

## Constant Current LED Driver

# Model Number AC-320CD1.4ATD0

Input Voltage: 120 - 277V

Input Frequency: 50/60Hz

Side Mount/Leads

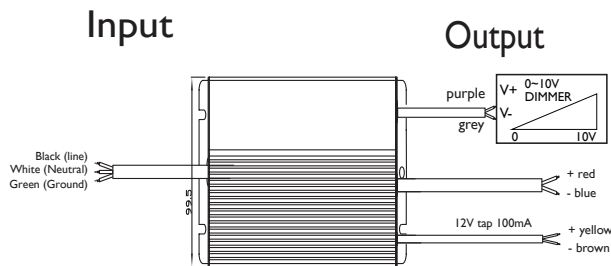
Dim-to-Cool



### ELECTRICAL SPECIFICATIONS:

| Output Power Max | Input Power | Input Current            | Min PF (full load) | Max THD (full load) | Output Voltage | Output Current   | T case Max | Min Starting Temp | Efficiency Up To | IP Rating | Dimming Protocol | Dimming Range |
|------------------|-------------|--------------------------|--------------------|---------------------|----------------|------------------|------------|-------------------|------------------|-----------|------------------|---------------|
| 320W             | 344W        | 2.86A@120V<br>1.24A@277V | >0.9               | <15                 | 137-228V       | 1400mA<br>+/- 5% | 85°C       | -40°C             | 93%              | 67        | 0 to 10V         | 10 to 100%    |

### WIRING:



#### Lead Lengths

|       |      |        |      |        |      |
|-------|------|--------|------|--------|------|
| Black | 5.9" | Blue   | 5.9" | Purple | 5.9" |
| White | 5.9" | Red    | 5.9" | Gray   | 5.9" |
| Green | 5.9" | Yellow | 5.9" | Brown  | 5.9" |

Dim-to-Cool trigger point temperature = 85°C

### PHYSICAL:



#### Dimensions

|        |      |
|--------|------|
| Length | 9.2" |
| Width  | 3.9" |
| Height | 2.0" |

### SAFETY:

- UL and cUL Recognized
- UL Outdoor Type I
- Dim-to-Cool Thermal Protection
- 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 years based on max case temp of 70°C; 3 yrs based on a max case temperature of 85°C.\*
- Input/Output Isolation
- FCC Title 47 CFR Part 15
- Surge Protection (6 KV)

### 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 70°C; 3 years from date of manufacture when operated at a max case temp of up to 85°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.

