



The Smallest Possible Factors™



## TRIAC/Phase Cut Dimming Leading Edge Dimming Driver

# Constant Current LED Driver Model Number AC25CT700KT2Q

**Input Voltage:** 120 VAC (±10%)

**Input Frequency:** 60 Hz

**Dimming:** Leading Edge TRIAC

**Surge Protection:** 2 Kv

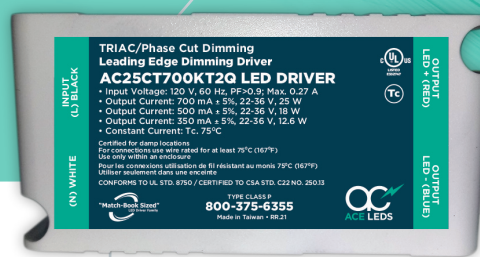
Side Mount/Leads

Multi-Switching Current

### PHYSICAL DIMENSIONS:

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

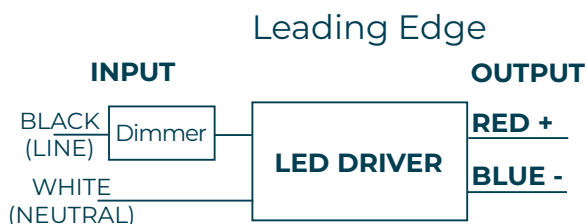
ACTUAL SIZE



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

### WIRING:



### LEAD LENGTH:

Black 6" | Blue 6"  
White 6" | Red 6"

### APPROVED DIMMERS:

\*\*Dimmer Compatibility Chart on page 2

To order or consult with one of our engineers, contact us at:  
**800-375-6355 / aceleds.com**



## 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  $\leq 75^{\circ}\text{C}$
- Warranty: 5 yrs based on max case temp of  $75^{\circ}\text{C}^*$
- 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
- Max Remote installation distance is 33 ft
- 22 AWG 600V/105C tinned stranded copper lead-wires are required to use in installation

\*ACE LEDS/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  $\leq 75^{\circ}\text{C}$  when properly installed and under normal conditions of use. See [aceleds.com](http://aceleds.com) for complete warranty policy.

## 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**

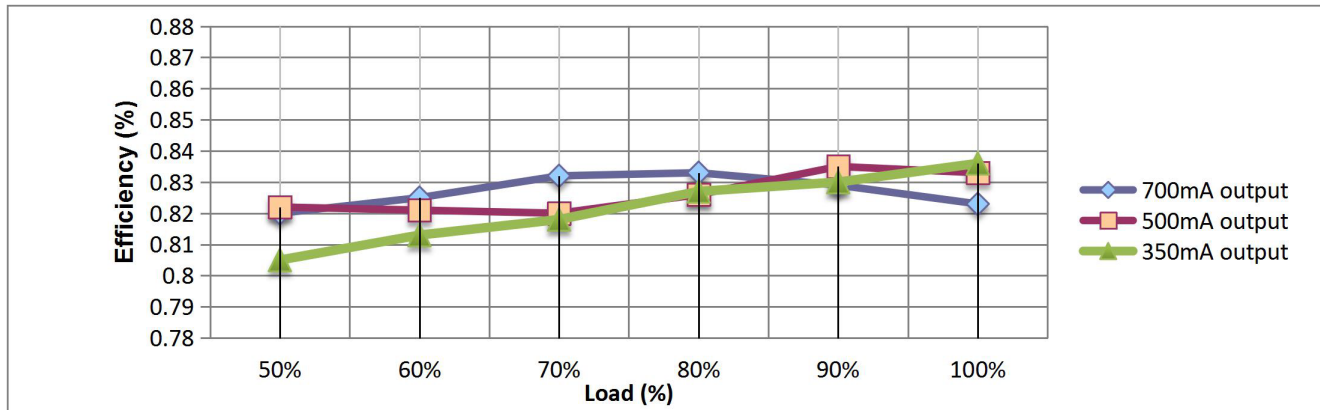


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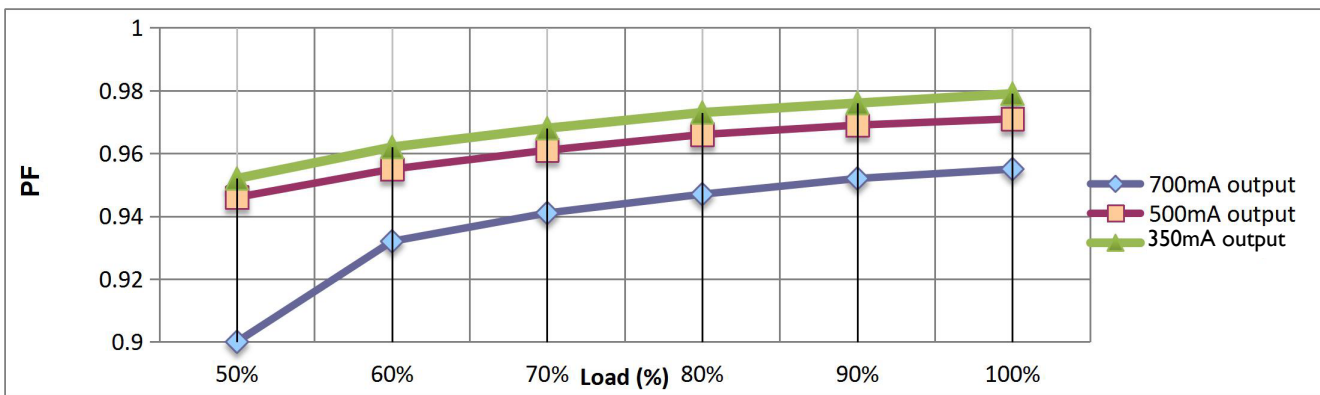
Data is based upon tests performed by ACE LEDS in a controlled environment and representative performance. Actual performance can vary depending on operating conditions. Specifications are subject to change without notice.  
All specifications are nominal unless otherwise noted.



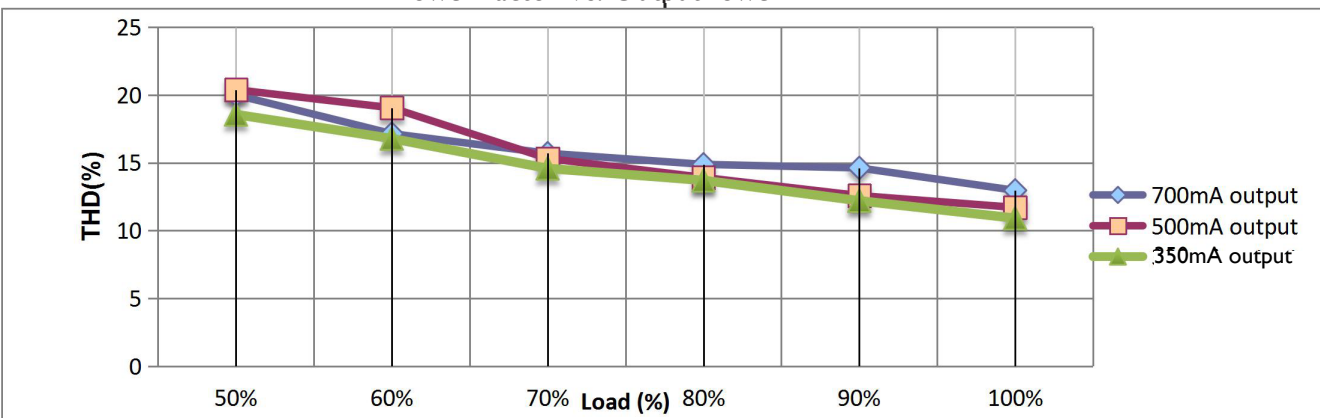
## PERFORMANCE METRICS: AC25CT700KT2Q



Efficiency Vs. Output Power



Power Factor Vs. Output Power



THD Vs Output Power