

### Model Number AC-84CD2100ATFY AC84CD2100ATBFY

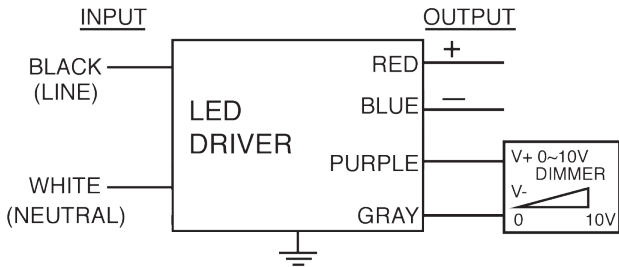
Input Voltage: 120-277V  
Input Frequency: 50/60Hz  
Side and Bottom Mount/Leads Options

**MULTI-CURRENT SWITCHING AND DIMMING**

#### 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.	IP Rating	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	64	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	64	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	64	86%	0 to 10V	10 to 100%

#### WIRING:



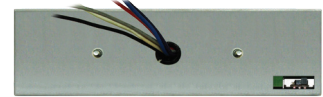
#### Lead Lengths

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

#### PHYSICAL:



Hot Spot



Bottom Mount Option  
Model Number:  
AC84CD2100ATBFY

#### Dimensions

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

#### Driver Option:

- 12V Output Tap Wire
  - IP 67 Rating
  - 10% dimming, Dim-To-Off and 1%
  - 10Kv Surge Protection
- Consult Factory for model number and form factor

#### SAFETY & PERFORMANCE:

- UL US Class 2
- cUL LVLE
- UL Outdoor Type I
- 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)

#### 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](http://aceleds.com) for complete warranty policy.



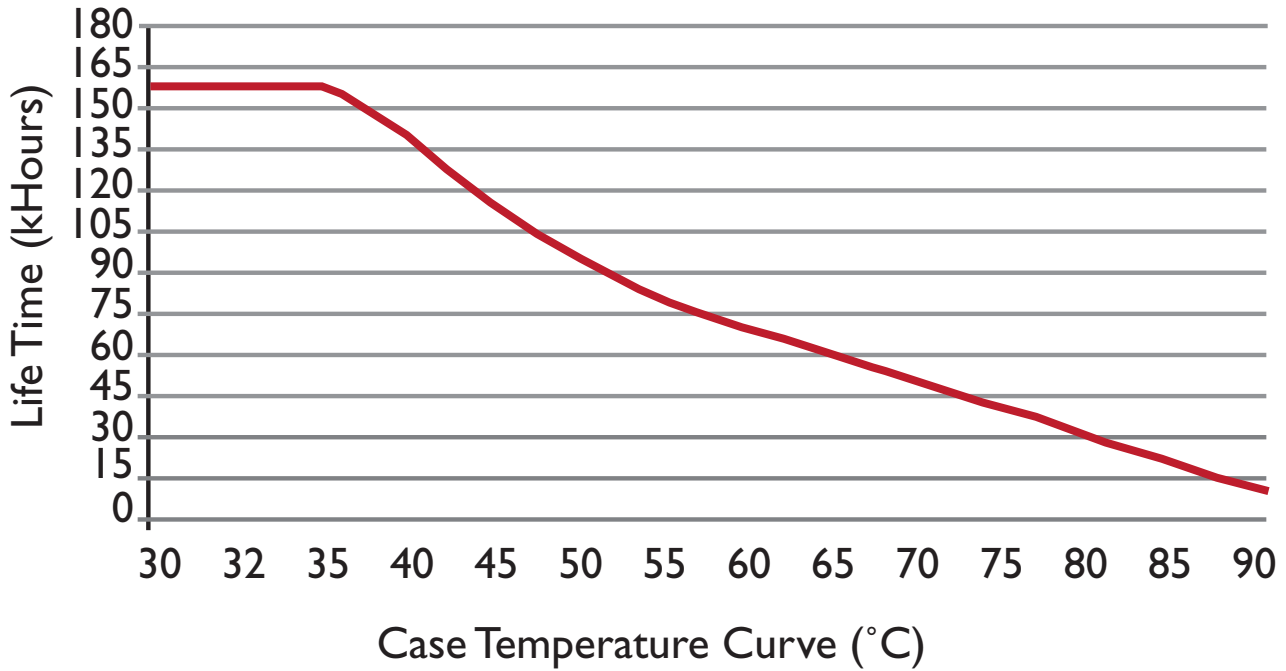
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Data is based upon tests performed by AC Electronics in a controlled environment and representative performance. Actual performance can vary depending on operating conditions. Specifications are subject to change without notice. All specifications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



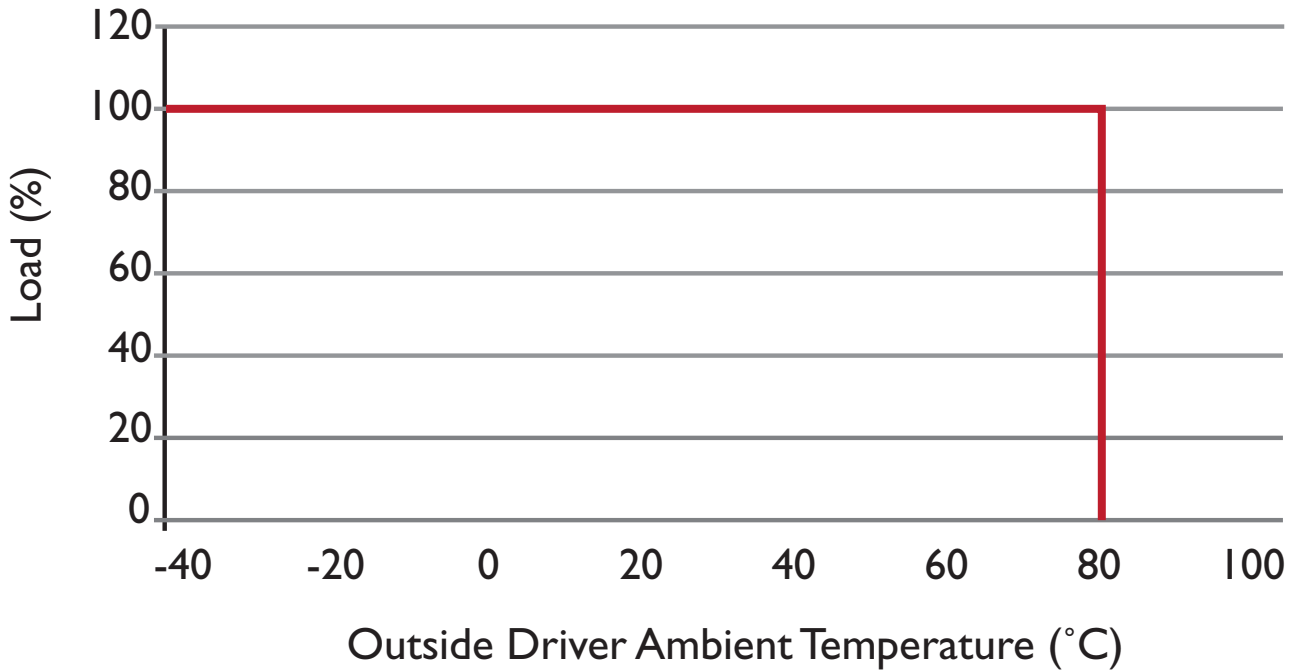
Performance Characteristics

Life Time v.s. Case Temperature Curve



Derating Curve

120Vac & 277Vac

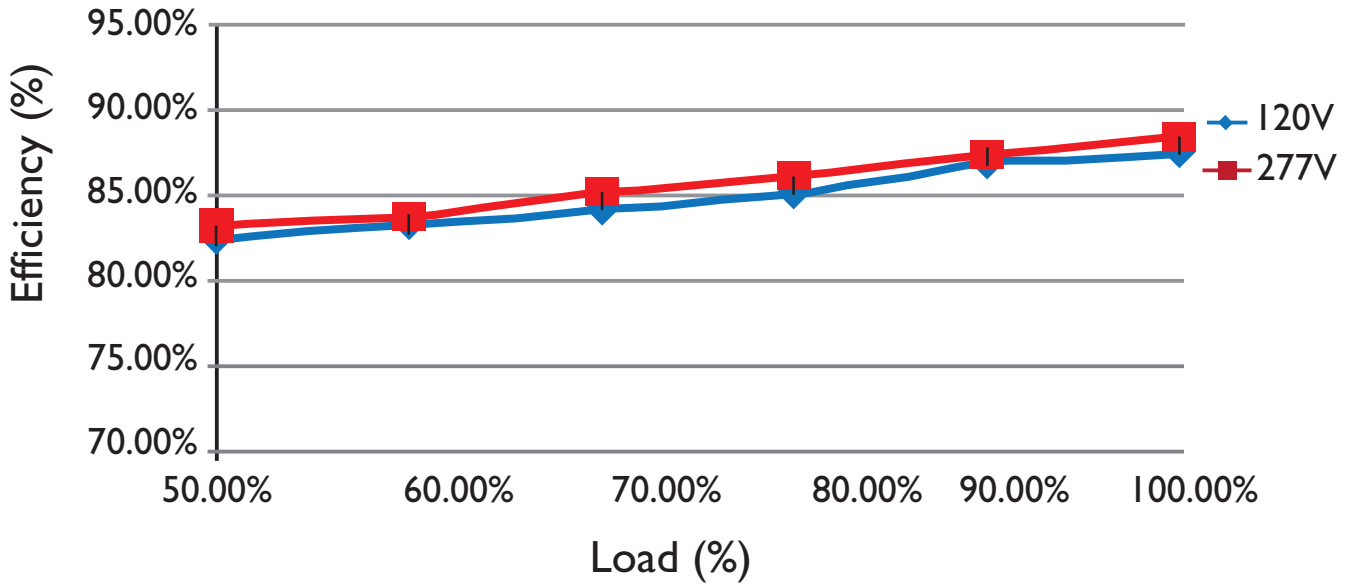


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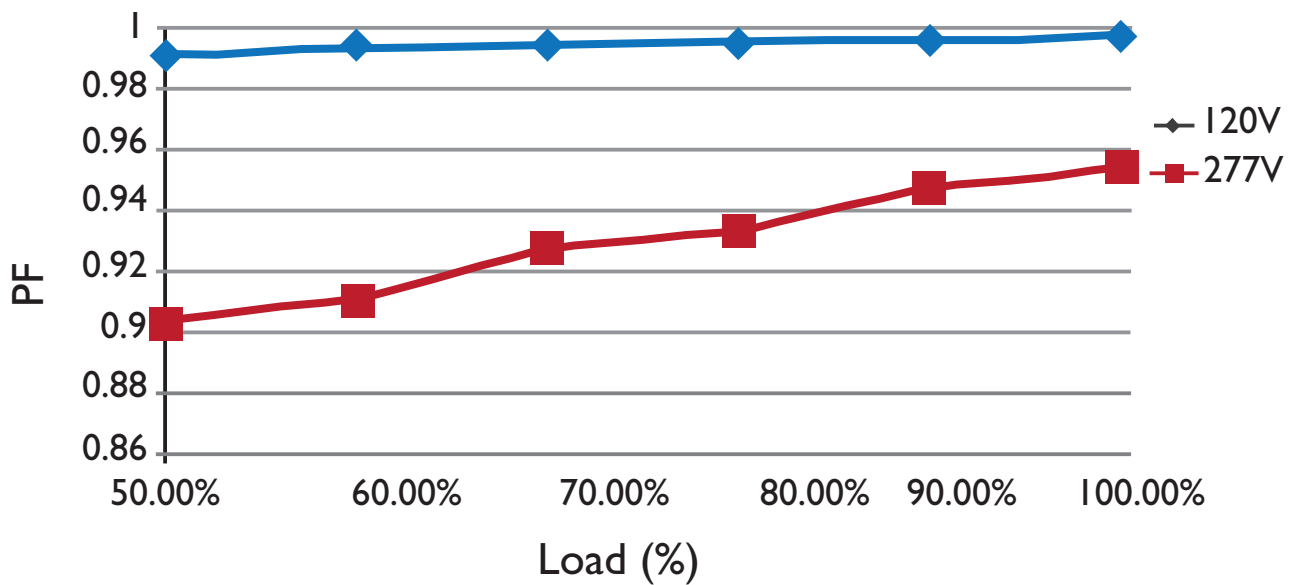
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Performance Characteristics

Efficiency v.s. Load



Power Factor v.s. Load

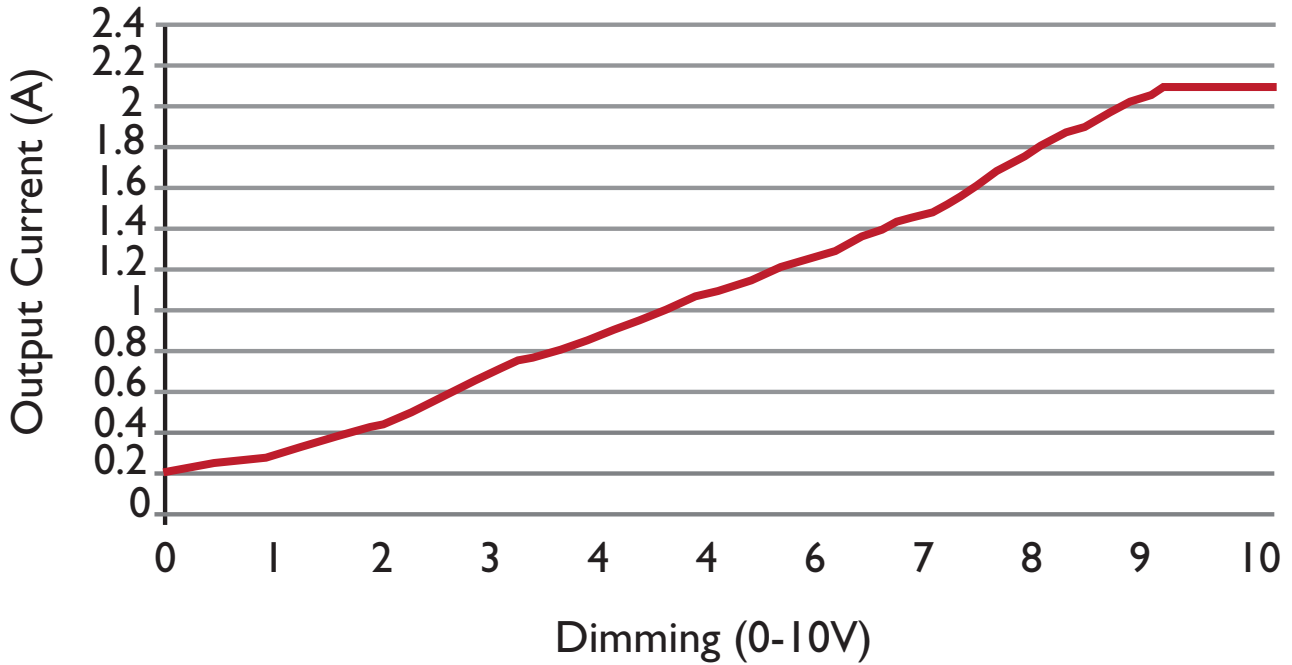


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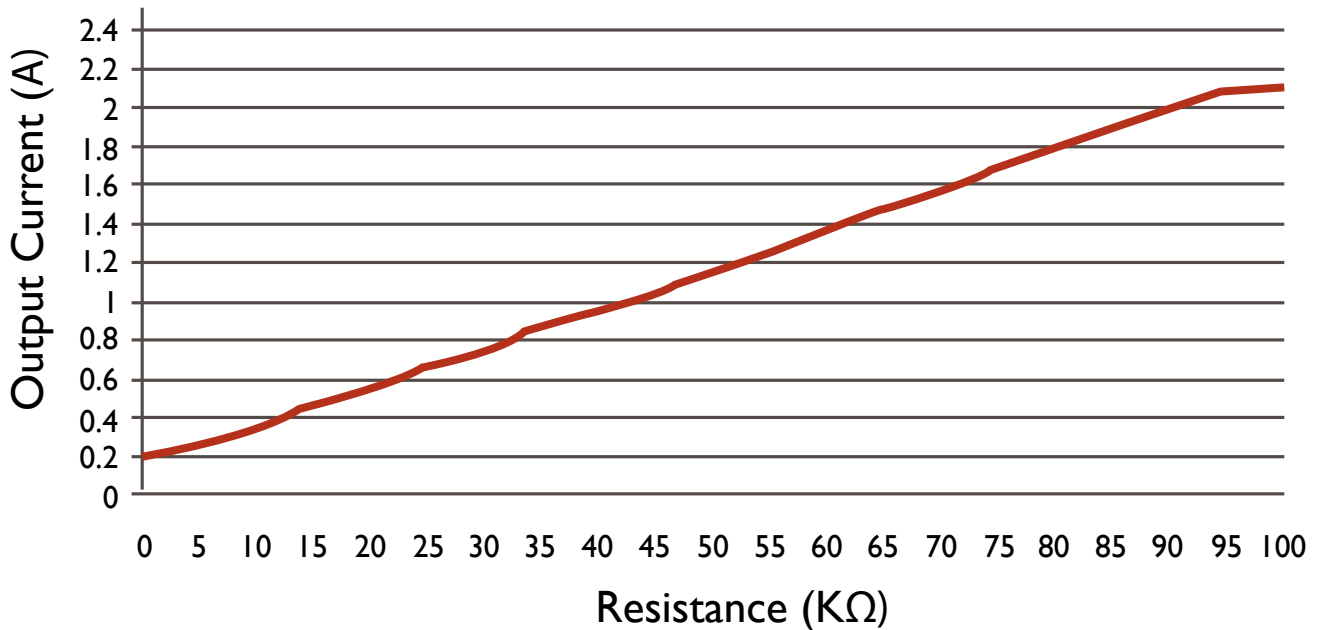
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Performance Characteristics

Output Current v.s. Dimming



Output Current v.s. Resistance



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