AC ELECTRONICS™
ACELEDS.COM

EPA POLLUTION PREVENTER — *energy* ★

PROGRAMMABLE, DIGITAL, WIDE-RANGE AJUSTABLE CURRENT & DIMMING CLASS P LISTED
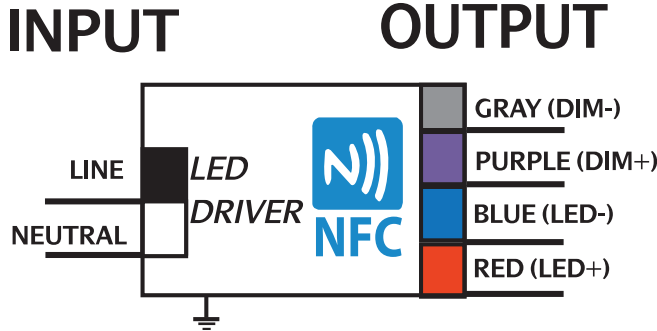
Constant Current LED Driver
Model Number AC-30CD700APXL

Input Voltage: 120-277V
Input Frequency: 50/60Hz
Side Mount/Lead
< 1 Sec. Start time
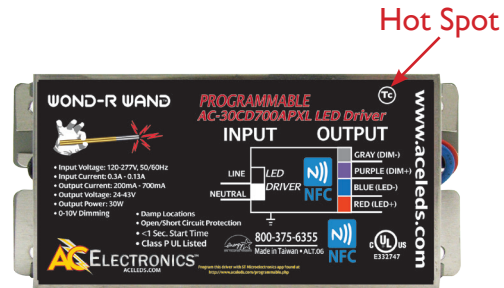Dim-to-Off @Max Current

ELECTRICAL SPECIFICATIONS:

Output Power	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	Dimming Protocol	Dimming Range	IP Rating
30W	36.5W	0.3A@120V 0.13A@277V	>0.90	<20	26-43V	200mA-700mA	90°C	-40°C	82%	0-10V	1 to 100%	64

WIRING:

INPUT   OUTPUT

LINE
NEUTRAL
LED DRIVER NFC

GRAY (DIM-)
PURPLE (DIM+)
BLUE (LED-)
RED (LED+)

PHYSICAL:

Hot Spot

Tref Max Value (°C)	Tc/Tref Value (°C)	Ta/Value (°C)
90	58.2	40

Dimensions	Length	Width	Height	Mounting
AC-30CD700APXL	5.23"	2.48"	1.18"	4.84"

SAFETY:

• Class P Listed
• Class A sound rating
• Overload Protection
• UL Class 2
• 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:

• 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

c**UL**us LISTED

*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.

RoHS COMPLIANT LEAD-FREE

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AC-30CD700APXL

Use with NFC-V Reader App Available Free at Google App Store

Phone Instructions

First you must have a Android device (phone/tablet) with NFC-V app downloaded.
Open App; then place the device on top of the driver matching up sensors untile it syncs up
Basic format

Write	To Check: Read
Insert the appropriate code from chart above	Read
Write	Shows you the Block - 00 00 00 00
Successfully written will appear	This is where the code you input appears

IOUT/VOUT CURVE
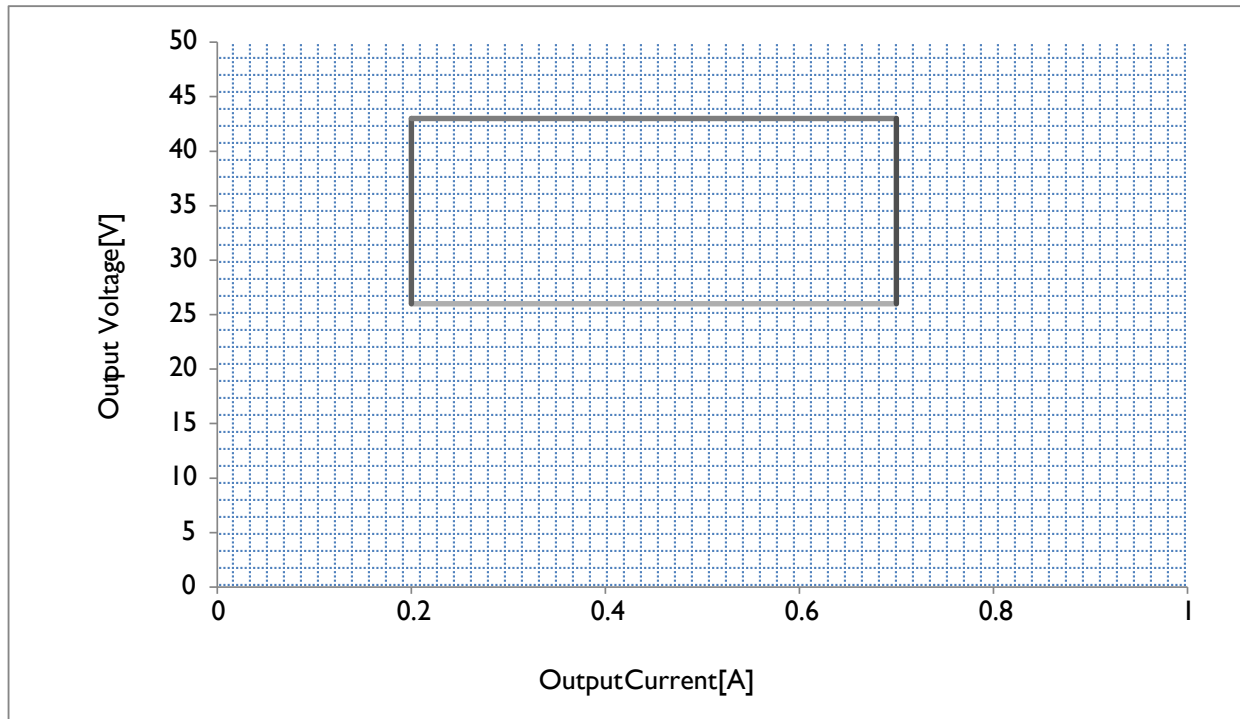
CONTROL THE IOUT WITH THE PROGRAMMING WAND. DOWNLOAD SOFTWARE FROM http://www.aceleds.com/products-programmable.php

Life Time v.s. Case Temperature Curve
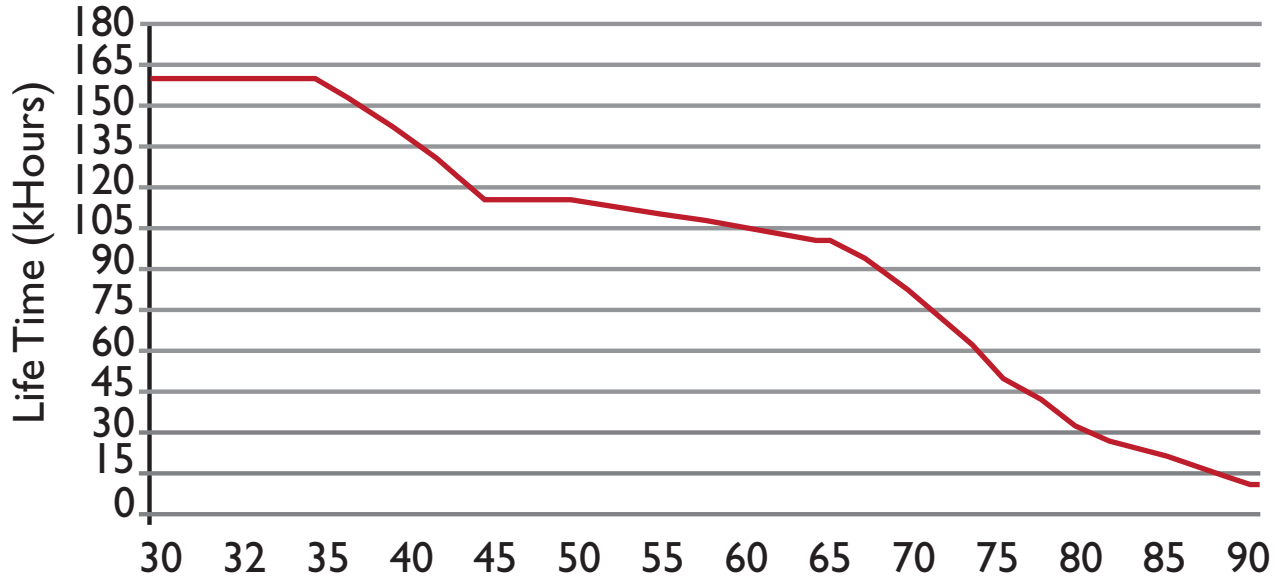
Life Time (kHours) vs Case Temperature Curve (°C)
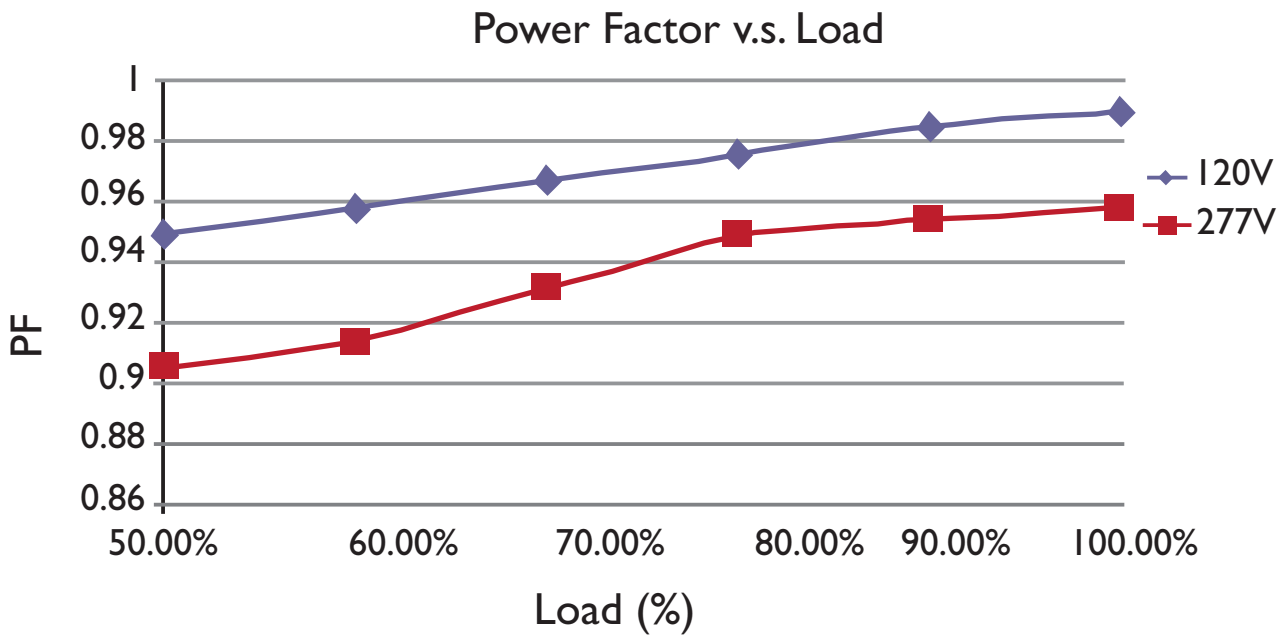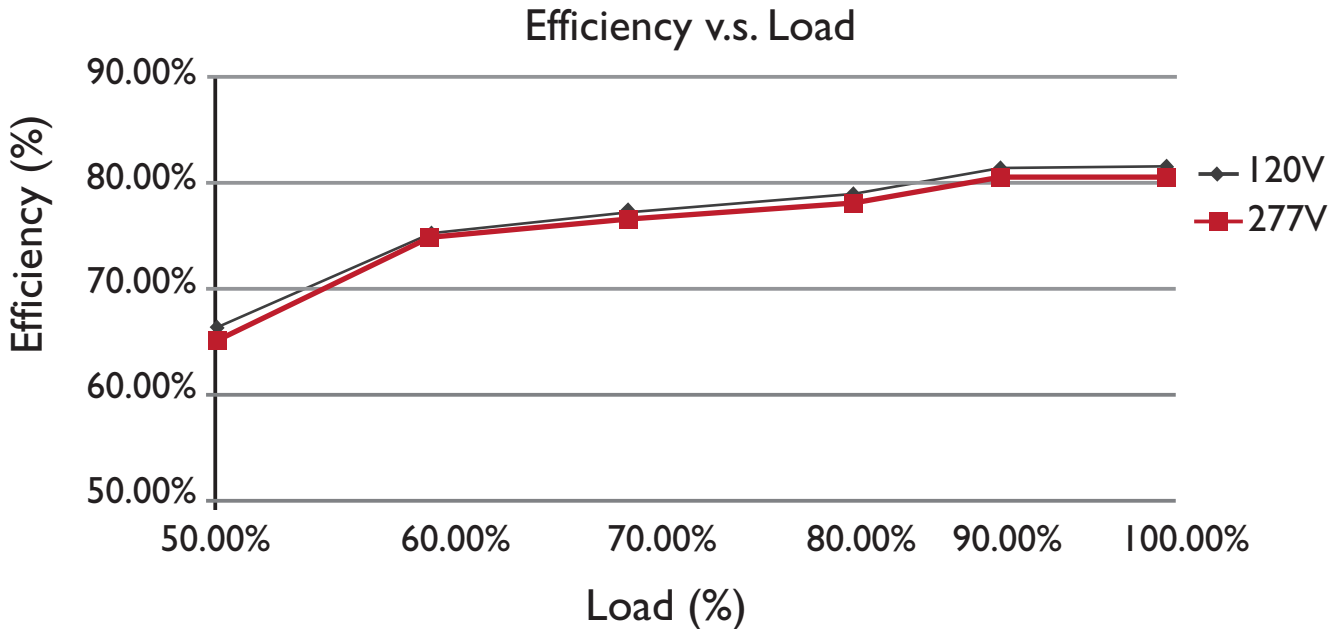
Derating Curve   120Vac & 277Vac
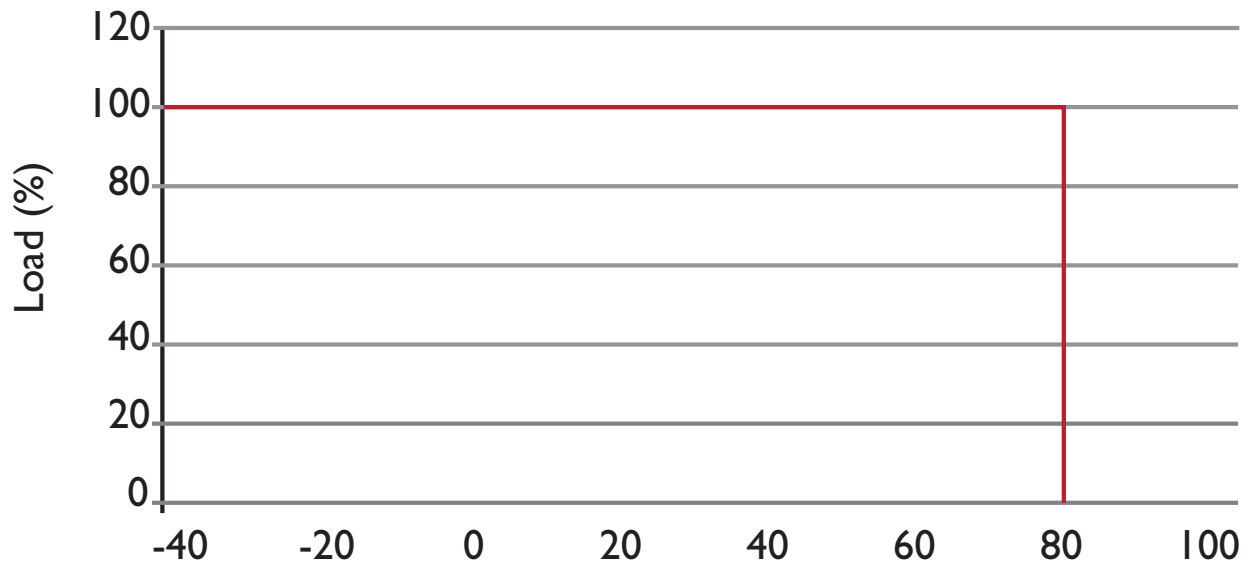
Load (%) vs Outside Driver Ambient Temperature (°C)

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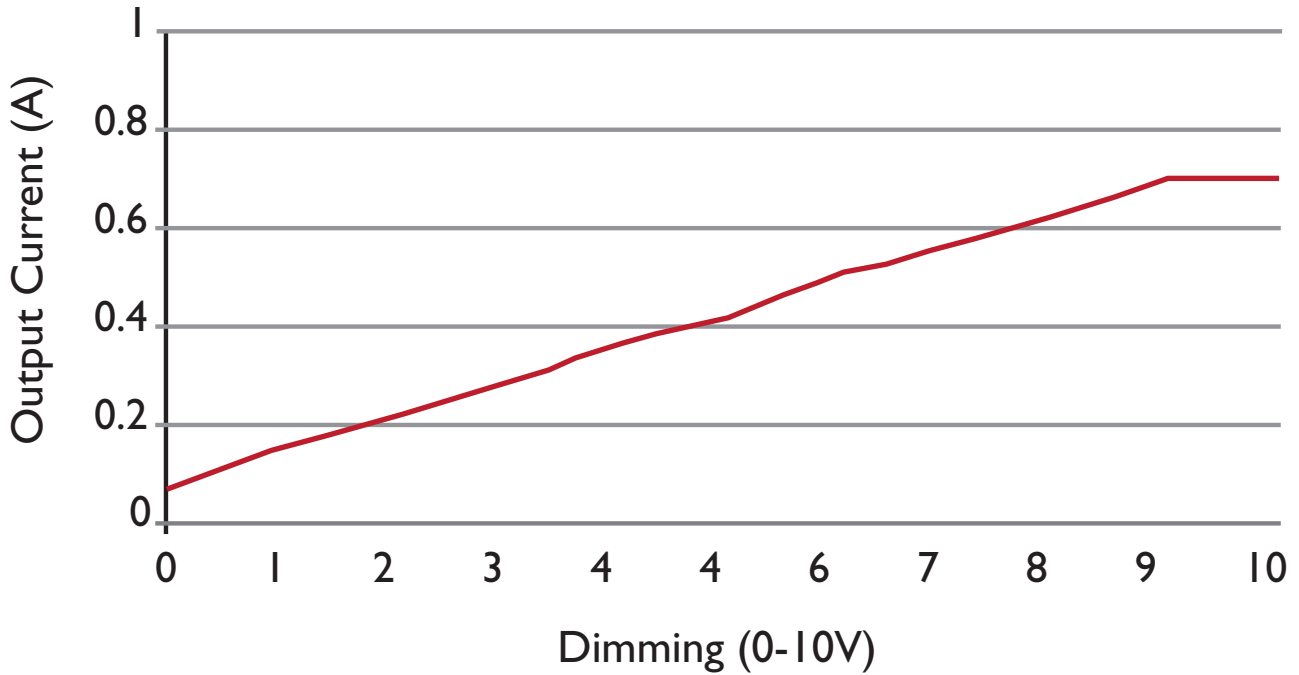
Data is based upon tests performed by AC Electronics in a controlled environment and representative performance. Actual performance can vary depending on operating conditions. Specifications are subject to change without notice. All specifications are nominal unless otherwise noted.
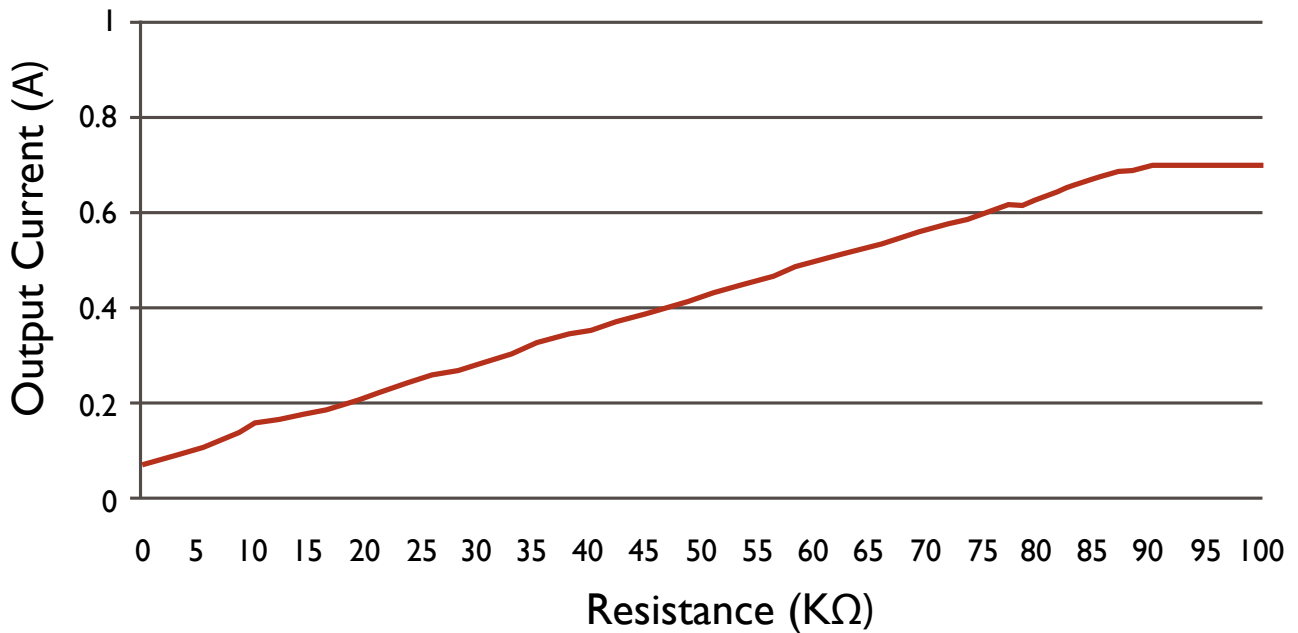
Efficiency v.s. Load

120V
277V

Efficiency (%) vs Load (%)

Power Factor v.s. Load

120V
277V

PF vs Load (%)

Output Current v.s. Dimming

Output Current v.s. Resistance

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