WIRING:

**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>
</tr>
</thead>
<tbody>
<tr>
<td>8 to 25W</td>
<td>31W</td>
<td>0.27A @ 120V, 0.11A @ 277V</td>
<td>&gt;0.95</td>
<td>&lt;20%</td>
<td>15 to 55V</td>
<td>350 to 1250mA</td>
<td>90°C</td>
<td>-40°C</td>
<td>82%</td>
<td>0 to 10V</td>
<td>1 to 100%</td>
</tr>
</tbody>
</table>

**SAFETY:**

- 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)

**PHYSICAL:**

- Constant Current LED Driver
- Model Number: AC-25CD1.25APME, AC25CD1.25APBME, AC-25CD1.25APMV
- Input Voltage: 120-277V
- Input Frequency: 50/60Hz
- Side and Bottom Mount/Leads Options
- < 1 Sec. Start time/(Starting with batch code AKT.48)

**WIRING:**

**OUTPUT**

- BLACK (LINE)
- RED
- BLUE
- WHITE (NEUTRAL)
- PURPLE
- GRAY
- 0-10V DIMMER
- V-
- V+

**INPUT**

**LED DRIVER**

**SAFETY:**

- Input/Output Isolation
- FCC Title 47 CFR Part 15
- Surge Protection (3 KV)

**PHYSICAL:**

- Bottom Mount: Model No: AC25CD1.25APBME
- Only AC-25CD1.25APMV - Sensor Area on the bottom with NFC sensor label

**INSTALLATION:**

- IP 66 Harsh Weatherproof
- Max Remote installation distance: 18 ft
- LED drivers shall be installed inside electrical enclosures
- 18 AWG 600V/105C tinned stranded copper lead-wires are required for installation

*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.
Performance Characteristics

**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 until it syncs up.

Basic format

- **Write**: Insert the appropriate code from chart above
- **Read**: Shows you the Block - 00 00 00 00

Successfully written will appear

This is where the code you input appears

**IOUT/VOUT CURVE**

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

Performance Characteristics

Life Time vs. Case Temperature Curve

Case Temperature Curve (°C)

Derating Curve  120Vac & 277Vac

Outside Driver Ambient Temperature (°C)
Performance Characteristics

Efficiency v.s. Load

Power Factor v.s. Load
Performance Characteristics

Output Current v.s. Dimming

Dimming (0-10V) vs. Output Current (A)

Output Current v.s. Resistance

Resistance (KΩ) vs. Output Current (A)