

Constant Current LED Driver

Model Number AC-320CD1.8ATI9

Input Voltage: 120 - 277V

Input Frequency: 50/60Hz

Side Mount/Leads

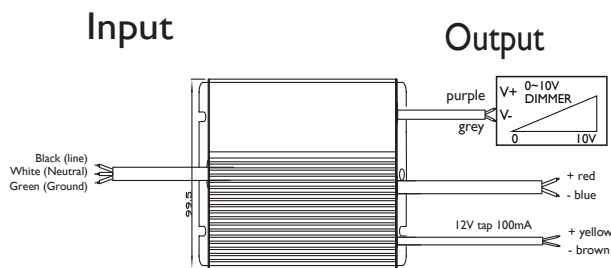
Dim-to-Cool



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 | 356W | 2.96A@120V 1.28A@277V | >0.9 | <15 | 107-178V | 1800mA +/- 5% | 85°C | -40°C | 90% | 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 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.

