AC ELECTRONICS™
ACELEDS.COM

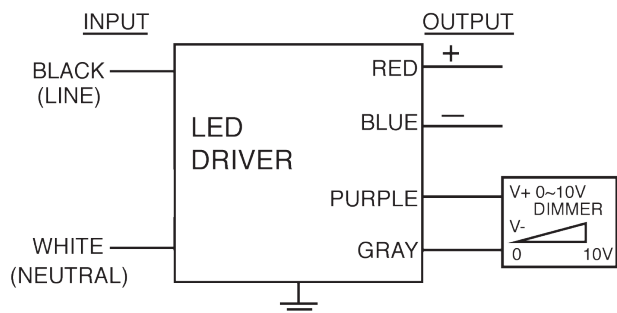**DIMMING**

Constant Current LED Driver
Model Number
AC-150CD1.3AAY

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

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	Dimming Range
150W	170W	1.45A @ 120V 0.64A @ 277V	>0.95	<20%	69-115V	1300mA±5%	90°C	-40°C	90%	0 to 10V	10-100%

WIRING:

INPUT   OUTPUT

BLACK (LINE) ——— LED DRIVER ——— RED +

BLUE —

PURPLE ——— V+ 0~10V DIMMER V-

WHITE (NEUTRAL) ——— GRAY ——— 0   10V

PHYSICAL:

Dimensions	
Length	9.5"
Width	2.4"
Height	1.57"
Mounting Length	8.9"

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

SAFETY & PERFORMANCE:

• UL and cUL Recognized
• UL Outdoor Type 1
• Class A sound rating
• No PCBs
• Silicon Potting used

• FCC (EMI and RF protection away from 900-950MHz)
• Over Voltage/Short Circuit/Over Temperature 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
• Surge Protection (6KV)

INSTALLATION:

• LED drivers shall be installed inside electrical enclosures
• 18 AWG 600V/105C tinned strand copper lead-wires are required for installation

• Remote installation distance is 18 ft at full load
• 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°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 for complete warranty policy.

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