ACeLEDs™ POWER DESIGNS

A division of AC Electronics

DIMMING, TYPE TL RATED

Constant Current LED Driver

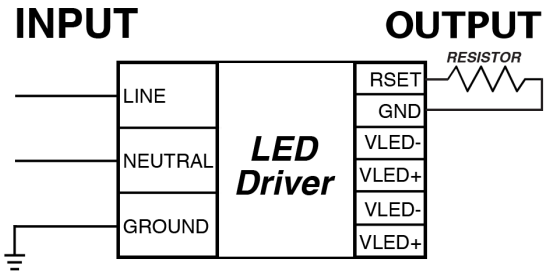
Model Number AC-D80C2.2ARDL

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
80W	93W	0.83A @ 120V 0.33A @ 277V	>0.95	<10%	28-36V	1500mA-2200mA ±5%	90°C	-40°C	>88%

WIRING:



RSET TABLE

RSET (Ω)	Iout (mA)	RSET (Ω)	Iout (mA)
>4.7K	2200	2.5K	1500
4.7K	2200		
3.9K	2000		
3.3K	1840		
2.7K	1650		

Cross-section of supply conductors: 0.75-1.5mm2

PHYSICAL:

Dimensions	
Length	15.55"
Width	1.49"
Height	1.1"
Mounting Length	15.23"
Weight	XX lbs.
Case Qty.	XX pcs.

Tref Max (˚C)	Tc/Tref Value (˚C)	Ta Value (˚C)
88	72	40

SAFETY & PERFORMANCE:

- UL Recognized US
- cUL LVLE
- UL Outdoor Type 1
- Class A sound rating
- No PCBs
- 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:

- 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 18 ft
- LED driver cases should be grounded

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*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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IP66 HARSH

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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.

RoHS COMPLIANT LEAD-FREE

Revised 01/14/2015