of wire in feet} \times .00651}{\text{output voltage}}$$

a drop of 5% or less will not have a noticeable effect on the output of the lamp. Increasing the size of the distribution wiring will enable longer distribution runs.

NOTE: Your local electrical codes govern the use of conduit, plenum rated sheathing and other installation requirements.



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G. CALCULATING LAMP LIFE

FLATLITE Lamps have an installed life that varies with the operating brilliance. To calculate the replacement life for your application, use the table below. It is important that the system be specified to have the output voltage adjusted as noted to ensure full life characteristics.

WHITE LAMP for Architectural Decorative Applications

Average Replacement Life Characteristics when powered from FLATLITE Power Supplies

Useful life in months at various duty cycles				Useful Life	Luminance	Luminance	Voltage
25%	50%	75%	100%	Hours	Foot Lamberts	Candela/ m2	AC
101.5	50.8	33.8	25.4	18278	11	37.7	200
92.0	46.0	30.7	23.0	16556	12	41.1	210
82.4	41.2	27.5	20.6	14833	13	44.5	220
72.8	36.4	24.3	18.2	13111	14.5	49.7	230
63.3	31.6	21.1	15.8	11389	15.5	53.1	240
53.7	26.9	17.9	13.4	9667	16.5	56.5	250
44.1	22.1	14.7	11.0	7944	17.7	60.6	260
34.6	17.3	11.5	8.6	6222	18.8	64.4	270
25.0	12.5	8.3	6.2	4500	20	68.5	280

H. LAMP COLORS

FLATLITE Lamps are manufactured in white and green/blue. E-Lite Technologies offers standard color overlays in Blue, Violet, and Florescent Red, Yellow, Orange and Green.

Additionally, the **FLATLITE** installation tracks are designed to enable any custom color filter to be inserted over the lamp. Custom colors are available from third party manufacturers serving the theatrical lighting industry.



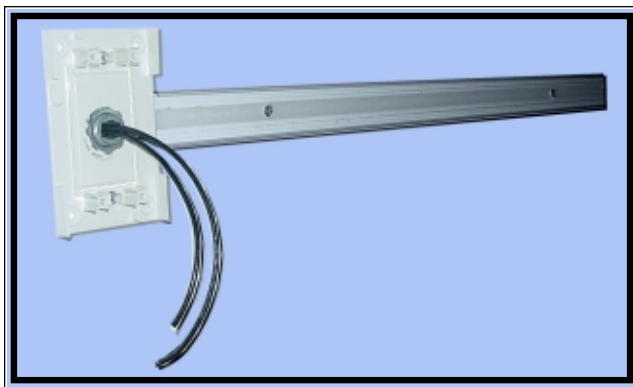
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3. Installing Mounting Track

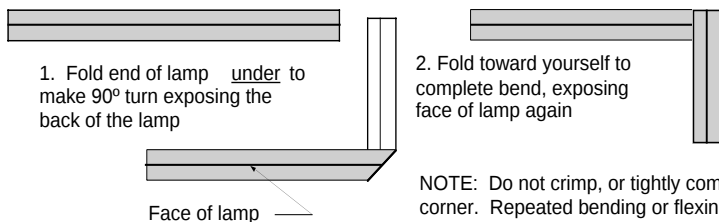
1. Layout your installation marking the bottom or inside edge of the track location lightly in pencil.
2. Cut the track to length, mitering corners.
3. Remove the protective tape to expose the self adhesive strip
4. Apply Track to wall following line
5. Attach Track securely to surface as necessary by drilling and countersinking holes, and using flat head screws (not provided).
6. Using Track as a guide, cut clear lens to length, allowing butt joints at corners.
7. At service end, install surface mount plastic junction box as illustrated below:



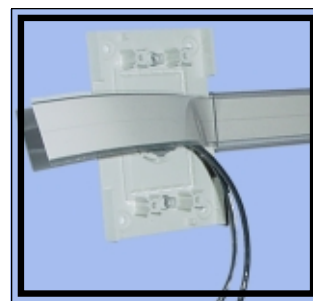
4. Installing Lamp in Track

1. Starting from service end, leave several inches of lamp inside box
2. Slide or flex lamp into track, metallic foil side to track, making corners as shown below:

To make a 90° right turn:



NOTE: Do not crimp, or tightly compress corner. Repeated bending or flexing at the same point will damage lamp.



3. At end of track, cut lamp with scissors to fit, and insulate exposed end by covering completely with end sealing tape.
4. Slide or flex color filters into track over lamp if desired.
5. Slide or flex clear lens into track over lamp.



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5. Terminating Lamp and Making Electrical Connections

Carefully read and follow these instructions:

- 1 Insert the Pre-Terminated Leads in the lower jaw of the Crimp Tool by feeding the bare wire end through the holes as illustrated in *Figure 2*. You will need to gently pull the spring loaded holder downward to allow the crimps to seat properly. The "U" on the crimp terminals must be open to the top, and the leads pulled through until the terminals are firmly seated in the jaw. Twisting the wire leads together behind the upper jaw helps to maintain alignment.

Spring Loaded
terminal holder

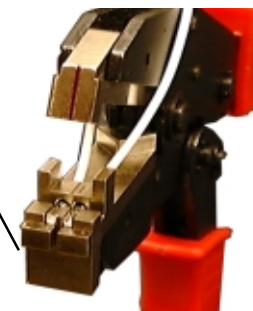


Figure 2

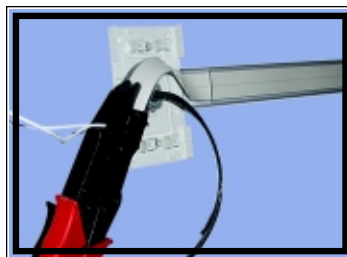
- 2 Place lamp over terminals in lower jaw, carefully aligning the scribe line in the center of the lamp with the marks on the tool as illustrated in *Figure 3*.



Figure 3

- 3 Close the tool carefully, being certain to maintain lamp alignment. When the crimp has been made, the tool will automatically release.

- 4 Inspect the crimp. One terminal should pierce the lamp on either side of the scribe line and should be firmly folded over. *Figure 4* (Hold the lamp up to light ensure there is no crossing or deformation of the line by the terminal.)



- 5 Slightly angle the leads away from each other to avoid the potential for a short circuit. Then, insulate the crimp w/ the Connector Sealing Tape, being certain to cover all metal components. *Figure 5*. Allow 24 hours for tape to cure for maximum effectiveness



Figure 4



Figure 5



Figure 6

- 6 Make connection to distribution wiring with wirenuts or crimps as required by local code. *Figure 7*

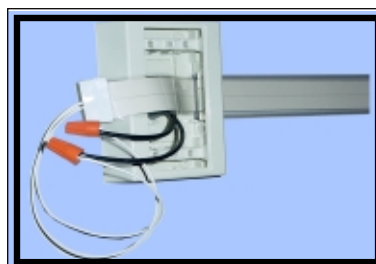


Figure 7





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6. Attaching and Adjusting Power Supply

Using the connection harness supplied with the power supply, attach the distribution wiring to the power supply using wire nuts or crimps as required by local code.

The power supply must then be set up carefully according to the following instructions.

Confirm that the supply was properly sized for the total lamp installation before proceeding.

Before adjusting the power supply, refer to the lamp life calculation chart on page 7 to determine the proper output voltage setting for the supply.

You will need the following tools:

- Phillips screwdriver to open power supply case

- Non-Conductive adjustment tool

- Voltmeter capable of reading up to 400VAC

The lamp must be connected to the power supply to adjust.



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Model 600A

Power Supply Adjustment Instructions

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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 Confirm that the input voltage select jumper (A) is placed correctly for your operating voltage 110 or 220 VAC.

3 Match the power supply to the lamp size. The 600B covers two operating ranges, and the proper internal selection must be made. Locate the Lamp Size Jumper (D). Lift the white jumper straight up and replace to change settings for:

Small Lamp: 100 - 150 in²

Large Lamp: 150 - 250 in²

4 Locate the output and limit adjust pots. The output pot (B) is white, and to the edge of the board. The limit pot (C) is blue, and centered on the board. **Only use non-conductive tools to adjust these pots!**

5 Turn the output pot (B) all the way counterclockwise, turn the limit (C) all the way clockwise

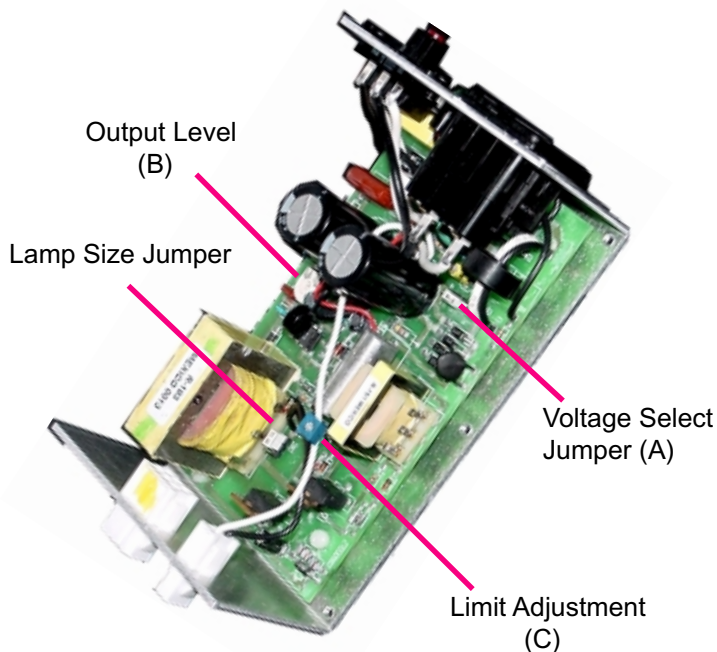
6 Connect a voltmeter capable of reading up to 400 VAC rms to the output of the power supply (usually by inserting the probes into the back of the molex™ lamp connector)

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.

9 Turn on Power Supply, the lamp should be dimly lit, and the voltage should read less than 280VAC.

10 Adjust the voltage output and limit:

- a) Turn the output pot (B) all the way clockwise. .
- b) Slowly turn the limit (C) pot counter-clockwise until the voltage increases to 330VAC.
- c) Allow the supply to stabilize for several minutes, adjust if necessary
- d) Next, turn the output pot (B) 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 (B) lower until the output matches your requirements.





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Model 600B

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 Confirm that the input voltage select jumper (A) is placed correctly for your operating voltage 110 or 220 VAC.

3 Match the power supply to the lamp size. The 600B covers two operating ranges, and the proper internal selection must be made. Locate the Lamp Size Jumper (D). Lift the white jumper straight up and replace to change settings for:

Small Lamp: 250 - 400 in²

Large Lamp: 400 - 600 in²

4 Locate the output and limit adjust pots. The output pot (B) is white, and to the edge of the board. The limit pot (C) is blue, and centered on the board. **Only use non-conductive tools to adjust these pots!**

5 Turn the output pot (B) all the way counterclockwise, turn the limit (C) all the way clockwise

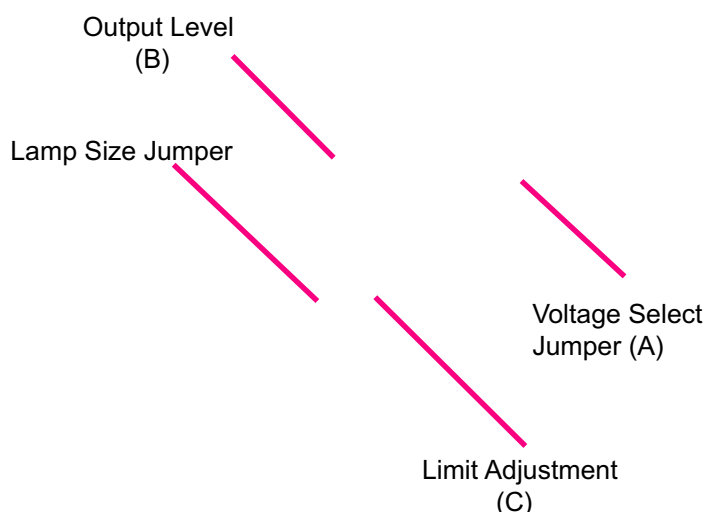
6 Connect a voltmeter capable of reading up to 400 VAC rms to the output of the power supply (usually by inserting the probes into the back of the molex™ lamp connector)

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.

9 Turn on Power Supply, the lamp should be dimly lit, and the voltage should read less than 280VAC.

10 Adjust the voltage output and limit:

- a) Turn the output pot (B) all the way clockwise. .
- b) Slowly turn the limit (C) pot counter-clockwise until the voltage increases to 330VAC.
- c) Allow the supply to stabilize for several minutes, adjust if necessary
- d) Next, turn the output pot (B) counter-clockwise to 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 (B) lower until the output matches your requirements.





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Model 2200A-N

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 Confirm that the input voltage select jumper (A) is placed correctly for your operating voltage 110 or 220 VAC.

3 Match the power supply to the lamp size. The 2200A covers three operating ranges, and the proper internal connections must be made. Locate the 4 terminals indicated as E3, E5, E8 and E10 just in front of the toroidal choke. Attach the 4 wires from the choke as follows:

E3 - White Wire

E5 - Blue for 600 to 1,000 in²
- Black for 1,000 to 1,500 in²
- Red for 1,500 to 1,800 in²

E8, E10 - Unused color leads

4 Move the "FLASH" switch and the "On/ Off" switch to the off position.

5 Locate the output and limit adjust pots. The output pot (B) is closest to you, white, and to the right of the board. The limit pot (C) is closer to the toroidal choke, blue, and centered on the board. **Only use non-conductive tools to adjust these pots!**

6 Turn the output pot (B) all the way counterclockwise, turn the limit (C) all the way clockwise

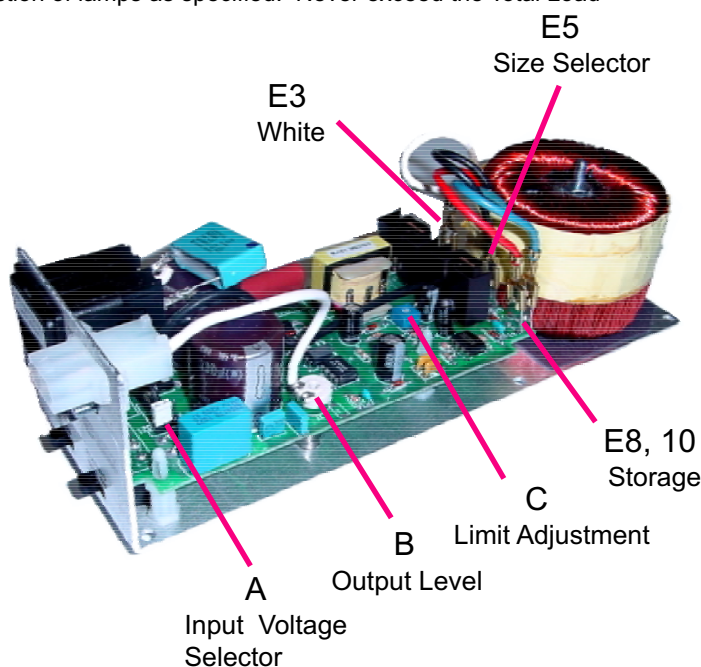
7 Connect a voltmeter capable of reading up to 400 VAC rms to the output of the power supply (usually by inserting the probes into the back of the mox™ lamp connector)

8 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.

9 Turn on Power Supply, the lamp should be dimly lit, and the voltage should read less than 280VAC.

10 Adjust the voltage output and limit:

- a) Turn the output pot (B) all the way clockwise. .
- b) Slowly turn the limit (C) pot counter-clockwise until the voltage increases to 330VAC.
- c) Allow the supply to stabilize for several minutes, adjust if necessary
- d) Next, turn the output pot (B) 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 (B) lower until the output matches your requirements.





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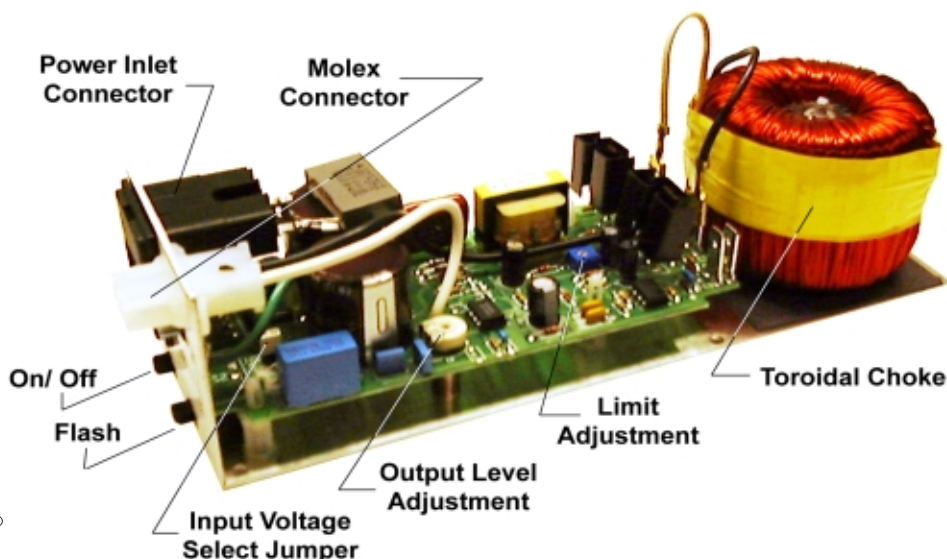
Model 2200B-N

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.
- 4 Move the "FLASH" switch and the "On/ Off" switch to the off position.
 - 5 Locate the output and limit adjust pots. The output pot is closest to you, white, and to the right of the board. The limit pot is closer to the toroidal choke, blue, and centered on the board. **Only use non-conductive tools to adjust these pots!**
 - 6 Turn the output pot all the way counterclockwise, set the limit pot at approximately the midpoint.
 - 7 Connect a voltmeter capable of reading up to 400 VAC rms to the output of the power supply (usually by inserting the probes into the back of the molex™ lamp connector)
 - 8 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.
 - 9 Turn on Power Supply, the lamp should be dimly lit, and the voltage should read less than 280VAC.
 - 10 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.





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Troubleshooting Systems with 600A or B Power Supplies

FLATLITE systems are very reliable when properly installed. However, the unique nature of an electroluminescent lamp and the extensive safety features of the power supply require some specific troubleshooting techniques.

PROBLEM: Lamp Does not Light

1. Check Power Supply Power

Is the Supply plugged into a working outlet?

Fuses in the Power Supply inlet connector good?

Is the Supply on/off switch set to on?

Provide proper input voltage and current

Replace Fuses

Switch to "on"

2. Check Power Supply Adjustment

Has the supply been properly adjusted for the lamp load? Refer to installation Instructions

3. Check Protection Circuit

Is the Green Light Off?

Unplug and re-plug supply from outlet

4. Check Lamp Connections

Is the lamp connected to the Power Supply?

Install/ Repair Connector

Are the lamps wired correctly?

Unplug the lamp(s) from the power supply

Measuring across the lamp leads with a digital multi-meter check the following:

1. Continuity Yes Short Circuit in Wiring

Remove Short*

2. Capacitance No Open Circuit in Wiring

Repair Wiring*

Replace Power Supply

PROBLEM: Lamp Blinks or Flashes

1. Input Voltage Select

Has the supply been set for the proper input voltage?

Refer to installation Instructions

2. Power Supply Adjustment

Has the supply been properly adjusted for the lamp load? Refer to installation Instructions

Replace Power Supply

PROBLEM: Lamp is Dim

1. Power Supply Adjustment

Has the supply been properly adjusted for the lamp load? Refer to installation Instructions

2. Lamp replacement required

Has the lamp been operating past it's useful life?

Replace Lamp

PROBLEM: Power supply adjustments operate reversed from normal

1. Mismatch of lamp size and power supply.

Lamp size is beyond the range of the supply

Correct position of the lamp size jumper

Replace power supply with correct model

PROBLEM: The 280VAC operating voltage cannot be reached

1. Mismatch of lamp size and power supply.

Lamp size is beyond the range of the supply

Correct position of the lamp size jumper

Replace power supply with correct model

2. Input voltage select

Input voltage jumper is in wrong position

Turn off power, then repeat adjustment procedure.

* Note: Problem may be in lamp crimp attachment or in distribution wiring. Disconnect lamp from distribution wiring to troubleshoot.



FLATLITE®

The world's widest, thinnest, longest lightbulb™

System for Interior
Architectural and Display
Lighting

Troubleshooting Systems with 2200A-N or B-N Power Supplies

FLATLITE systems are very reliable when properly installed. However, the unique nature of an electroluminescent lamp and the extensive safety features of the power supply require some specific troubleshooting techniques.

PROBLEM: Lamp Does not Light

1. Check Power Supply Power

Is the Supply plugged into a working outlet?

Fuses in the Power Supply inlet connector good?

Is the Supply on/off switch set to on?

Provide proper input voltage and current

Replace Fuses

Switch to "on"

2. Check Power Supply Adjustment

Has the supply been properly adjusted for the lamp load? Refer to installation Instructions

3. Check Lamp Connections

Is the lamp connected to the Power Supply?

Are the lamps wired correctly?

Measuring across the lamp leads with a digital multi-meter check the following:

1. Continuity Yes Short Circuit in Wiring

2. Capacitance No Open Circuit in Wiring

Install/ Repair Connector

Unplug the lamp(s) from the power supply

Remove Short*

Repair Wiring*

Replace Power Supply

PROBLEM: Lamp Blinks or Flashes

1. Flashing Switch

Is the Flash switch set to on?

2. Input Voltage Select

Has the supply been set for the proper input voltage?

Refer to installation Instructions

3. Power Supply Adjustment

Has the supply been properly adjusted for the lamp load? Refer to installation Instructions

Replace Power Supply

PROBLEM: Lamp is Dim

1. Power Supply Adjustment

Has the supply been properly adjusted for the lamp load? Refer to installation Instructions

2. Lamp replacement required

Has the lamp been operating past its useful life?

Replace Lamp

PROBLEM: Power supply adjustments operate reversed from normal

1. Mismatch of lamp size and power supply.

Lamp size is beyond the range of the supply

Correct position of the lamp size jumper

Replace power supply with correct model

PROBLEM: The 280VAC operating voltage cannot be reached

1. Mismatch of lamp size and power supply.

Lamp size is beyond the range of the supply

Correct position of the lamp size jumper

Replace power supply with correct model

2. Input voltage select

Input voltage jumper is in wrong position

Turn off power, then repeat adjustment procedure.

* Note: Problem may be in lamp crimp attachment or in distribution wiring. Disconnect lamp from distribution wiring to troubleshoot.