

Input Voltage: 120-277V  
 Input Frequency: 50/60Hz  
 Side Mount/Leads Options  
 Dim-to-Off @Max Current

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

### ELECTRICAL SPECIFICATIONS:

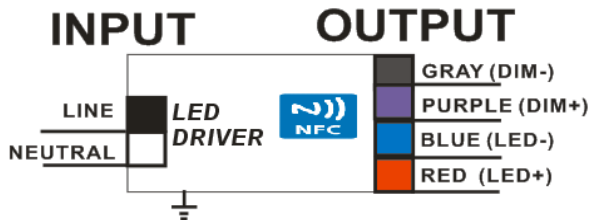
| Output Power | Input Power | Input Current*           | Min PF (full load) | Max THD (full load) | Output Voltage | Output Current   | T case Max | Min Starting Temp** | IP Rating | Efficiency Up To | Dimming Protocol | Dimming Range |
|--------------|-------------|--------------------------|--------------------|---------------------|----------------|------------------|------------|---------------------|-----------|------------------|------------------|---------------|
| 98W          | 113W        | 0.94A@120V<br>0.41A@277V | >0.90              | ≤20                 | 28-47V         | 700mA-<br>2100mA | 90°C       | 10°C                | 64        | 86%              | 0 to 10V         | 1 to 100%     |

\* Iout Tolerance

- 700mA ±14% • 800mA ±10% • 900mA ± 8%
- 1050mA - 2100mA ±5%

\*\* Spec is for full functionality. Driver will operate down to -22°F/-30°C in non-dimming applications. However if dimming is used below 10 °C, the minimum dimming level will be ≥ 4% and the potential for flicker exists at low dim settings.

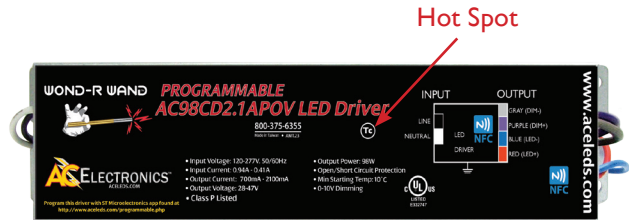
### WIRING:



### Lead Lengths

|       |      |      |      |        |      |
|-------|------|------|------|--------|------|
| Black | 5.9" | Blue | 5.9" | Purple | 7.1" |
| White | 5.9" | Red  | 5.9" | Gray   | 7.1" |

### PHYSICAL:



| Dimensions    | Length | Width | Height | Mounting |
|---------------|--------|-------|--------|----------|
| AC98CD2.1APOV | 9.5"   | 2.4"  | 1.46"  | 8.9"     |

| Tref Max Value (°C) | Tc/Tref Value (°C) | Ta/Value (°C) |
|---------------------|--------------------|---------------|
| 90°C                | 55.4°C             | 50°C          |

### 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)

### INSTALLATION:

- IP 64
- Max Remote installation distance is 18 ft
- LED driver cases should be grounded
- LED drivers shall be installed inside electrical enclosures
- 18 AWG 600V/I05C 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](http://aceleds.com) for complete warranty policy.

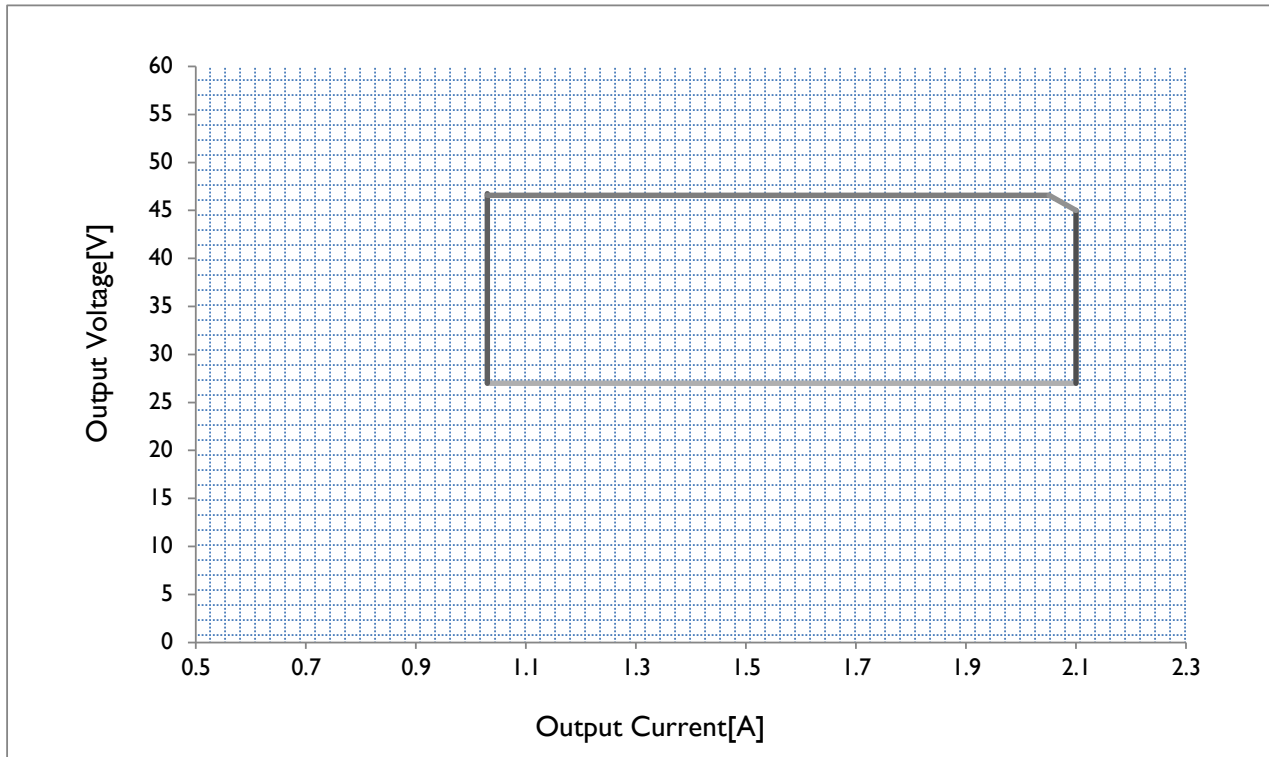
3401 Avenue D, Arlington, TX 76011 • 800-375-6355 • [www.aceleds.com](http://www.aceleds.com)

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.



## IOUT/VOUT CURVE

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



## **CONTROL THE IOUT WITH THE PROGRAMMING WAND. DOWNLOAD SOFTWARE FROM <http://www.aceleds.com/programmable.php>**

### **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