**WIRING:**
- UL and cUL Recognized
- UL Outdoor Type 1
- Class A sound rating
- Overload Protection
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- LED driver has a life expectancy of 50,000 hours at Tcase of ≤75°C
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**INSTALLATION:**
- Max Remote installation distance is 18 ft
- LED drivers shall be installed inside electrical enclosures
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**PHYSICAL:**
- Constant Current LED Driver
- Model Number AC-50CD1.4APBNZ
- Input Voltage: 120-277V
- Input Frequency: 50/60Hz
- Bottom Mount Leads Options
  - < 1 Sec. Start time/(Starting with batch code AKT.48)
  - Dim-to-1% (Default)

**ELECTRICAL SPECIFICATIONS:**

<table>
<thead>
<tr>
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<th>Min PF (full load)</th>
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<tr>
<td>50W</td>
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<td>0.5A@120V</td>
<td>&gt;0.90</td>
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<td></td>
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**INPUT / OUTPUT**

- Gray (DIM-)
- Purple (DIM+)
- Red (LED+)
- Blue (LED-)

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

*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.

**PROGRAMMABLE, DIGITAL, WIDE-RANGE ADJUSTABLE CURRENT & DIMMING TYPE TL RATED**

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**Phone Instructions**

First you must have an 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
- 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**

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

![Graph](image)

Performance Characteristics

Life Time v.s. Case Temperature Curve

![Graph showing Life Time vs. Case Temperature Curve.](image)

Case Temperature Curve (°C)

Derating Curve 120Vac & 277Vac

![Graph showing Derating Curve.](image)

Load (%)

Outside Driver Ambient Temperature (°C)

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Performance Characteristics

Efficiency v.s. Load

- 120V
- 277V

Power Factor v.s. Load

- 120V
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Output Current v.s. Dimming

Output Current v.s. Resistance

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