

MULTI-CURRENT SWITCHING AND DIMMING

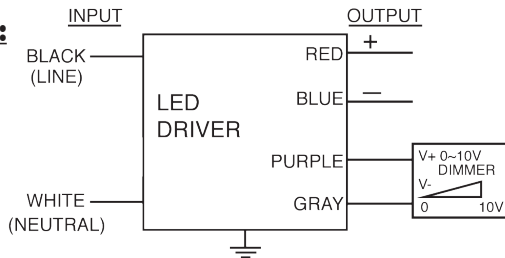
Model Number
AC-42CD700UV-QS
AC-42CD700AQBCC
AC-42CD700ATAK

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

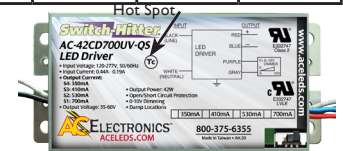
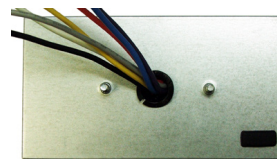
ELECTRICAL SPECIFICATIONS:

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.	IP Rating	Efficiency Up To	Dimming Protocol	Dimming Range
42W	52W @ 120V 51W @ 277V	0.44A @ 120V 0.175A @ 277V	>0.95	<20%	35-60V	700mA±5%	90° C	-40° C	64	82%	0 to 10V	10 to 100%
31W	38W @ 120V 37W @ 277V	0.33A @ 120V 0.14A @ 277V	>0.95	<20%	35-60V	530mA±5%	90° C	-40° C	64	83%	0 to 10V	10 to 100%
24W	30W @ 120V 29W @ 277V	0.25A @ 120V 0.11A @ 277V	>0.95	<20%	35-60V	410mA±5%	90° C	-40° C	64	83%	0 to 10V	10 to 100%
21W	26W @ 120V 25W @ 277V	0.22A @ 120V 0.09A @ 277V	>0.95	<20%	35-60V	350mA±5%	90° C	-40° C	64	83%	0 to 10V	10 to 100%

WIRING:



PHYSICAL:



Bottom Mount Option
 Model Number:
 AC-42CD700AQBCC

Dimensions

Length	6.5"	Mounting Length	5.9"
Width	2.9"	Weight	0.83 lbs.
Height	1.18"	Case Qty.	40 pcs.

Lead Lengths

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

Driver Option:

- 12V Output Tap Wire (AC-42CD700ATAK)

- 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 for complete warranty policy.

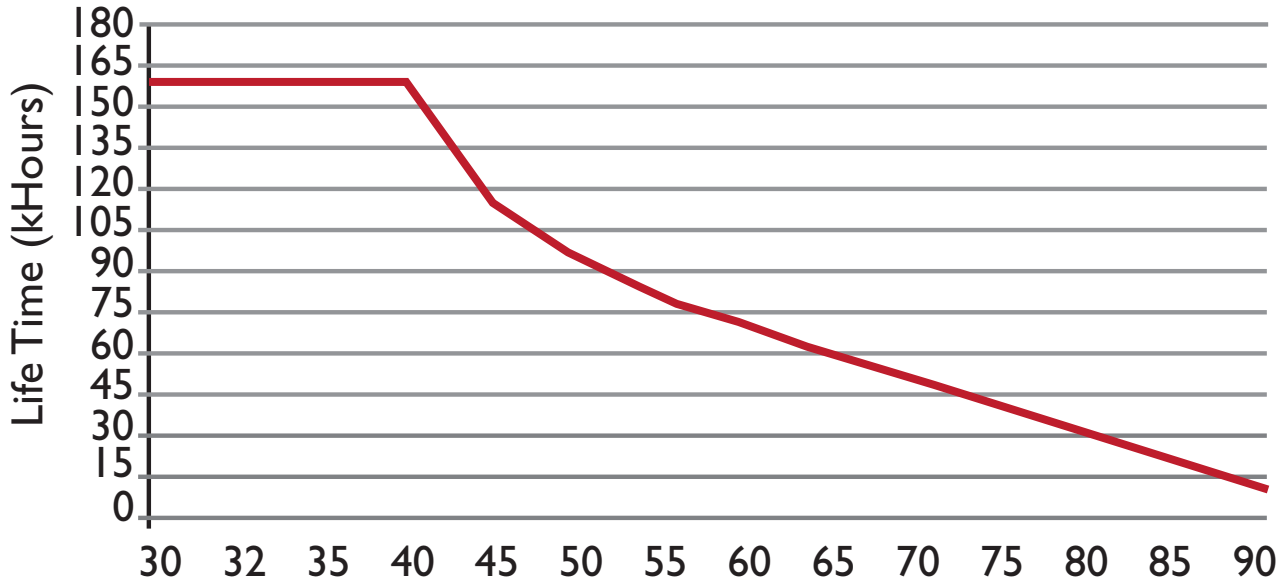


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Data is based upon tests performed by AC Electronics in a controlled environment and representative performance. Actual performance can vary depending on operating conditions. Specifications are subject to change without notice. All specifications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



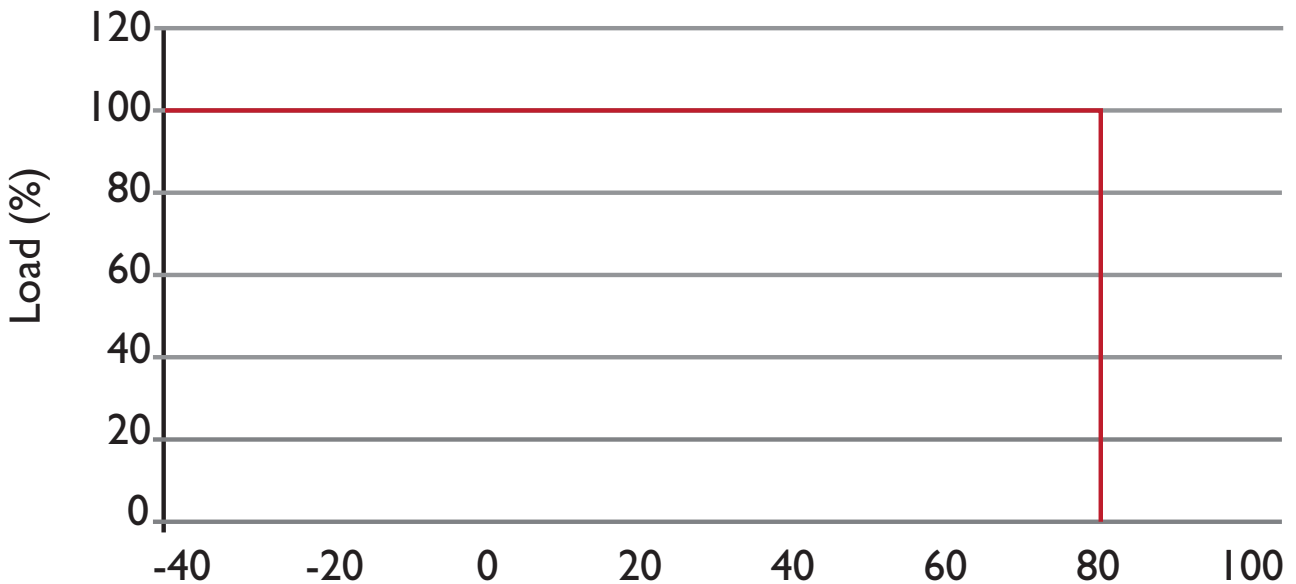
Performance Characteristics
Life Time v.s. Case Temperature Curve



Case Temperature Curve (°C)

Derating Curve

120Vac & 277Vac



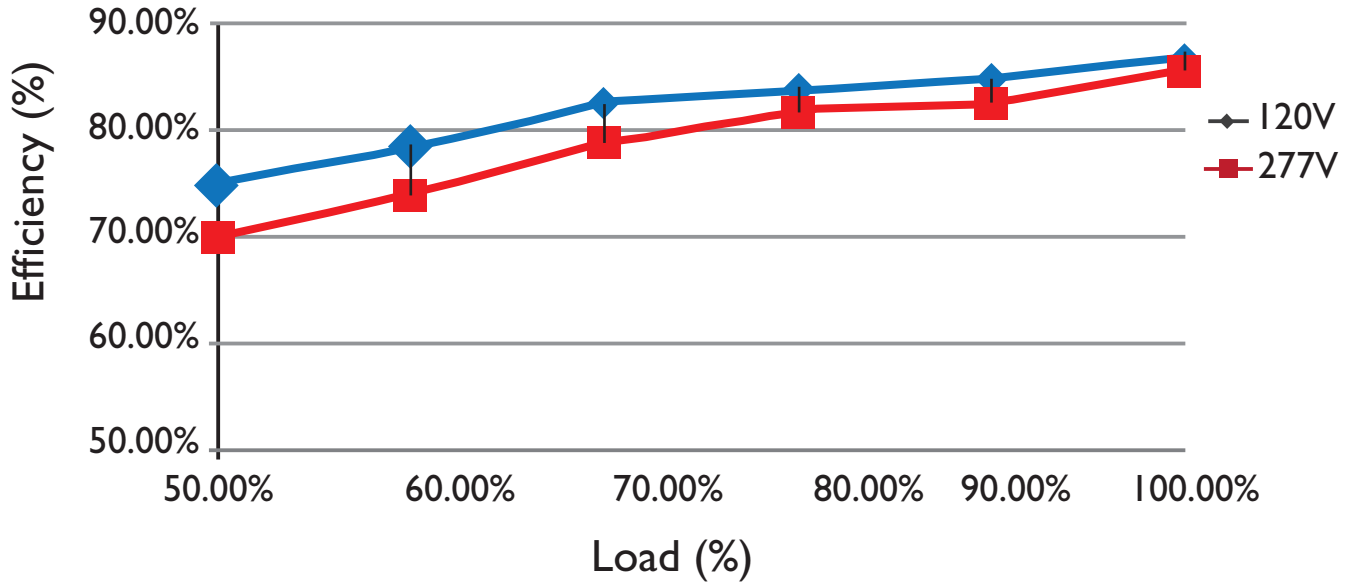
Outside Driver Ambient Temperature (°C)

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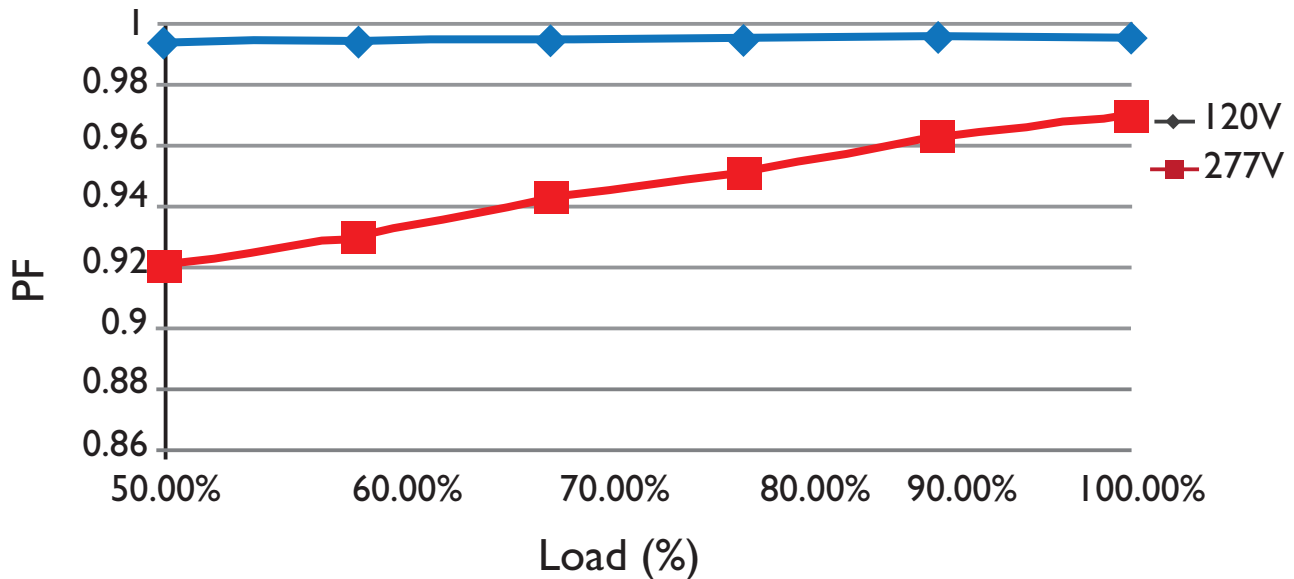
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Performance Characteristics

Efficiency v.s. Load



Power Factor v.s. Load

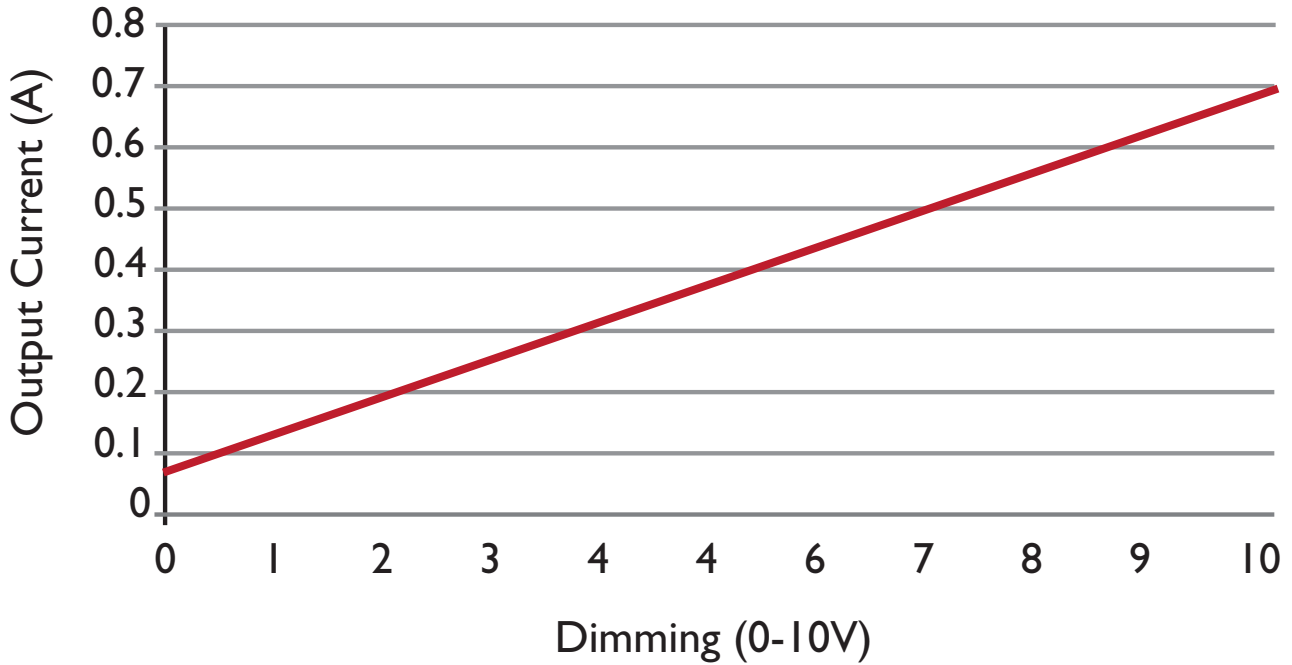


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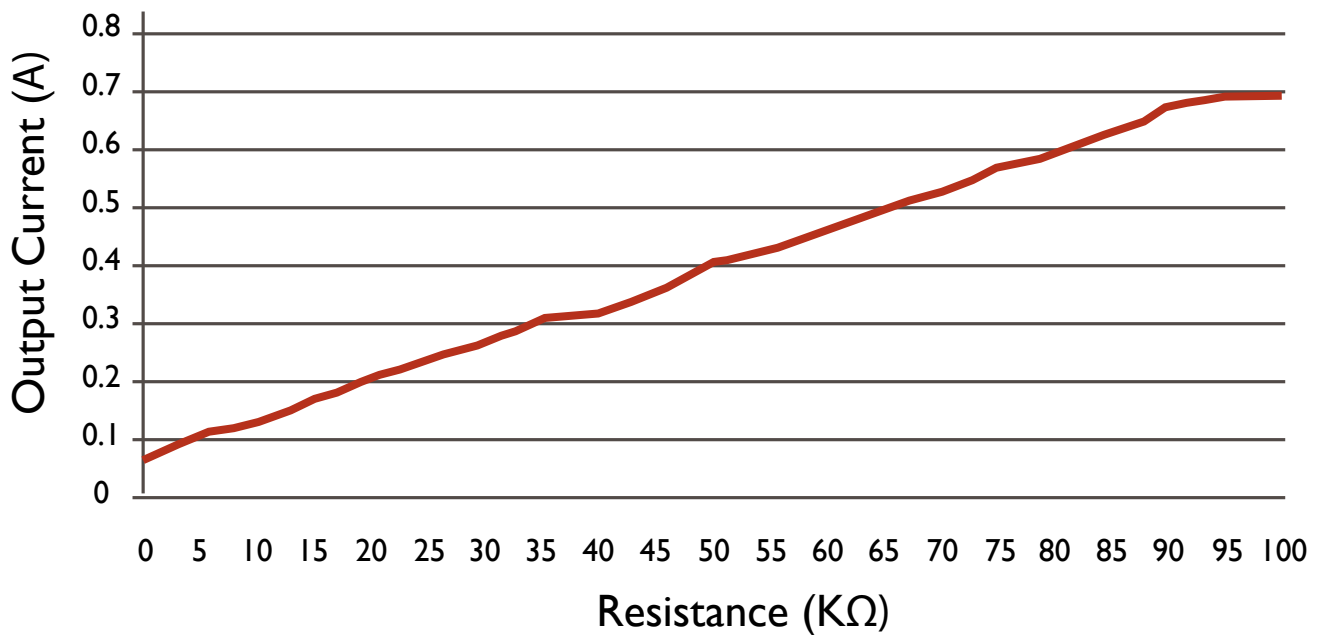
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Performance Characteristics

Output Current v.s. Dimming



Output Current v.s. Resistance



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