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 Range</th>
<th>Dimming Protocol</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>

** This driver can operate down to -40°C in a non-dimming condition. Below 0°C some flicker may be observed.

WIRING:

INPUT
BLACK (LINE)
BLUE (GROUND)
WHITE (NEUTRAL)
RED (DIAG)

OUTPUT
LED DRIVER

PHYSICAL:

Dimensions | Length | Width | Height | Mounting
---|---|---|---|---
AC-30CD1.25APNY | 5.23" | 2.48" | 1.18" | 4.84"

T case Max Value (˚C) | Tc/Tref Value (˚C) | Ta/Value (˚C)
---|---|---
90 | 58.2 | 40

SAFETY:

- Class P Listed
- Class A sound rating
- Overload Protection
- Open/Short Circuit Protection
- 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

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

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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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 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**


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Performance Characteristics

Life Time v.s. Case Temperature Curve

Case Temperature Curve (°C)

Derating Curve

Outside Driver Ambient Temperature (°C)

Load (%)
Performance Characteristics

Graphs showing Efficiency v.s. Load and Power Factor v.s. Load for AC-30CD1.25APNY.

Efficiency v.s. Load

- 120V line
- 277V line

Load (%) vs. Efficiency (%)

Power Factor v.s. Load

- 120V line
- 277V line

Load (%) vs. PF
Performance Characteristics

Output Current v.s. Dimming

Output Current v.s. Resistance

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