

PV-Lite™ 3000 Expander Addendum

Thank you for purchasing our 3000 expander. When installed in accord with these instructions, it will give years of dependable service.

What expansion does for you:

Expansion doubles the amount of lighting power available to you by adding two more light bars to your existing lighting rig. Expansion does not change the functions of the foot controller which operates in exactly the same way as it did before you expanded your system.

Power requirements:

Because, with an expanded system, you are running twice the lighting power you will need to consider where you are to obtain this additional electrical power from.

Most wall-mounted 115 volt electrical power sources are connected to a 20-amp circuit breaker and will power two PV-Lite 3000 lighting bars provided nothing else is connected to the same circuit. You will therefore need two 20-amp circuit breakers to power a complete expanded system.

Take care that the separate wall sockets you use are powered from different circuit breakers. Many wall sockets are often terminated at the same circuit breaker. If in doubt ask.

Also make sure that another power-hungry piece of equipment such as a beer-chiller, ice-maker or small air conditioner is not running from the same circuit breaker. If this is so then adding your lighting load will cause the breaker to trip. Find another circuit or get permission to disconnect the power-hungry device until you have finished with your lighting.

Assembly:

1) Unpack the expansion kit. You will find:

Two lightbars complete with lamps, gel frames and gel.

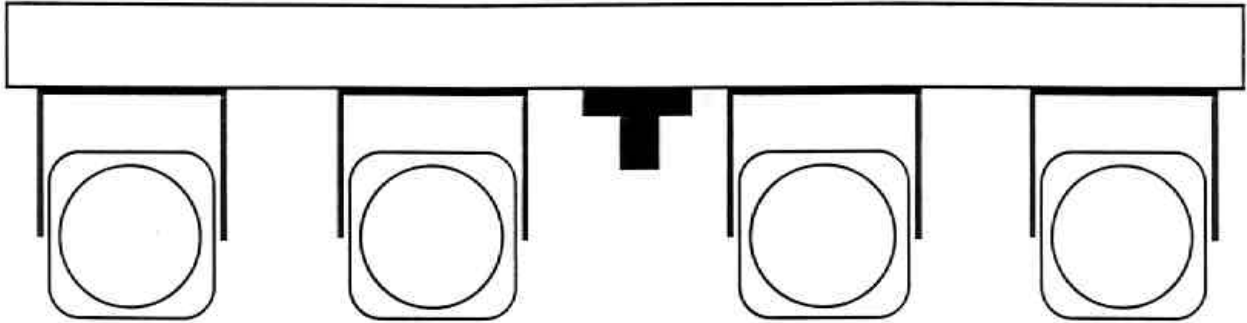
Also two 2' telephone leads and mounting hardware as follows:

Two 1/4-20 x 9" long coach bolts:

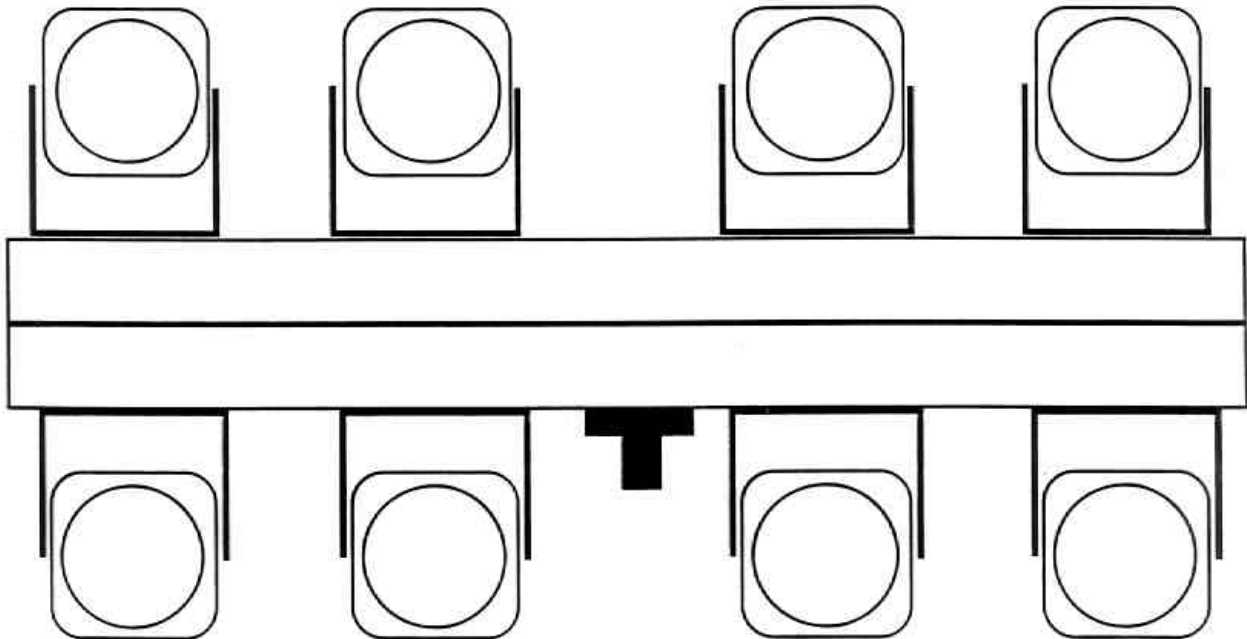


Two washers and two wing nuts.

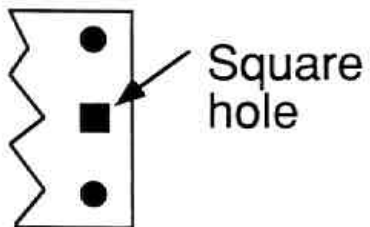
2 Place one of the original (not expander) light bars on the ground as shown:



3) Place one of the expander light bars on top of the original 3000 light bar as shown:



Insert one of the 1/4-20 x 9" long coach bolts into the square hole found at one end of the expansion light bar:



Push it right through both lightbars:



Place one of the washers on the coach bolt and screw a wing nut onto it:



Perform the same operation on the other end of the lightbars. Tighten up both wing nuts. You now have a rigid expanded assembly.

Perform the above steps using the other light bar and expander bar.

Now fit all necessary lamps, gels and gel frames etc.

Controller logic connections:

The 30' logic telephone lead connects the PV-Lite 3000 controller to a lightbar in the same way that it did before you expanded your system.

Take one of the 2' telephone leads. Plug one end of it into the jack marked OUTPUT 0-10 V LOGIC on the PV-Lite original light bar and the other end into the jack marked INPUT 0-10 V LOGIC on the expansion light bar. In this way logic signals are routed to both light bars.

Completion:

You can now fit each assembly to a lighting stand and connect the AC drop cords to electrical power.



Features and specifications subject to change without notice.

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