

TRIAC/Phase Cut Dimming Leading Edge Dimming Driver



Constant Current LED Driver

Model Number AC25CT700KT2Q

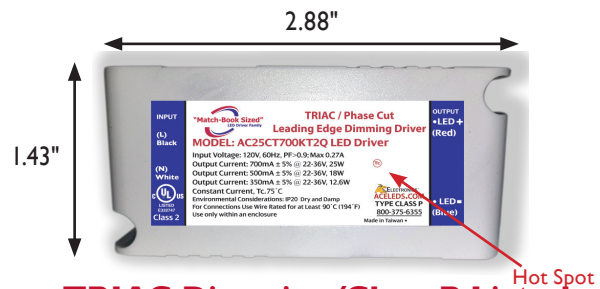
Input Voltage: 120VAC (±10%) Surge Protection: 2Kv
 Input Frequency: 60Hz Multi-Switching Current
 Side Mount/Leads Leading Edge TRIAC Dimming



The Smallest Possible Form Factors™

PHYSICAL:

Dimensions	
Length	2.88"
Width	1.43"
Height	1.07"
Mounting	2.68"
Weight	0.15 lbs.

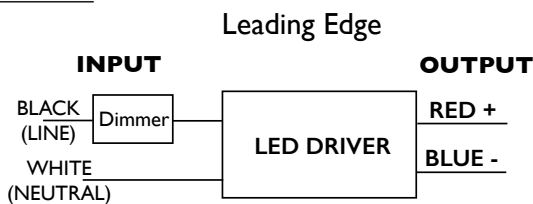


TRIAC Dimming/Class P Listed

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	Dimming Protocol	Dimming Range	Efficiency Up To
25W	28.6W	0.27A@120V	>0.9	<20	22-36V	700mA±5%	75° C	0° C	20	Phase Cut	≤5% to 100% ** Dim-to-Off	83%
18W	20.5W	0.17A@120V	>0.9	<20	22-36V	500mA±5%	75° C	0° C	20	Phase Cut	≤5% to 100% ** Dim-to-Off	83%
12.6W	14.7W	0.12A@120V	>0.9	<20	22-36V	350mA±5%	75° C	0° C	20	Phase Cut	≤5% to 100% ** Dim-to-Off	83%

WIRING:



Lead Lengths			
Black	6"	Blue	6"
White	6"	Red	6"

**Dimmer Compatibility Chart on page 3

SAFETY & PERFORMANCE:

- Class P Listed
- 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
- Warranty: 5 yrs based on max case temp of 75°C*
- Input/Output Isolation
- Surge Protection (2 KV)
- Title 24 Compatible (Depending on LED)
- FCC part 15 Class B (Without Dimmer)
- Class 2

INSTALLATION:

- LED drivers shall be installed inside electrical enclosures
- 22 AWG 600V/105C tinned stranded copper lead-wires are required to use in installation
- Max Remote installation distance is 33 ft

*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 from date of manufacture when operated at max case temp of up to ≤75°C when properly installed and under normal conditions of use. See aceleds.com for complete warranty policy.



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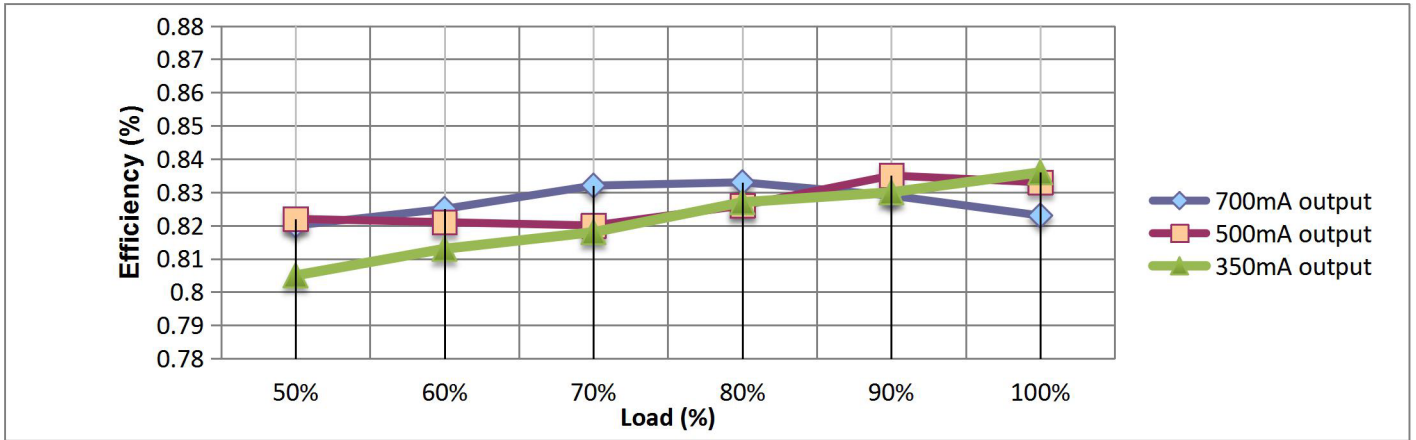
Data is based upon tests performed by AC Electronics in a controlled environment and representative performance. Actual performance can vary depending on operating conditions. Specifications are subject to change without notice. All specifications are nominal unless otherwise noted.



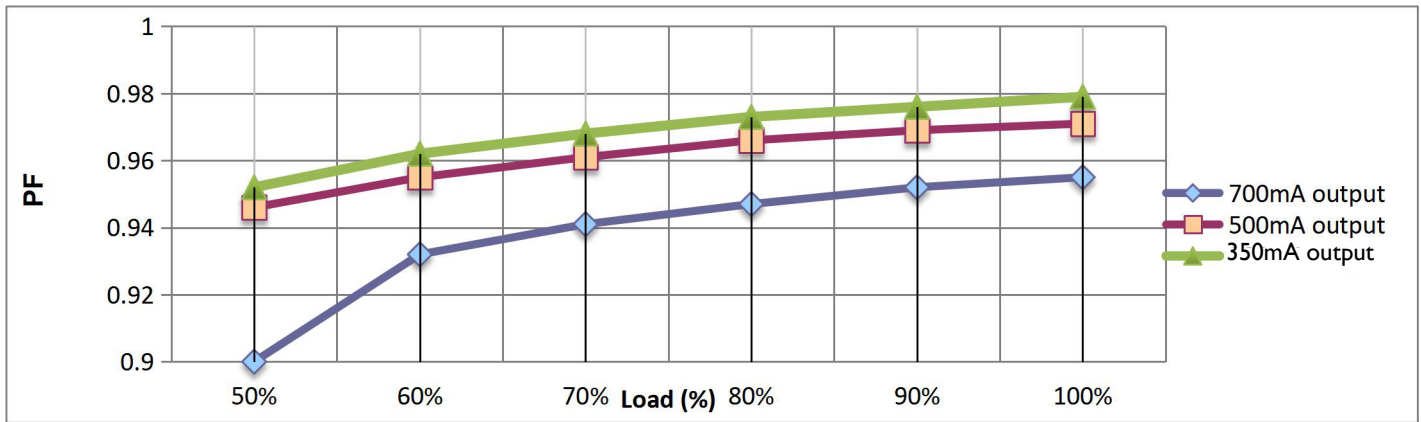


"Match-Book Sized" LED Driver Family
The Smallest Possible Form Factors™

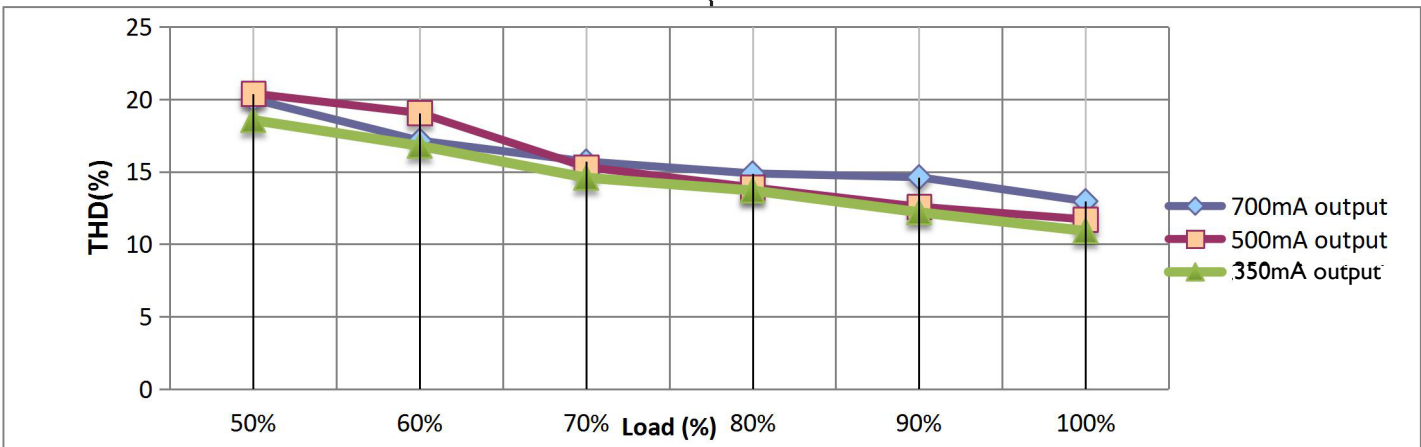
AC25CT700KT2Q



Efficiency Vs. Output Power



Power Factor Vs. Output Power



THD Vs Output Power



“Match-Book Sized” LED Driver Family

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Leading Edge Dimmer Compatibility		
Manufacturer	Model	Dimming Type
Leviton	6674	LEADING
Leviton	6684	LEADING
Leviton	RPI06	LEADING
Leviton	IPI06	LEADING
Lutron	NTLV-600	LEADING
Lutron	DV-103P	LEADING
Lutron	Skylark S-600P	LEADING
Lutron	DVCL-153P	LEADING

****Dimming Rate variable depending on Dimmer and LED Light source**