

## Constant Voltage LED Driver

# Model Number AC-A100V24H4.1

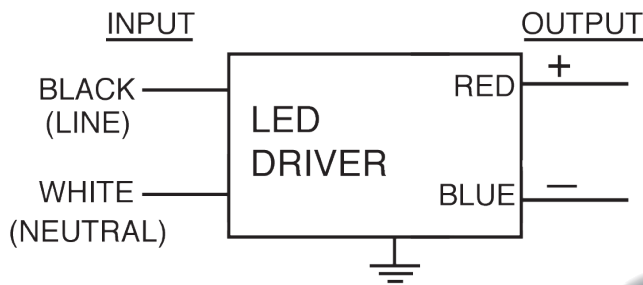
Input Voltage: 120-277V  
Input Frequency: 50/60Hz  
Side Mount/Leads

**New Improved High Efficiency**

### ELECTRICAL SPECIFICATIONS:

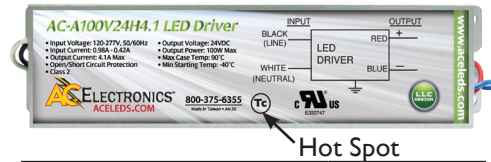
| Output Power | Input Power | Input Current                | Min PF (full load) | Max THD (full load) | Output Voltage | Output Current  | T case Max | Minimum Starting Temp | Efficiency $\geq$ |
|--------------|-------------|------------------------------|--------------------|---------------------|----------------|-----------------|------------|-----------------------|-------------------|
| 100W         | 110W        | 0.98A @ 120V<br>0.42A @ 277V | >0.98              | <10%                | 24V $\pm$ 5%   | 410mA to 4100mA | 90° C      | -40° C                | 90%               |

### WIRING:



| Wiring Lead Lengths |      |
|---------------------|------|
| White               | 5.9" |
| Black               | 5.9" |
| Red                 | 5.9" |
| Blue                | 5.9" |

### PHYSICAL:



| Dimensions             |           |
|------------------------|-----------|
| Length                 | 9.5"      |
| Width                  | 2.4"      |
| Height                 | 1.46"     |
| Mounting Length        | 8.9"      |
| Mounting Hole Distance | 1.5"      |
| Mounting Hole Diameter | .20"      |
| Weight                 | 1.98 lbs. |
| Case Qty.              | 20 pcs.   |

### SAFETY:

- UL and cUL Recognized
- UL1310 Class 2
- UL Outdoor Type I
- Class A sound rating
- Overload Protection
- Open/Short Circuit Protection
- LED driver has a life expectancy of 50,000 hours at Tcase of  $\leq 75^{\circ}\text{C}$
- LED driver has a life expectancy of 100,000 hours at Tcase of  $\leq 65^{\circ}\text{C}$
- Warranty: 5 yrs based on max case temp of  $< 75^{\circ}\text{C}$ \* 3 yrs based on max case temp of  $< 90^{\circ}\text{C}$
- Input/Output Isolation
- FCC Title 47 CFR Part 15
- Surge Protection (2.5 KV)

### INSTALLATION:

- LED drivers shall be installed inside electrical enclosures
- 18 AWG 600V/105C tinned strand copper lead-wires are required for installation
- Max Remote installation distance is 25 ft
- LED driver cases should be grounded



\*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  $< 75^{\circ}\text{C}$ ; 3 years from date of manufacture when operated at a max case temp of up to  $90^{\circ}\text{C}$  when properly installed and under normal conditions of use. See [aceleds.com](http://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.

