**ELECTRICAL SPECIFICATIONS:**

<table>
<thead>
<tr>
<th>Output Power</th>
<th>Input 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>Dimming Protocol</th>
<th>Dimming Range</th>
<th>IP Rating</th>
</tr>
</thead>
<tbody>
<tr>
<td>30W</td>
<td>37W</td>
<td>0.3A@120V</td>
<td>&gt;0.90</td>
<td>&lt;20</td>
<td>15-55V</td>
<td>350mA-1250mA</td>
<td>90°C</td>
<td>-40°C</td>
<td>82%</td>
<td>0-10V</td>
<td>1 to 100%</td>
<td>64</td>
</tr>
</tbody>
</table>

**SAFETY:**
- Class P Listed
- 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)
- Dim-To-Off Programming Option
  - Active: Code = 4C 04 01 02
  - Inactive: Code = 4C 04 00 02

**PHYSICAL:**

**INPUT**
- LINE
- NEUTRAL
- GROUND
- LED DRIVER

**OUTPUT**
- GRAY (DIM-)
- PURPLE (DIM+)
- BLUE (LED-)
- RED (LED+)
- BLUE (LED-)
- RED (LED+)

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

**PROGRAMMABLE, DIGITAL, WIDE-RANGE ADJUSTABLE CURRENT & DIMMING CLASS P LISTED**

**Constant Current LED Driver**
**Model Number**
**AC-30CD1.25APUP**

Input Voltage: 120-277V
Input Frequency: 50/60Hz
Side Mount/Lead
< 1 Sec. Start time/(Starting with batch code AKT.48)
Dim-to-1% (Default)

**SAFETY:**
- Class P Listed
- 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
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**E332747**

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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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Performance Characteristics

Use with NFC-V Reader App Available Free at Google App Store

Phone Instructions

First you must have a Android device (phone/tablet) with NFC-V app downloaded.
Open App; then place the device on top of the driver matching up sensors untile it syncs up
Basic format
Write
Insert the appropriate code from chart above
Write
Successfully written will appear

To Check: Read
Read
Shows you the Block - 00 00 00 00
This is where the code you input appears

IOUT/VOUT CURVE

Output Voltage [V] vs. Output Current [A]

Performance Characteristics

Life Time v.s. Case Temperature Curve

![Graph showing Life Time (kHours) vs. Case Temperature (°C)]

- Outside Driver Ambient Temperature (°C)
  - Load (%)
  - Derating Curve
  - 120Vac & 277Vac

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Performance Characteristics

Efficiency v.s. Load

- Efficiency (%) vs. Load (%)
- Data for 120V and 277V voltages

Power Factor v.s. Load

- Power Factor (PF) vs. Load (%)
- Data for 120V and 277V voltages
Performance Characteristics

Output Current v.s. Dimming

Output Current v.s. Resistance

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