Product Specifications

Product Features
- Constant Voltage Output
- Universal 100-277VAC Input
- Single Circuit
- Power Factor up to 0.99
- 10-100% load
- Variety of dimming options: ELV, MLV, TRIAC, 0-10V and PWM
- For Dry/Damp/Wet location
- Short circuit, Overload and over heat protection
- Flicker free

Warnings and Cautions
1. Risk of electrical shock and energy hazard. All failures should be examined by a qualified technician. Do not open the case of the power supply module.

2. Do not install LED power supplies in places with high ambient temperature or close to a fire source.

**INF-J-30-1-2.5-12**
**INF-J-30-1-1.3-24**

**INF-J-60-1-5-12**
**INF-J-60-1-2.5-24**
Installation Instructions

Mounting Location Requirements
It is recommended that the enclosure be mounted with at least 10” of open space around it for proper ventilation. Do not mount next to or above heat radiating equipment. Operating under high ambient temperature may increase the internal temperature and will require a de-rating in output current. This power supply will operate efficiently between -40°C to +60°C with adequate ventilation. To extend the life of the power supply, refer to the derating chart and derate according to the temperature. The enclosure is rated for outdoor/wet applications.

Outdoor Installation:
Step 1: Locate Power Supply enclosure in a suitable outdoor location.

Note: For outdoor installation, mount case vertically with the knockouts along the bottom of the box.

Step 2: Note the spacing of the mounting holes when determining mounting location.

Step 3: Attach enclosure to rigid surface with 4 screws appropriate for mounting surface (by others).

Step 4: Knock out access holes as needed.
Step 5: Install strain reliefs (wire clamps) for ½” hole size. Input lead wires are 18AWG. Output lead wires are 14AWG.

Indoor Installation:
For Indoor Installation, the unit can be installed vertically, as with outdoor Installation, and it may be mounted horizontally or horizontally face-down for ceiling applications.

Connection
Open the wire compartment and remove knockouts for input and output. Install strain reliefs (wire clamps). Input and lead wires are 18AWG. Output Lead Wires are 16AWG.

Input Connection: Bring Positive (Black) and Negative (White) Power Lines through Strain Relief on the input side of the driver. Connect to Black and White Driver Leads using the correct size and UL approved Wire Nuts. Connect the Ground Wire (Green) to a suitable ground. Waterproof Wire Nuts are recommended.

Output Connection: Bring luminaire wires through the Strain Relief on the output side of the Driver. Connect to the Red (+) and Black (-) Driver Leads. Use the correct size and UL approved Wire Nuts.
Caution: Make sure all connections are very tight.

Grounding: The LED driver is grounded to the enclosure. The enclosure in turn should be grounded in accordance with NEC and local code. Connect the green Driver wire to the ground.

Assembly: Replace Gasket and Cover.
Power Supply Specifications

<table>
<thead>
<tr>
<th>CAT NO</th>
<th>APPLICATION</th>
<th>PRIMARY</th>
<th>SECONDARY</th>
<th>TOTAL WATTAGE / AMPS PER BREAKER</th>
<th>LISTING</th>
<th>DIMENSIONS</th>
<th>DIMMING</th>
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<tbody>
<tr>
<td>INF-J-30-1-2.5-12</td>
<td>Indoor / Outdoor</td>
<td>100V/277V AC</td>
<td>12V DC</td>
<td>30W / 2.5A</td>
<td>cULus</td>
<td>6.50&quot;W X 3.72&quot;L X 1.57&quot;D</td>
<td>MLV / ELV / TRIAC / 0-10V</td>
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<td>100V/277V AC</td>
<td>24V DC</td>
<td>30W / 1.3A</td>
<td>cULus</td>
<td>6.50&quot;W X 3.72&quot;L X 1.57&quot;D</td>
<td>MLV / ELV / TRIAC / 0-10V</td>
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<td>100V/277V AC</td>
<td>12V DC</td>
<td>60W / 5A</td>
<td>cULus</td>
<td>7.40&quot;W X 3.72&quot;L X 1.57&quot;D</td>
<td>MLV / ELV / TRIAC / 0-10V</td>
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<td>24V DC</td>
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<td>cULus</td>
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<td>MLV / ELV / TRIAC / 0-10V</td>
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<td>INF-J-96-1-4-24</td>
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<td>100V/277V AC</td>
<td>24V DC</td>
<td>96W / 4A</td>
<td>cULus</td>
<td>8.66&quot;W X 3.72&quot;L X 1.57&quot;D</td>
<td>MLV / ELV / TRIAC / 0-10V</td>
</tr>
</tbody>
</table>

Infinity Single Circuit Wiring Diagrams

Wiring suggestion for Dual Dimmer and multiple power supplies.

**Warning!** Risk of fire.
Do not exceed the maximum linear run specification of the luminaire for each circuit.

**Note:** Be sure dimming brightness is at 100% for both dimmers and then operate one dimmer or the other.
Infinity Single Circuit Wiring Diagrams (Continued)

TRIAC PRIMARY DIMMING

0-10V SECONDARY DIMMING