



Constant Current LED Driver

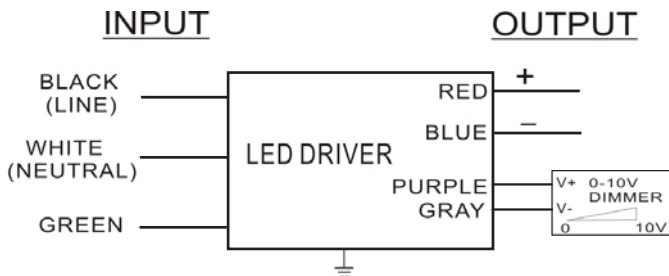
**Model Number  
AC-50CDI.4ATN**

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

**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	Dimming Protocol	Dimming Range
50W	58W	0.6@120V 0.26@277V	>0.9	<20	22-36V	1400mA +/- 5%	90°C	-40°C	86%	0 to 10V	10 to 100%

**WIRING:**



**PHYSICAL:**



Lead Lengths						
Black	5.9"	Blue	5.9"	Purple	5.9"	Green
White	5.9"	Red	5.9"	Gray	5.9"	5.9"

Dimensions			
Length	12.8"	Height	1.14"
Width	1.34"	Mounting Length	12.5"

**SAFETY:**

- UL and cUL Recognized
- 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 ≤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 (2 KV)

**INSTALLATION:**

- IP 66 Harsh Weatherproof
- 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 <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.

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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.

