**Constant Current LED Driver**

**Model Number**

**AC-Q18C450AVB**

Input Voltage: 120-277V  
Input Frequency: 50/60Hz  
Side Mount/Leads

**ELECTRICAL SPECIFICATIONS:**

<table>
<thead>
<tr>
<th>Output Power Max</th>
<th>Input Current</th>
<th>Input Power</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>Min. Starting Temp</th>
<th>Efficiency Up To</th>
</tr>
</thead>
<tbody>
<tr>
<td>18W</td>
<td>0.78A@120V</td>
<td>85W</td>
<td>&gt;0.9</td>
<td>&lt;20</td>
<td>24-40V</td>
<td>450mA</td>
<td>90°C</td>
<td>-40°C</td>
<td>85%</td>
</tr>
<tr>
<td></td>
<td>0.33A@277V</td>
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</tbody>
</table>

**WIRED:**

**INPUT**

BLACK (LINE)

RED

BLUE

LED DRIVER

**OUTPUT**

RED

BLUE

BLUE

WHITE (NEUTRAL)

**SAFETY:**

- UL and cUL certified
- Class 2
- Class A sound rating
- Overload Protection
- Open/Short Circuit Protection
- LED driver has a life expectancy of 50,000 hours at T case of ≤75°C
- LED driver has a life expectancy of 100,000 hours at T case 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 (3 Kv)

**INSTALLATION:**

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

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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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AC Electronics/AC LED Power Designs 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 aceleds.com for complete warranty policy.

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