

AC ELECTRONICS™ ACELEDS.COM

Switch-Hitter™

Constant Current LED Driver

**Model Number
AC-140CD2.8AQE4**

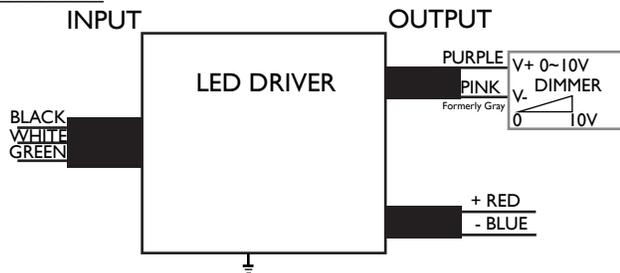
Input Voltage: 120-277V
Input Frequency: 50/60Hz
Side Mount/Leads

✓ **MULTI-CURRENT SWITCHING & DIMMING**

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	IP Rating	Dimming Protocol	Dimming Range
140W	167W	1.45@120V 0.64@277V	>0.9	<20	30-50V	2800mA	70°C	-40°C	90%	64	0 to 10V	10 to 100%
125W	141W	1.18@120V 0.51@277V	>0.9	<20	30-50V	2500mA	70°C	-40°C	89%	64	0 to 10V	10 to 100%
100W	114W	0.93@120V 0.4@277V	>0.9	<20	30-50V	2000mA	70°C	-40°C	88%	64	0 to 10V	10 to 100%
50W	58W	0.5@120V 0.22@277V	>0.9	<20	30-50V	1000mA	70°C	-40°C	87%	64	0 to 10V	10 to 100%

WIRING:



Note: Gray (-) dimming wire has been changed to pink per the 2020 NEC section 410.69 and NEMA.

Thermal Switch Function - 7 years warranty for max temperature set at 70°C

PHYSICAL:



Dimensions

Length	9.5"	Mounting Length	8.9"
Width	2.6"	Weight	xxx lbs.
Height	1.6"	Case Qty.	xxx

Wiring Lead Lengths

White	12"	Red	12"	Gray	12"
Black	12"	Blue	12"	Purple	12"

SAFETY & PERFORMANCE:

- UL and cUL Recognized
- Class A sound rating
- No PCBs
- Overload Protection
- Open/Short Circuit Protection
- LED driver has a life expectancy of 100,000 hours at Tcase of ≤70°C
- Warranty: 7 yrs based on max case temp of <70°C;
- Input/Output Isolation
- FCC Title 47 CFR Part 15
- Surge Protection (6kv)
- Gray (-) dimming wire has been changed to pink per the 2020 NEC section 410.69 and NEMA.

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 7 years when operated at max case temp of up to <70°C; when properly installed and under normal conditions of use. See 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.

