**ELECTRICAL SPECIFICATIONS:**

<table>
<thead>
<tr>
<th>Output Power</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>Min Starting Temp</th>
<th>Efficiency Up To</th>
<th>Input Power</th>
<th>Dimming Protocol</th>
<th>Dimming Range</th>
</tr>
</thead>
<tbody>
<tr>
<td>48W</td>
<td>1.44A @ 120V, 0.62A @ 277V</td>
<td>&gt;0.90</td>
<td>&lt;20%</td>
<td>27-45V</td>
<td>1050mA±5%</td>
<td>90°C</td>
<td>-40°C</td>
<td>83%</td>
<td>173W @ 120V, 172W @ 277V</td>
<td>0 to 10V</td>
<td>10 to 100%</td>
</tr>
</tbody>
</table>

**WIRING:**

**INPUT**
- BLACK (LINE)
- BLUE (NEUTRAL)
- WHITE (NEUTRAL)
- RED +
- PURPLE –
- GRAY –

**OUTPUT**
- 0-10V Dimmer

**PHYSICAL:**

- Dimensions
  - Length: 9.5"  
  - Width: 3.75"  
  - Height: 1.81"  
  - Mounting Length: 8.9"

**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 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 (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

---

**Constant Current LED Driver**

**Model Number**

**AC-T48CD1.05AGN**

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

**Dimensions**

- Length: 9.5"
- Width: 3.75"
- Height: 1.81"
- Mounting Length: 8.9"

**Input/Output Power**

- **Input Power:** 48W  
  - 1.44A @ 120V, 0.62A @ 277V
- **Output Current:** 1050mA±5%
- **T case Max:** 90°C
- **Min Starting Temp:** -40°C
- **Efficiency Up To:** 83%
- **Input Power:** 173W @ 120V, 172W @ 277V
- **Dimming Protocol:** 0 to 10V
- **Dimming Range:** 10 to 100%

**Lead Lengths**

- Black: 5.9"
- Blue: 5.9"
- Purple: 5.9"
- White: 5.9"
- Red: 5.9"
- Gray: 5.9"

---

©2017
Revised 02/01/2017

3401 Avenue D, Arlington, TX 76011 • 800-375-6355 • www.aceleds.com

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.

RoHS COMPLIANT LEAD-FREE

©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.