



Model Number AC-AI00VD24H4.1

Type: Constant Voltage LED Driver

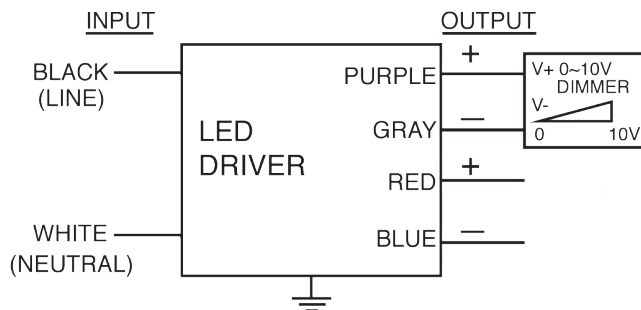
Input Voltage: 120-277V

Input Frequency: 50/60Hz

ELECTRICAL SPECIFICATIONS:

| Output Power | Input Current | Minimum PF (full load) | Max. THD (full load) | Output Voltage | Output Current | T case Maximum | Minimum Starting Temp. | Efficiency Up To | Dimming Protocol | Dimming Range | IP Rating |
|--------------|------------------------------|------------------------|----------------------|----------------|----------------|----------------|------------------------|------------------|------------------|---------------|-----------|
| 100W | 0.98A @ 120V 0.42A @ 277V | >0.95 | <10% | 24V \pm 5% | 0.41 to 4.1A | 90° C | -40° C | 87% | 0 to 10V | 10 to 100% | IP66 |

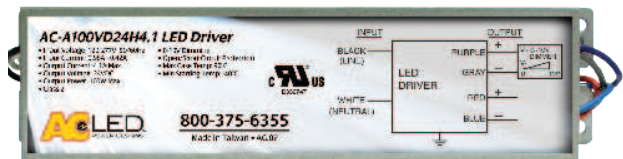
WIRING:



Lead Lengths

| | | | | | |
|-------|------|------|------|--------|------|
| Black | 5.9" | Blue | 5.9" | Purple | 9.8" |
| White | 5.9" | Red | 5.9" | Gray | 9.8" |

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°C^*
- Input/Output Isolation
- FCC Title 47 CFR Part 15
- Surge Protection (2 KV)

INSTALLATION:

- LED drivers shall be installed inside electrical enclosures
- 18 AWG 600V/I05C tinned strand copper lead-wires are required to use in installation
- Max Remote installation distance is 18 ft
- LED driver cases should be grounded



*A.C.E. 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°C when properly installed and under normal conditions of use. See www.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.