LED Panels need to be installed onto a weight-bearing substrate or framing. LED panels are delivered with pre-fabricated counter-sunk holes for mounting. LED panels are screwed directly into weight-bearing substrate/ framing.

Handling Advisories
- LED Panels are intended to be installed by licensed and qualified electrical contractors.
- LED Panels are low-voltage luminaires and require a transformer. DO NOT plug them directly into 120VAC.
- Use care when handling and installing LED panels. LED panels are delicate and are easily damaged if handled without care.
- Use care when handling wires. They are the weakest-link on LED panels. Wires are easily damaged if forced or bent beyond product limitations.
- DO NOT allow LED panels to flex or bow when lifting or transporting them. Allowing them to bend will damage the internal lighting components.
- DO NOT DRILL/CUT: LED panel projects require precise measurements and drawings. We fabricate LED panels with all the necessary modifications for installation.
- DO NOT USE ADHESIVES: Use of adhesives is strongly discouraged and can result in uneven lighting. Alternative mounting methods can be engineered.
- REMOVE PROTECTIVE FILM: LED Panels are delivered with protective film. Remove protective film before installing translucent materials.
- TEST BEFORE FINAL INSTALLATION: Test operation of LED Panels before installing translucent material. ALL LED PANELS ARE TESTED BEFORE DELIVERY.

Warranty becomes void if any of the above precautions are not followed. Bluegate Inc™ will not be responsible for damaged caused by improper use and installation of LED Panel lighting systems.
For vertical wall installations LED panels cannot be used to bear the weight of the translucent material being back-lit. A weigh-bearing solution needs to be implemented to support the material. Stand-offs are a popular solution. Follow the procedure for your wall installation.

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1. Select the configuration appropriate to your project below.
2. Connect LED Panels to Class-2 power supplies. Follow wiring instructions provided by power supply manufacturers.
3. Check that all connections where made correctly, verify correct DC polarity (+,-)
4. Turn power on. Verify that lights are operating correctly and that wire/connections are secure and out of reach
5. Turn Off Power when LEDs are not in use.

Class-2 24VDC Power Supplies

<table>
<thead>
<tr>
<th>Adapters</th>
<th>Drivers</th>
<th>Dimmable Drivers</th>
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<tr>
<td>96W</td>
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Selecting Your Power Supply:
Use the following formula to determine the power supply required for your LED system:

\[ W_{t} \times 1.20 \leq W_{ps} \]

\[ W_{t} = \text{sum of LED fixture wattages} \]

\[ W_{ps} = \text{Wattage of Power Supply} \]