AC ELECTRONICS
LED POWER DESIGNS™ DIVISION

PRELIMINARY SPEC

DIMMING

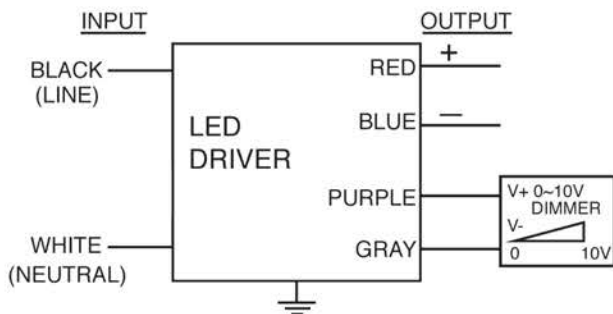# DIODESHIELD™

Model Number
AC-115CD1.2ACA

Type: Constant Current LED Driver
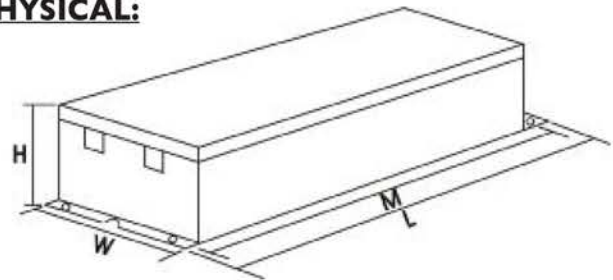Input Voltage: 120-277V
Input Frequency: 50/60Hz

ELECTRICAL SPECIFICATIONS:

Output Power Max	Input Power	Input Current	Minimum PF (full load)	Max. THD (full load)	Output Voltage	Output Current	T case Max.	Min. Starting Temp.	Efficiency Up To	Dimming Protocol	IP Rating
115W	128W	1.1A @ 120V 0.5A @ 277V	>0.9	<20%	70-100V	1200mA±5%	90°C	-40°C	90%	0 to 10V	66

WIRING:

INPUT — BLACK (LINE), WHITE (NEUTRAL)
LED DRIVER
OUTPUT — RED +, BLUE −, PURPLE, GRAY
V+ 0~10V DIMMER, V−, 0, 10V

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

PHYSICAL:

Dimensions	
Length	9.5"
Width	2.4"
Height	1.46"
Mounting Length	8.9"
Weight	lbs.
Case Qty.	pcs.

SAFETY & PERFORMANCE:

- FCC (EMI and RF protection away from 900-950MHz)
- Over Voltage/Short Circuit/ Over Temperature Protection
- No PCBs
- 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
- Surge Protection
- Class 1

INSTALLATION:

- LED drivers shall be installed inside electrical enclosures
- 18 AWG 600V/105C tinned strand copper lead-wires are required to use in installation
- Remote installation distance is 18 ft at full load
- LED driver cases should be grounded

RoHS COMPLIANT LEAD-FREE ✓

*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°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.

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.

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