AC ELECTRONICS™
ACELEDS.COM

Switch-Hitter™
Constant Current LED Driver

P1

MULTI-CURRENT SWITCHING AND DIMMING

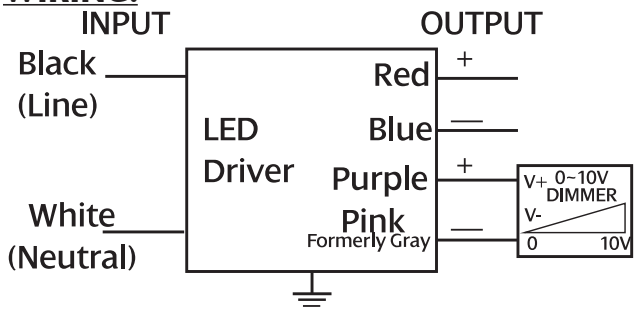
Model Number
AC-84CD2100ATFY
AC84CD2100ATBFY

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

ELECTRICAL SPECIFICATIONS:

Output Power Max.	Input Power	Input Current	Minimum PF (full load)	Max. THD (full load)	Output Voltage	Output Current	T case Max.	Minimum Starting Temp.	Efficiency Up To	Dimming Protocol	Dimming Range
84W	95W	0.79A @ 120V 0.3A @ 277V	>0.9	<20%	24-40V	2100mA±5%	90° C	-40° C	88%	0 to 10V	10 to 100%
70W	80W	0.67A @ 120V 0.29A @ 277V	>0.9	<20%	24-40V	1750mA±5%	90° C	-40° C	87%	0 to 10V	10 to 100%
56W	65W	0.54A @ 120V 0.24A @ 277V	>0.9	<20%	24-40V	1400mA±5%	90° C	-40° C	86%	0 to 10V	10 to 100%

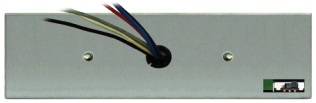
WIRING:



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

Lead Lengths					
Black	5.9"	Blue	5.9"	Purple	7.1"
White	5.9"	Red	5.9"	Pink	7.1"

PHYSICAL:



Bottom Mount Option
Model Number:
AC84CD2100ATBFY

Hot Spot

Dimensions	
Length	9.5"
Width	2.4"
Height	1.46"
Mounting	8.9"

SAFETY & PERFORMANCE:

- UL US Class 2
- 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 (3 KV)
- 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 18 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 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.

E328847
LVLE

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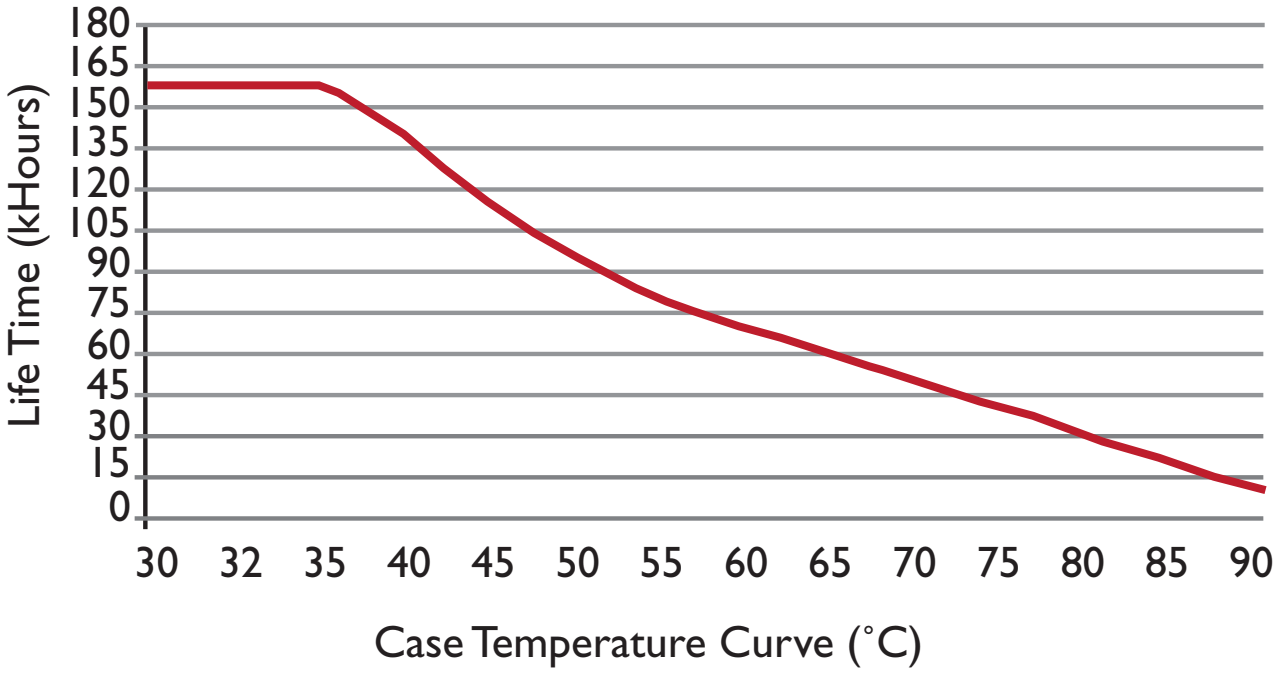
Data is based upon tests performed by AC Electronics in a controlled environment and representative performance. Actual performance can vary depending on operating conditions. Specifications are subject to change without notice. All specifications are nominal unless otherwise noted.

RoHS COMPLIANT
LEAD-FREE

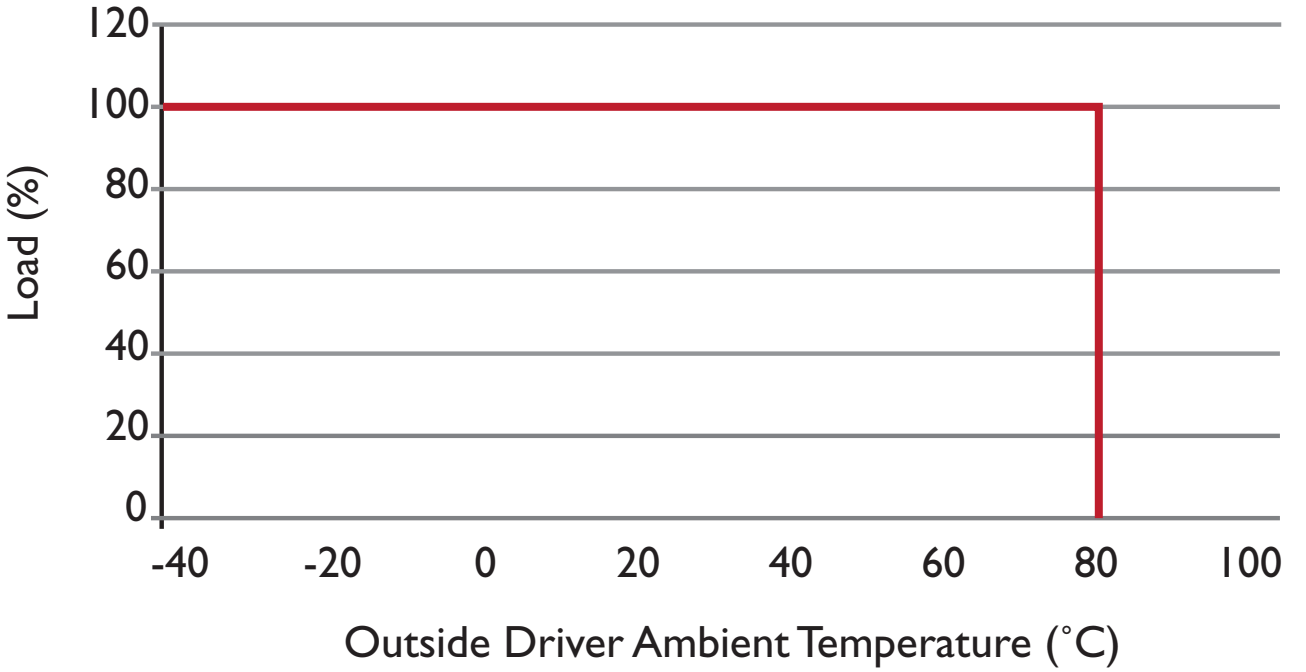
10/13/2021

Performance Characteristics

Life Time v.s. Case Temperature Curve



Derating Curve 120Vac & 277Vac



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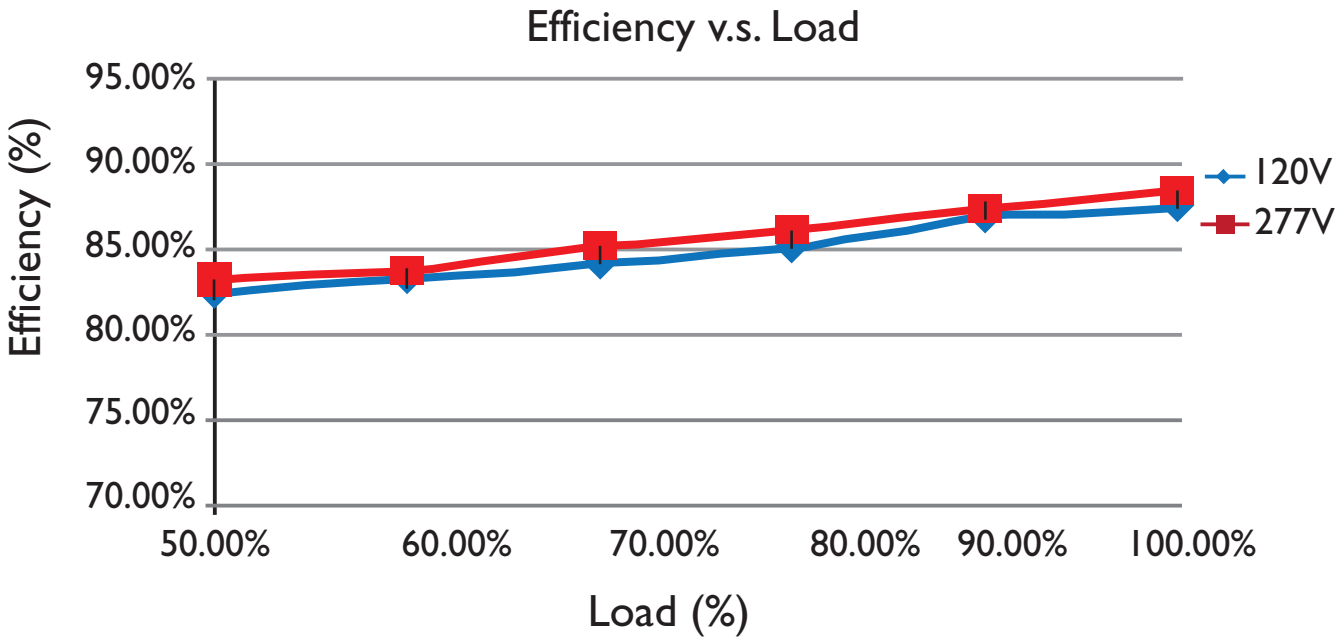

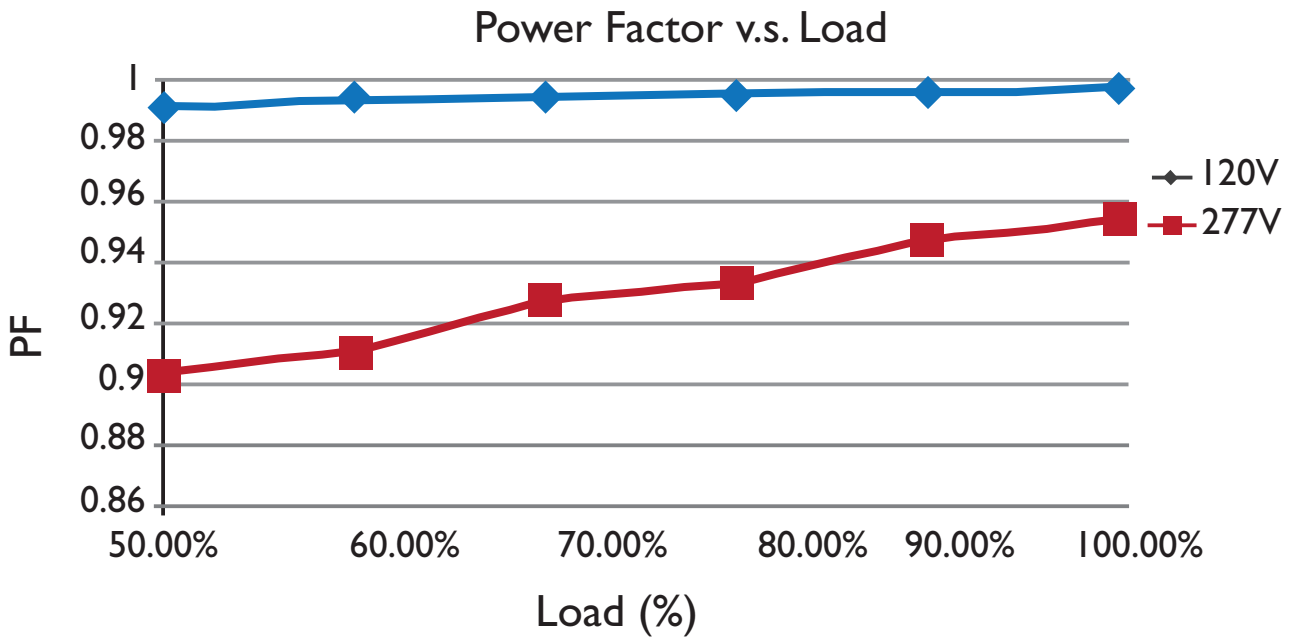

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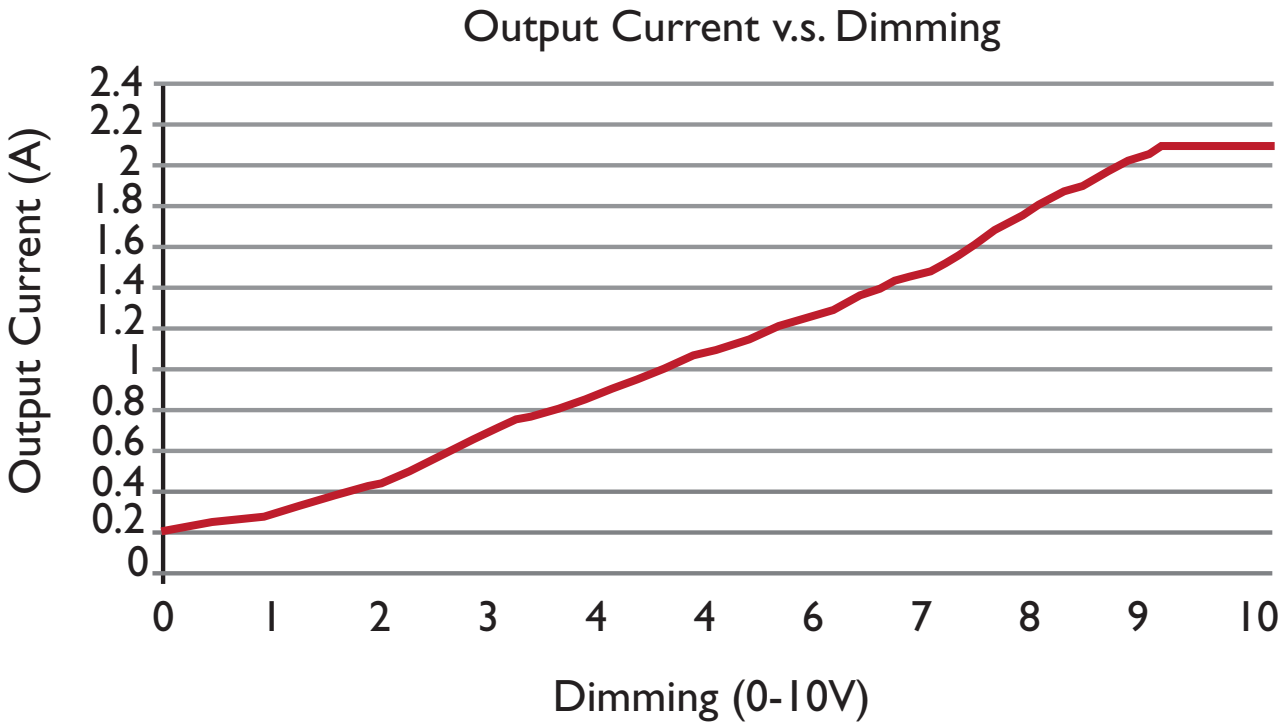

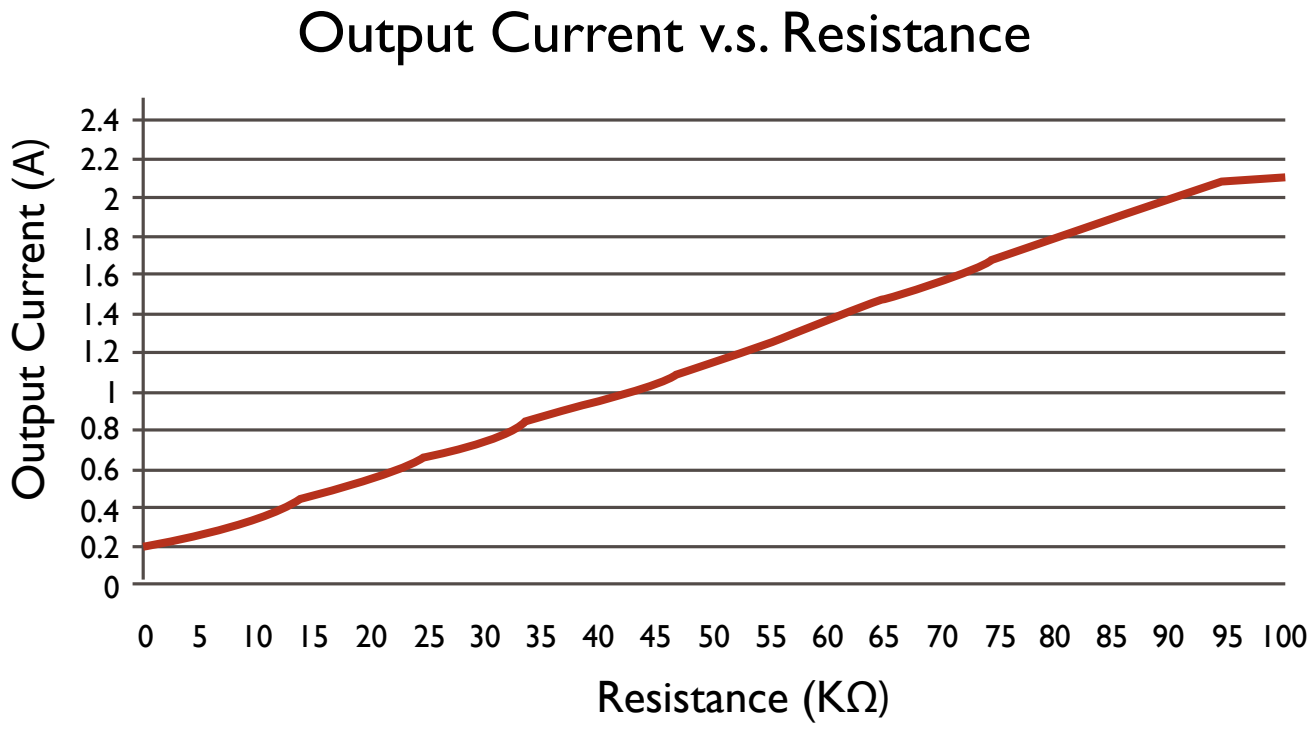

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