



**Programmable, Digital,
Wide-Range Adjustable Current & Dimming**

Constant Current LED Driver

**Model Number:
AC-98CD2.1APMX**

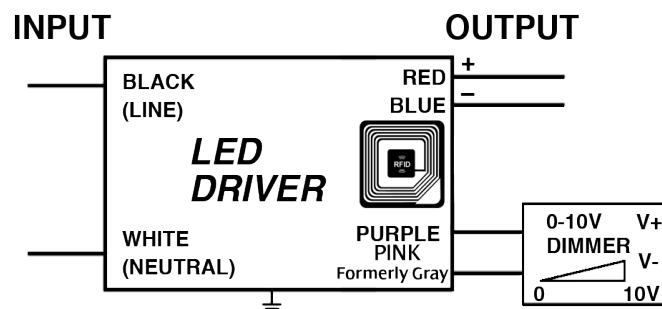
Input Voltage: 120-277V
Input Frequency: 50/60Hz
Side and Bottom Mount/Leads Options
< 1 Sec. Start time/(Starting with batch code AKT.48)

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
98 W	113 W	0.94 A @ 120 V, 0.41 @ 277 V	>0.9	<20%	27-55 V	1050 to 2100 mA	90 °C	-40 °C	88%	64	0 to 10 V	10 to 100%

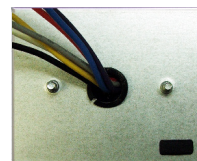
** This driver can operate down to -40 °C in a non-dimming condition. Below 0 °C some flicker may be observed.

WIRING:



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

PHYSICAL:



Bottom Mount
Model No:
AC-98CD2.1APBMX



Hot Spot

Use with [NFC-V Reader App](#)
Available Free at Google App Store

Dimensions	Length	Width	Height	Mounting
AC-98CD2.1APMX	9.5"	2.4"	1.46"	8.9"

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

SAFETY:

- Class A sound rating
- Overload Protection
- Open/Short Circuit Protection
- Input/Output Isolation
- 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*
- 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:

- Max Remote installation distance is 18 ft
- LED driver cases should be grounded
- LED drivers shall be installed inside electrical enclosures
- 18 AWG 600V/105C tinned stranded copper lead-wires are required for installation



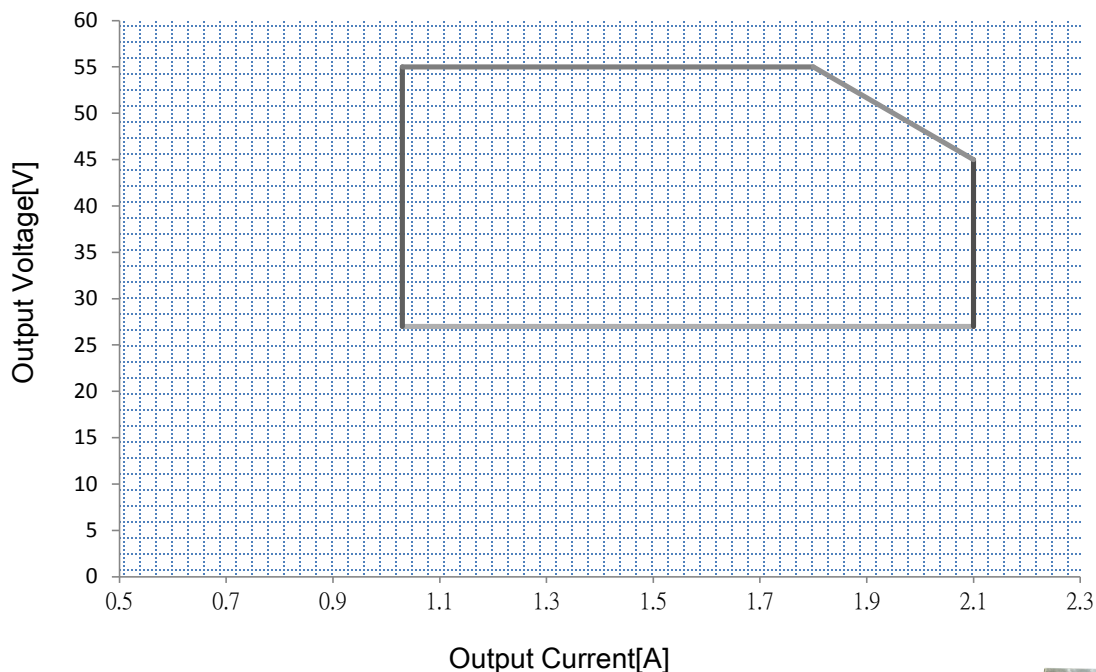
*AC Electronics/AC LED Power Designs warrants to the purchaser that each LED Driver will be free from defects in material or workmanship for a period of 5 years when operated at max case temp of up to <75°C; 3 years from date of manufacture when operated at a max case temp of up to 90°C when properly installed and under normal conditions of use. See aceleds.com for complete warranty policy.

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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.

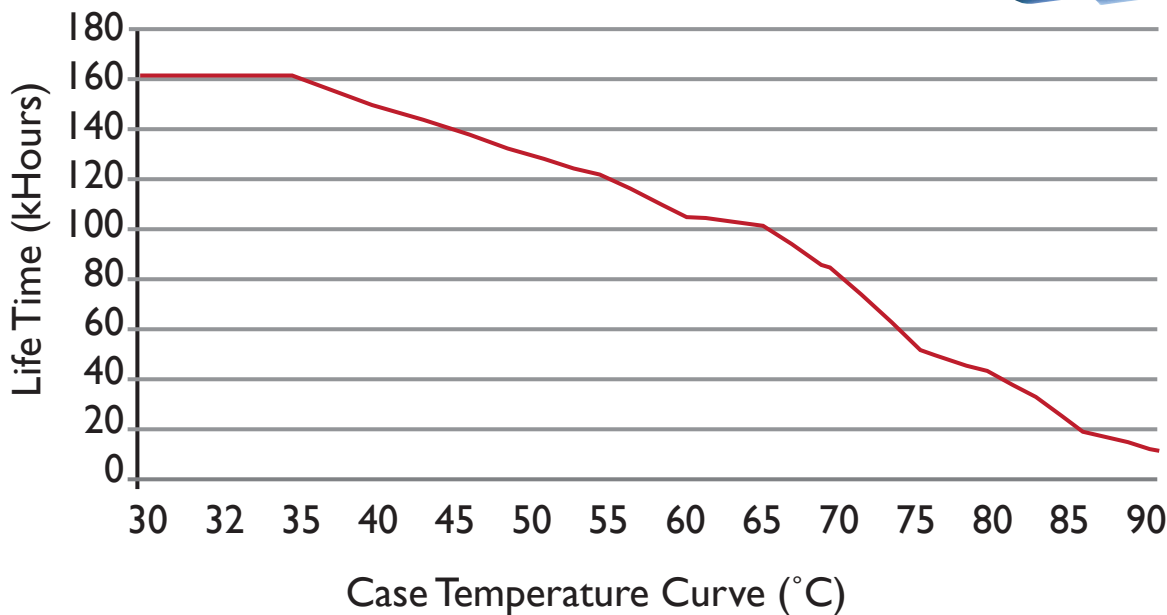


IOUT/VOUT CURVE

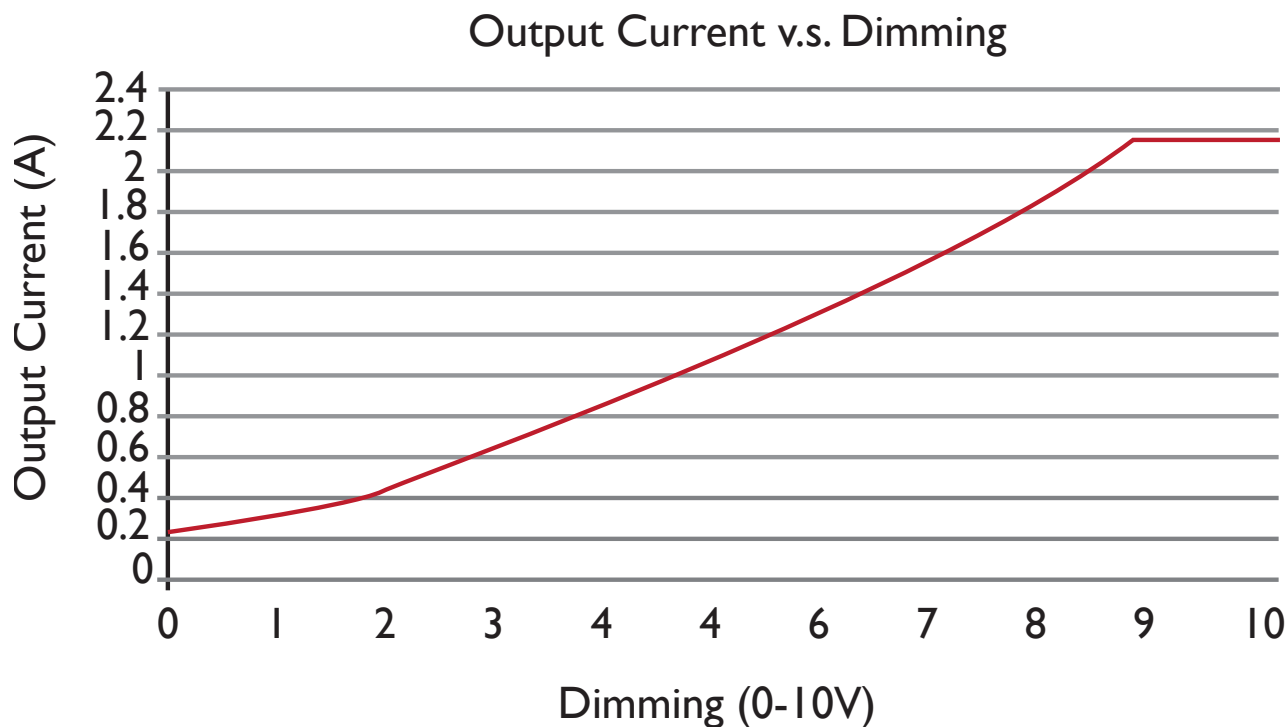
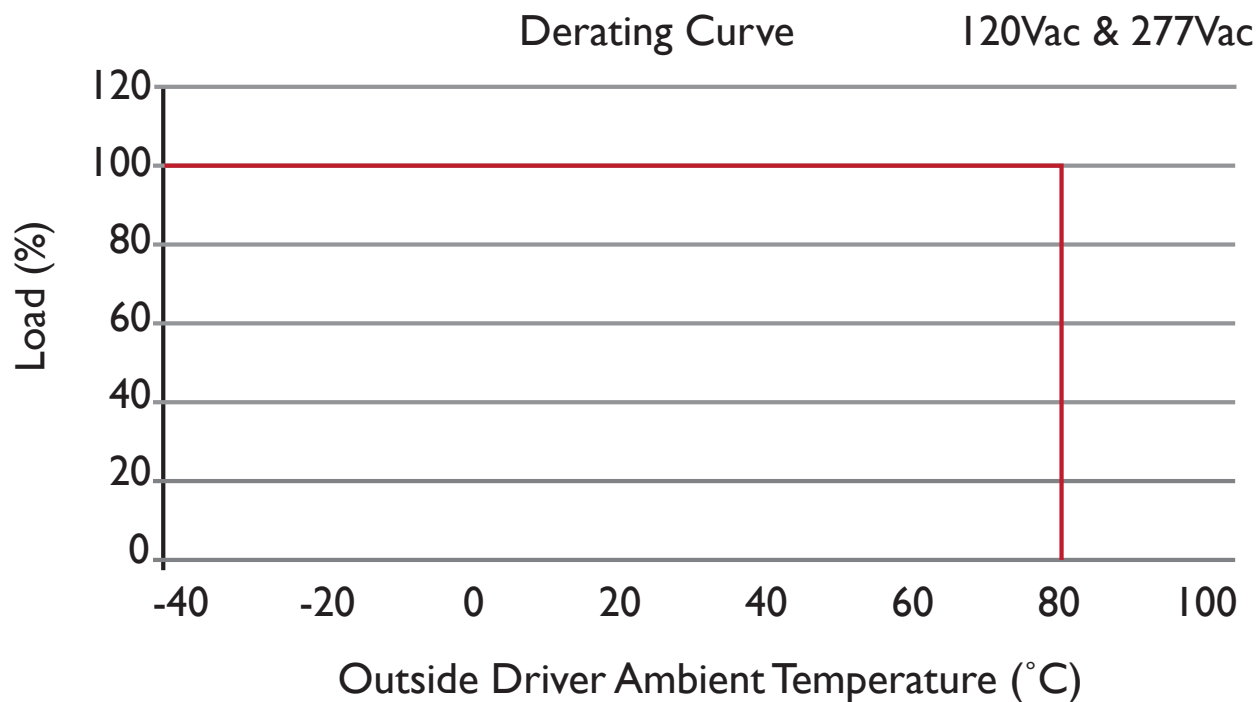


CONTROL THE IOUT WITH THE PROGRAMMING WAND. DOWNLOAD SOFTWARE FROM <http://www.aceleds.com/programmable.php>

Life Time v.s. Case Temperature Curve

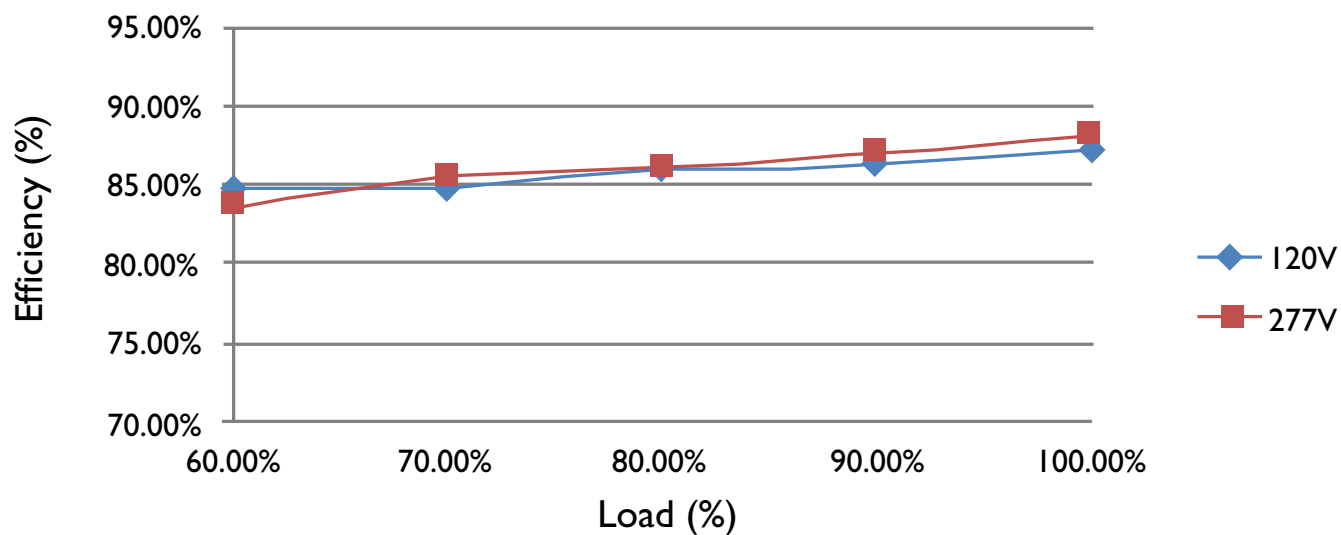


PERFORMANCE CHARACTERISTICS

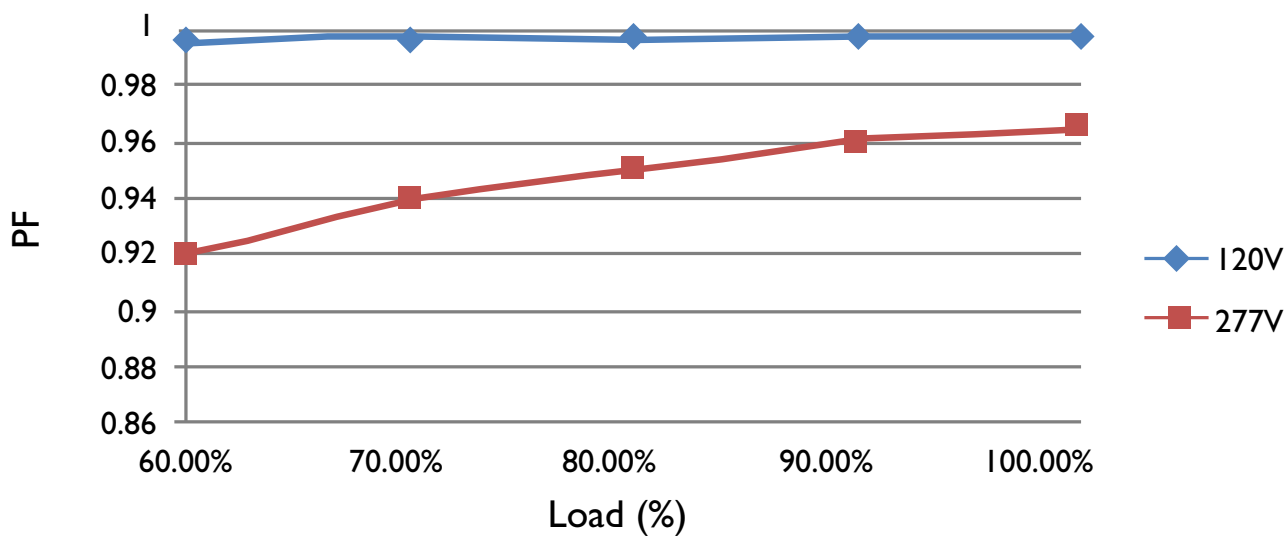


PERFORMANCE CHARACTERISTICS

Efficiency v.s. Load

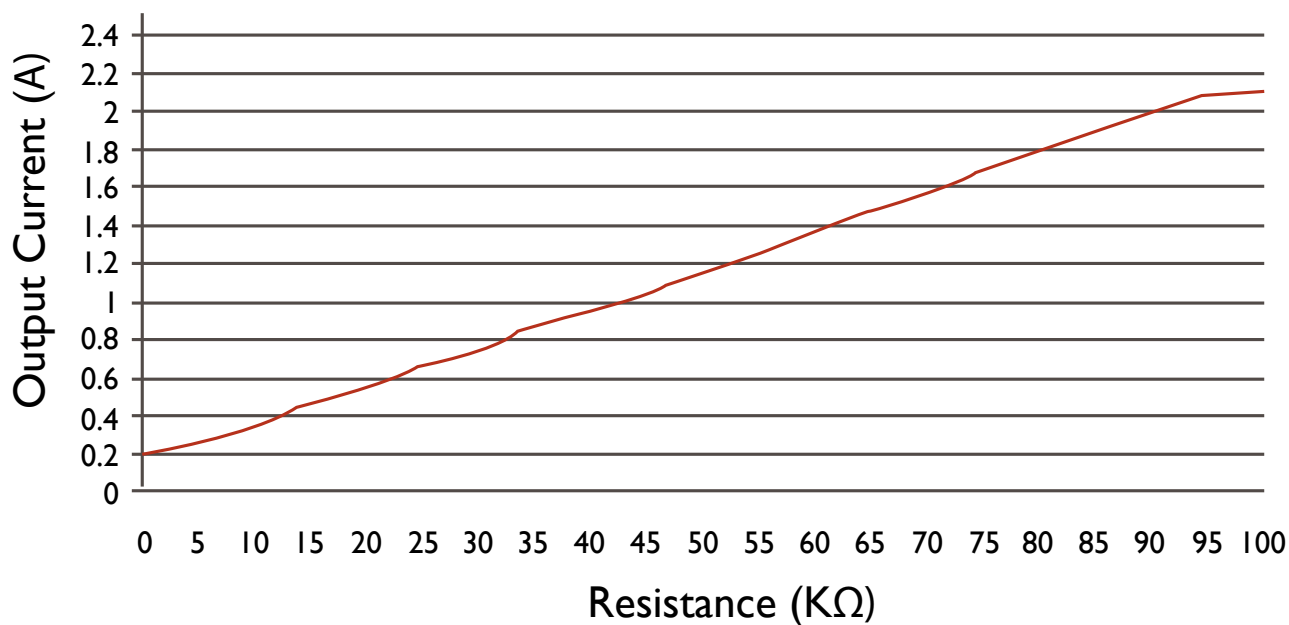


Power Factor v.s. Load



PERFORMANCE CHARACTERISTICS

Output Current v.s. Resistance



THD% v.s. Load

