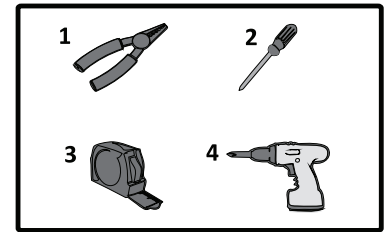
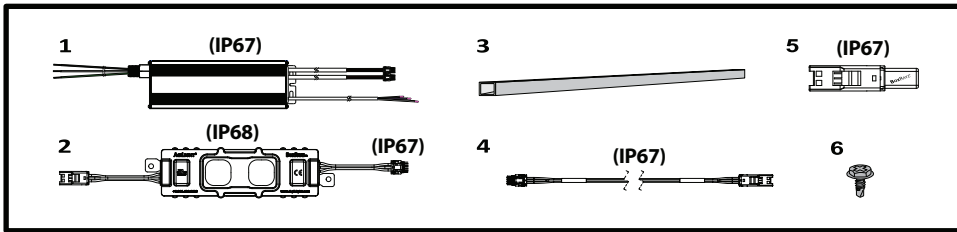




Read Instructions Completely Before Installation. Altering The Product In Any Way Voids The Warranty.



Components:

1. Class 2 Constant Current power supply dual output: PS1050-150W-100-277V-20
2. AgiLight® BoxRayz® 600 LED Modules
3. Aluminum bar
4. BoxRayz® Jumper Cable
5. BoxRayz® End Plug
6. #8 (M4) screws

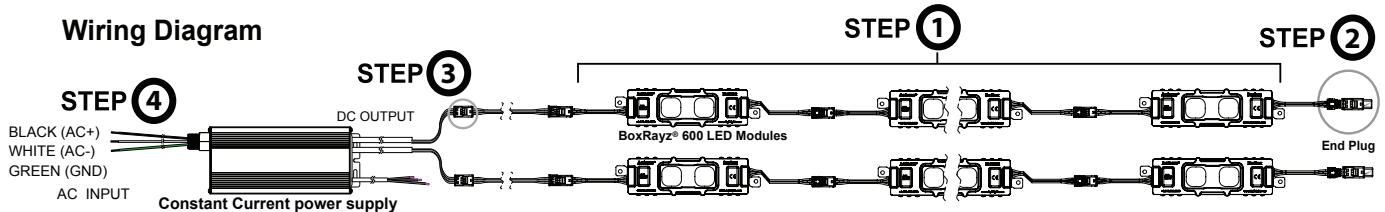
Tools:

1. Wire Strippers
2. Screw Driver
3. Tape Measure
4. Drill w/ (1/4" bit)



Wiring Instructions

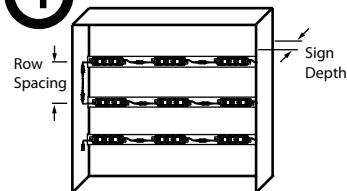
Wiring Diagram



WARNING Connect The Power Supply To LED Modules, BEFORE Connecting To Input AC Voltage. Otherwise The System Will Be Damaged And The WARRANTY VOIDED.

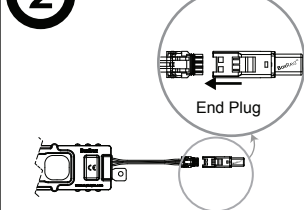


1



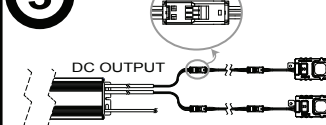
Layout modules according to AgiLight® layout or Population Density Guide.

2



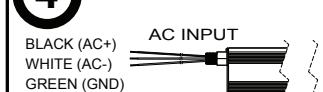
Install a Red End Plug at the end of each string of LED modules to close the circuit.

3



Connect each string of LED modules to a DC output channel of the power supply, directly or with an AgiLight® Jumper Cable.
* Refer to Power Supply Load Chart for proper loading ratios.

4



Connect the power supply to Input AC voltage. Ensure correct line connections: Green to Ground, Black to Black, and White to White.
*Follow all National and local codes; have a licensed electrician connect primary lines.

Population Density Guide

Sign Depth (in/mm)	Multiple Row (in/mm)
7 / 178	12-16 / 305-406
8 / 200	12-18 / 305-457

Power Supply Load Chart

Power Supply	Output Voltage	# of Modules/ Power Supply	
		Single Channel Usage	Double Channel Usage
PS1050-150W-100-277-20	19-36V	7 to 10	(6 to 10)/Channel (12 to 20) Total



WARNING
RISK OF ELECTRICAL SHOCK
Turn OFF power before performing any maintenance.

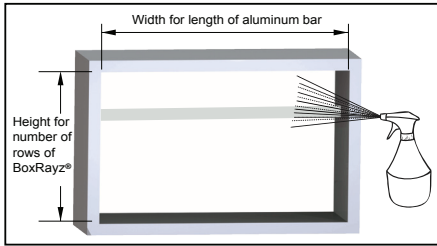


CAUTIONS

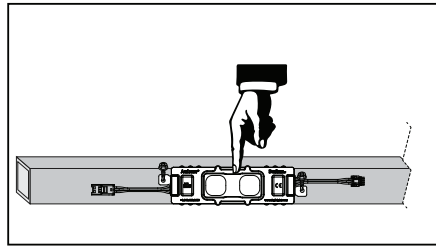
1. These products are only suitable for connection to a Class 2 constant current power source.
2. These products are intended for use only when connected to a power source that complies with Class 2 voltage and energy limited circuit.
3. When these units are connected to a Class 2 circuit, they are not to draw a total wattage of greater than the secondary or output rating of the Class 2 supply.
4. These products may be secured in place in the end product by any means available.
5. These products are suitable for use in dry, damp, and wet locations. Not suitable for submersed applications.

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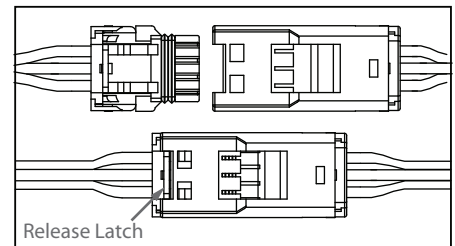
LED Module Installation



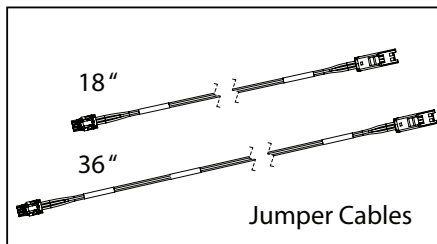
1. Measure the cabinet; cut aluminum bar to fit into the cabinet. The aluminum bar will serve as the mount for the BoxRayz®. Clean the aluminum bar with denatured alcohol.



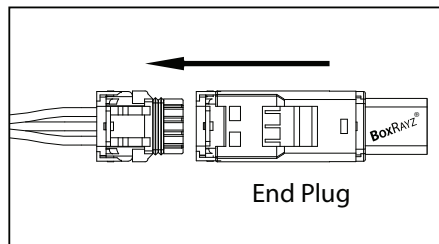
2. To apply BoxRayz® Module, remove liner from tape and firmly press in place. Then, use screws to mechanically attach LED module to the aluminum bar according to AgiLight® layout or Population Density Guide.



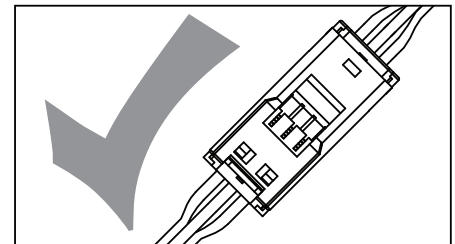
3. To connect, push connectors together until they click. To disconnect, firmly press the Release Latch, BEFORE pulling connectors apart. DO NOT PULL WIRES!



4. If additional space between modules is needed. Use BoxRayz® 18" or 36" jumper cables, part numbers: (AC-JUMP-18-3-BOXZ-1) or (AC-JUMP-36-3-BOXZ-1) respectively.



5. Be sure to place an End Plug (AC-EPLG-00-3-BOXZ-1) at the end of the string of BoxRayz® modules to close the circuit.



6. Verify that all BoxRayz® Modules, Jumper Cables, and End Plug connections are secured.

Troubleshooting

Problem	Possible Cause
All LED modules are OFF or some of the LED modules are not illuminated.	1. Power supply may not be loaded properly with LED modules. 2. Wrong Power Supply. Must be constant current. 3. Bad or loose connections.
Entire section does not light or lights intermittently.	1. Bad, loose, or improper connections. 2. Power supplies are spaced too close together; overheating. Note: Spacings between LED power supplies shall be at least 1 inch (25.4mm) from end to end, and 4 inches (101.6mm) from side to side.
LEDs flicker or appear dim.	1. Power supply may not be properly loaded with LED modules. 2. Power supply may be damaged or defective. 3. Power supply may not be wired correctly. Check AC input wiring (Green to Ground, Black to BLack, and White to White).

The BoxRayz® LED systems are to be installed in UL Listed signs only.