**Constant Current LED Driver**

**Model Number**

AC-12C500UVH

**Input Voltage:** 120-277V

**Input Frequency:** 50/60Hz

**Side Mount/Leads Options**

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**ELECTRICAL SPECIFICATIONS:**

<table>
<thead>
<tr>
<th>Input Voltages</th>
<th>Input Current</th>
<th>Min PF (full load)</th>
<th>Max THD (full load)</th>
<th>Output Voltage</th>
<th>Output Current</th>
<th>T case Max</th>
<th>Minimum Starting Temp</th>
<th>Efficiency Up To</th>
<th>IP Rating</th>
</tr>
</thead>
<tbody>
<tr>
<td>120V to 277V 50/60Hz</td>
<td>0.157A @ 120V, 0.07A @ 277V</td>
<td>0.9</td>
<td>&lt;20%</td>
<td>12 to 24V</td>
<td>500mA±5%</td>
<td>90°C</td>
<td>-40°C</td>
<td>79%</td>
<td>IP66</td>
</tr>
</tbody>
</table>

**WIRING:**

![Wiring Diagram]

**PHYSICAL:**

<table>
<thead>
<tr>
<th>Dimensions</th>
<th>Length</th>
<th>Width</th>
<th>Height</th>
<th>Mounting Length</th>
<th>Hole Diameter</th>
<th>Weight</th>
<th>Case Qty.</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>6.22&quot;</td>
<td>1.73&quot;</td>
<td>1.22&quot;</td>
<td>5.87&quot;</td>
<td>0.197&quot;</td>
<td>.79 lbs.</td>
<td>50 pcs.</td>
</tr>
</tbody>
</table>

**SAFETY:**

- UL and cUL Recognized
- UL1310 Class 2
- UL Outdoor Type I
- Class A sound rating
- Overload Protection
- Open/Short Circuit Protection
- LED driver has a life expectancy of 50,000 hours at Tcase of ≤75°C
- LED driver has a life expectancy of 100,000 hours at Tcase of ≤65°C
- Warranty: 5 yrs based on max case temp of <75°C; 3 yrs based on max case temp of 90°C*
- Input/Output Isolation
- FCC Title 47 CFR Part 15
- Surge Protection (2KV)

**INSTALLATION:**

- LED drivers shall be installed inside electrical enclosures
- 18 AWG 600V/105C tinned strand copper lead-wires are required to use in installation
- Max Remote installation distance is 18 ft
- LED driver cases should be grounded

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*A.C.E. warrants to the purchaser that each LED Driver will be free from defects in material or workmanship for a period of 5 years when operated at max case temp of up to <75°C; 3 years from date of manufacture when operated at a max case temp of up to 90°C when properly installed and under normal conditions of use. See www.aceleds.com for complete warranty policy.

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Data is based upon tests performed by AC Electronics in a controlled environment and representative performance. Actual performance can vary depending on operating conditions. Specifications are subject to change without notice. All specifications are nominal unless otherwise noted.

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