



Manufactured in the USA as a Component for  
BABA (Build America Buy America) Luminaires.



# Constant Current LED Driver

## Model Number **AC40CD1.05AT2US**

**Input Voltage:** 120-277 VAC ( $\pm 10\%$ )

**Input Frequency:** 50/60 Hz

**Dimming:** 0 to 100%

**Surge Protection:** 2 Kv

Side Mount/Leads

Multi-Switching Current

Dim-to-Off

### PHYSICAL DIMENSIONS:

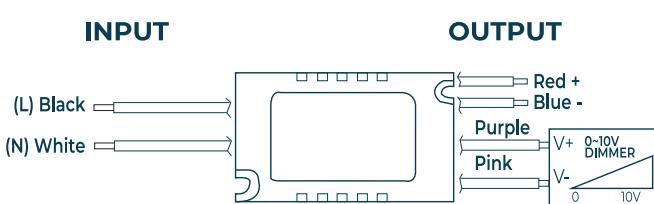
**Length:** 4.3"  
**Width:** 1.82"  
**Height:** 1.19"  
**Mounting:** 4.05"  
**Weight:** 0.353 lbs.



### 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
40 W	44 W	0.41 A @ 120 V 0.18 @ 277 V	>0.9	<20	23-38 V	1050 mA $\pm 5\%$	75°C	0°C	20	0 to 10 V	0 to 100%	91%
26.6 W	29.9 W	0.28 A @ 120 V 0.12 @ 277 V	>0.9	<20	23-38 V	700 mA $\pm 5\%$	75°C	0°C	20	0 to 10 V	0 to 100%	89%
19 W	21.8 W	0.20 A @ 120 V 0.09 A @ 277 V	>0.9	<20	23-38 V	500 mA $\pm 5\%$	75°C	0°C	20	0 to 10 V	0 to 100%	87%

### WIRING:



### LEAD LENGTH:

Black	6"	Blue	6"	Purple	6"
White	6"	Red	6"	Pink	6"

### APPROVED DIMMERS:

Lutron	NTSTV-DV	Leviton	IP710 DL
Lutron	NFTV	Watt Stopper	ADF 120277

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

## SAFETY & PERFORMANCE:

- 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)
- Thermal Protection (Dim-to-Cool) @  $90^{\circ}\text{C}$  (Internally)
- Dimming Curve on the next page

## 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.

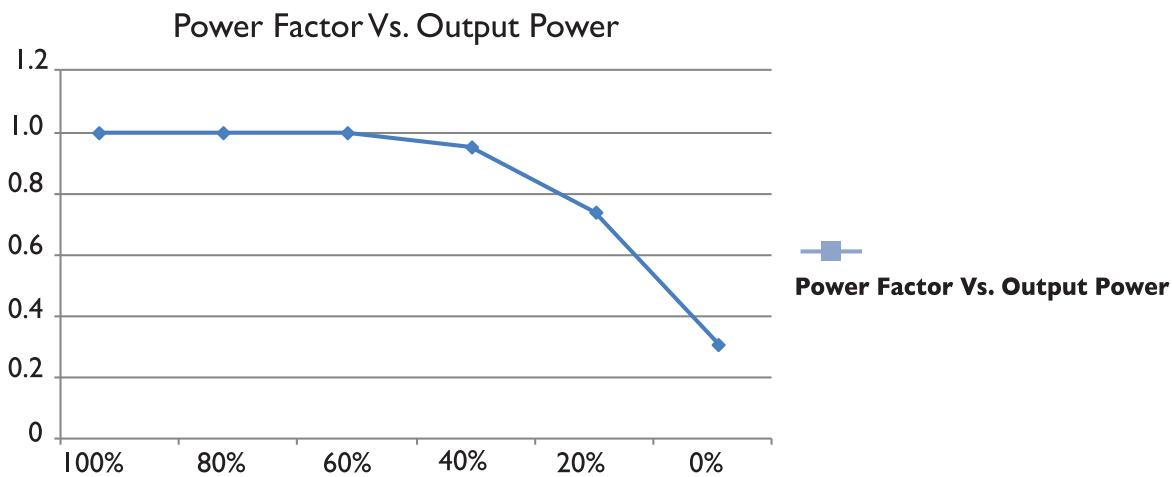
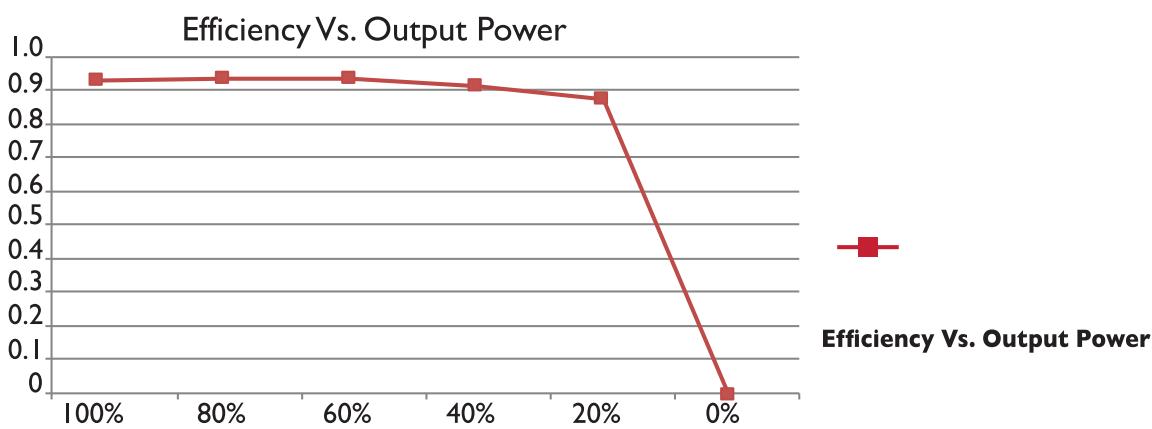
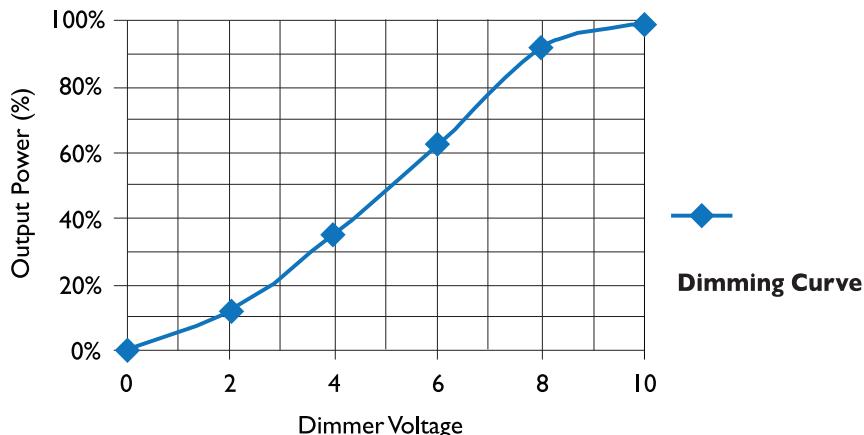


**3401 Avenue D, Arlington, TX 76011**  
**800-375-6355 • aceleds.com**

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: AC40CD1.05AT2US



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