

DIMMING

Constant Current LED Driver

Model Number AC-150CD700GA7 AC-150CD700GBA7

Input Voltage: 347 - 480V +/- 10%

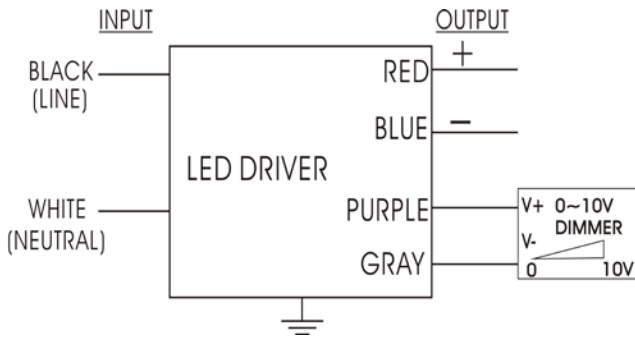
Input Frequency: 50/60Hz
Side and Bottom Mount/Leads

Dim-to-Cool

ELECTRICAL SPECIFICATIONS:

Output Power	Input Current	Input Power	Min PF (full load)	Max THD (full load)	Output Voltage	IP Rating	Output Current	T case Max	Min. Start Temp	Dimming Protocol	Dimming Range	Efficiency Up To
150W	0.48@347V 0.34@480V	165W	>0.9	<20	130-214	66	700mA +/-10%	90°C	-40°C	0 to 10V	10 to 100%	91

WIRING:



Lead Lengths

Black	5.9"	Blue	5.9"	Purple	7.1"
White	5.9"	Red	5.9"	Gray	7.1"

PHYSICAL:



AC-150CD700GA7

AC-150CD700GBA7
Bottom Mount

Dimensions

Length	9.5"
Width	2.4"
Height	1.57"
Mounting Length	8.9"

Dimensions

Length	9.5"
Width	2.4"
Height	1.57"
Mounting Length	N/A

Dimmer Compatability Chart

LEVITON	DS710-10Z
LUTRON	NFTV
LUTRON	DVTV-WH

SAFETY:

- UL and cUL Recognized
- UL Outdoor Type I
- Class A sound rating
- Overload Protection
- Open/Short Circuit Protection

- LED driver has a life expectancy of 50,000 hours at Tcase of $\leq 75^{\circ}\text{C}$
- LED driver has a life expectancy of 100,000 hours at Tcase of $\leq 65^{\circ}\text{C}$
- Warranty: 5 yrs based on max case temp of $< 75^{\circ}\text{C}$; 3 yrs based on max

- case temp of 90°C^*
- Input/Output Isolation
- FCC Title 47 CFR Part 15
- Surge Protection (6 Kv)

INSTALLATION:

- IP 66 Harsh Waterproof
- 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



*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 $< 75^{\circ}\text{C}$; 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.

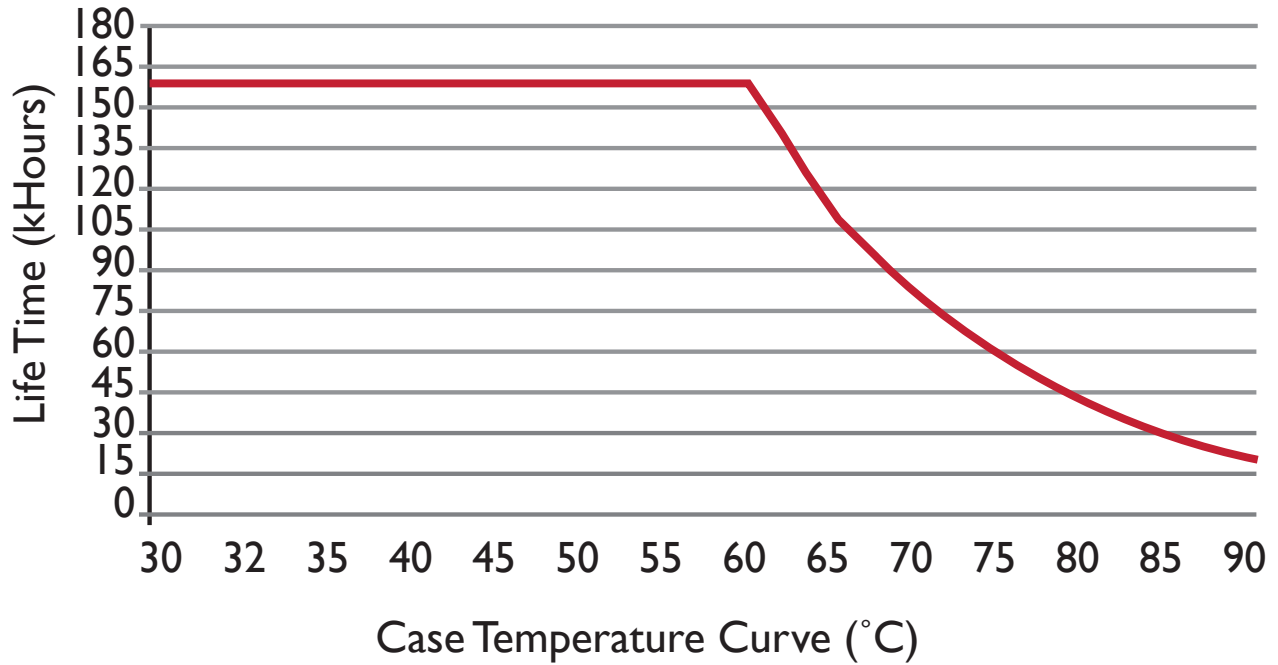
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Data is based upon tests performed by AC Electronics in a controlled environment and representative performance. Actual performance can vary depending on operating conditions. Specifications are subject to change without notice. All specifications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

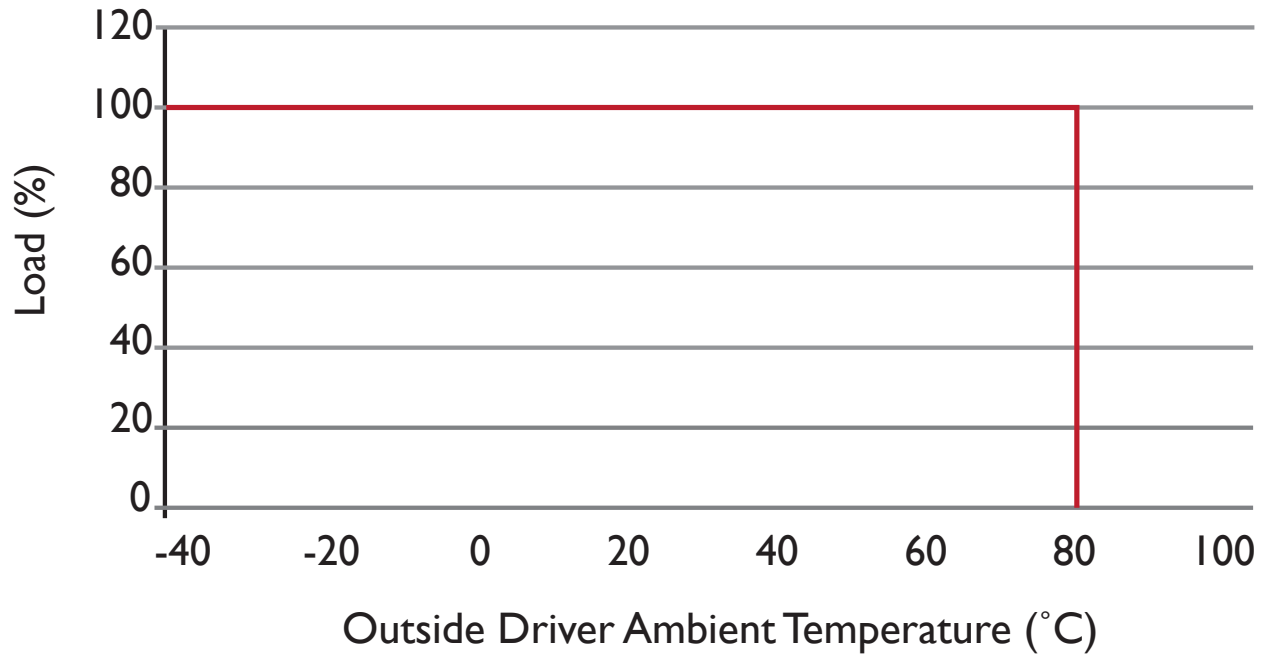


Performance Characteristics

Life Time v.s. Case Temperature Curve



Derating Curve 347V - 480V

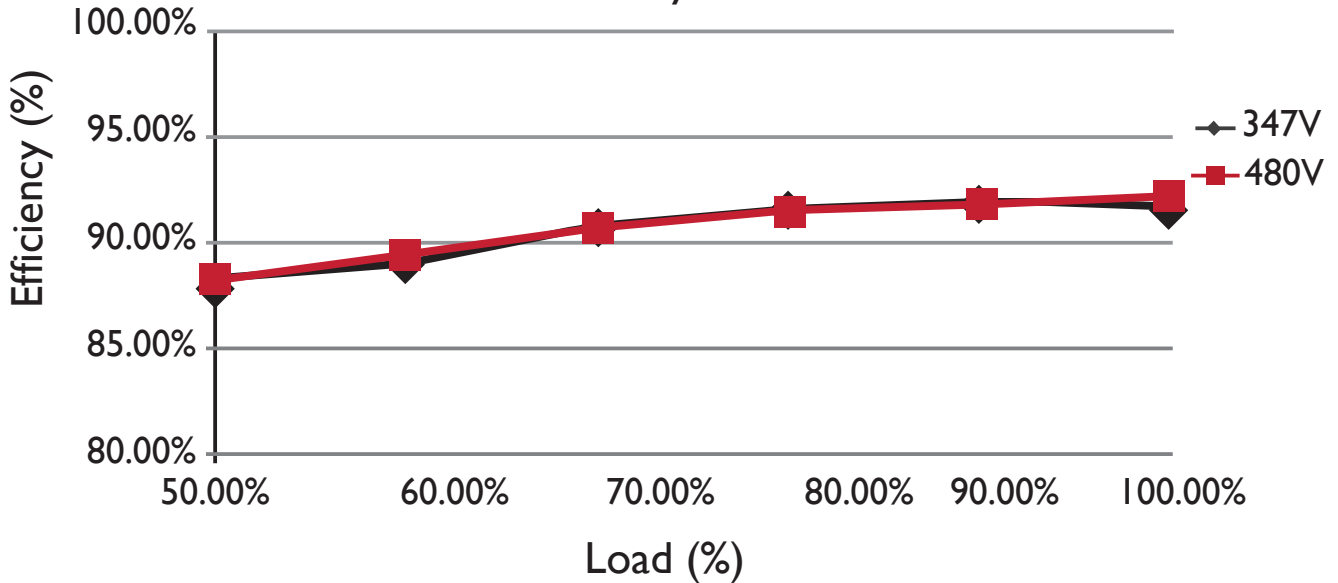


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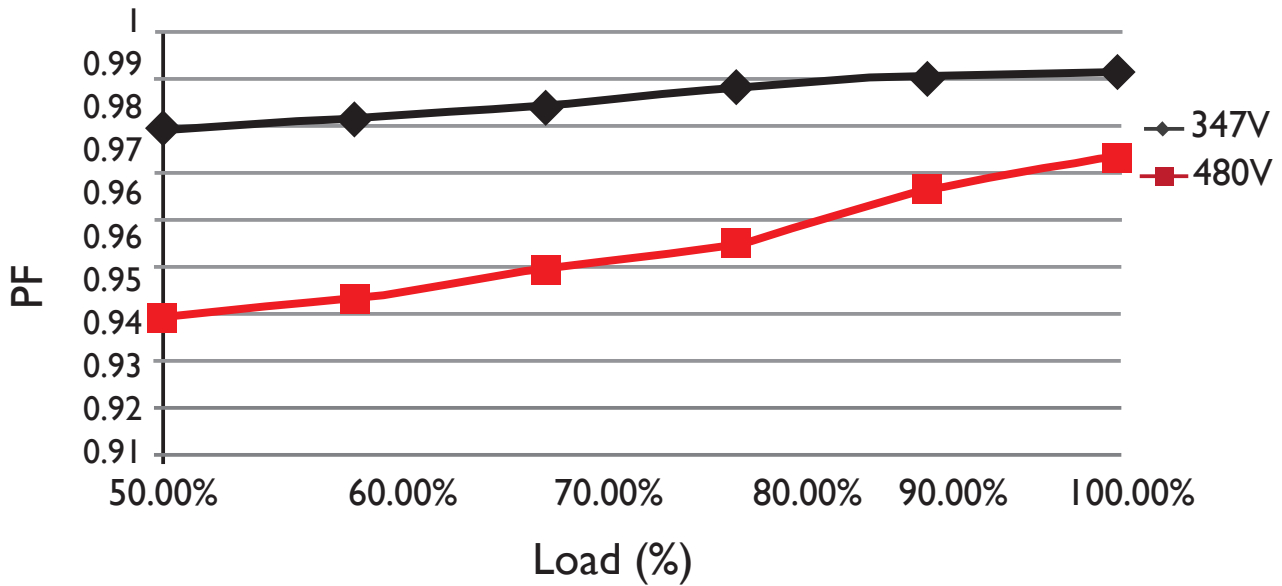
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Performance Characteristics

Efficiency v.s. Load



Power Factor v.s. Load

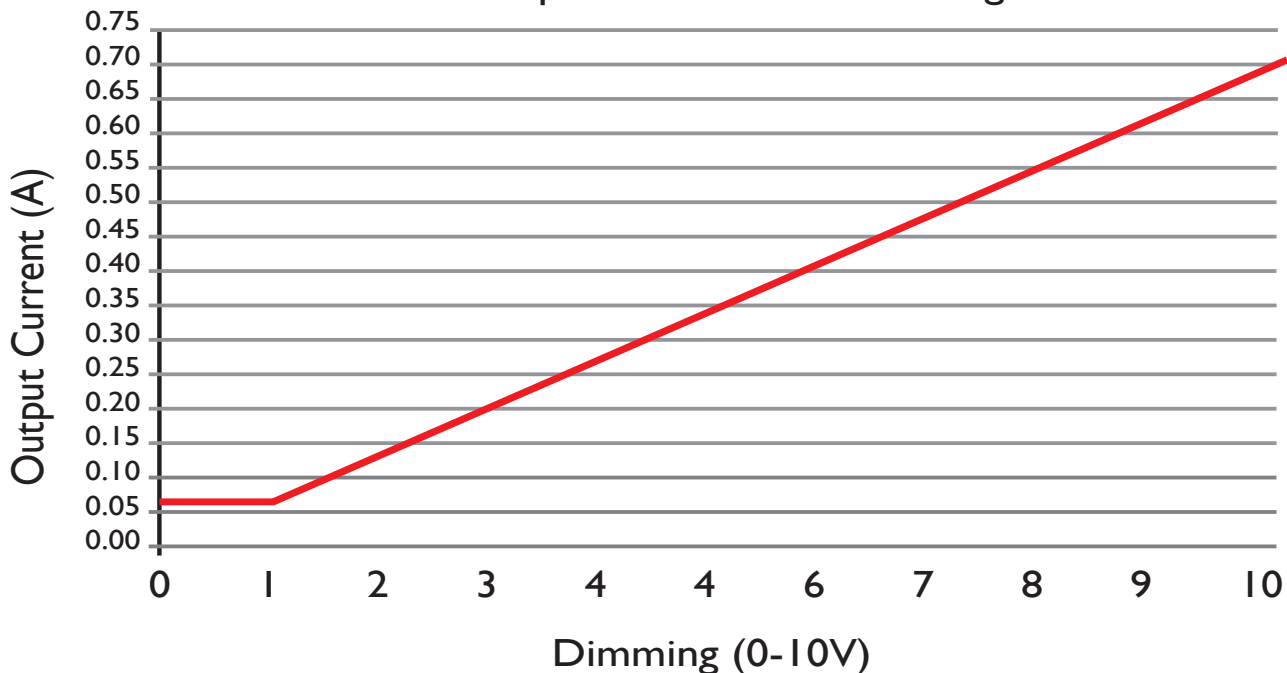


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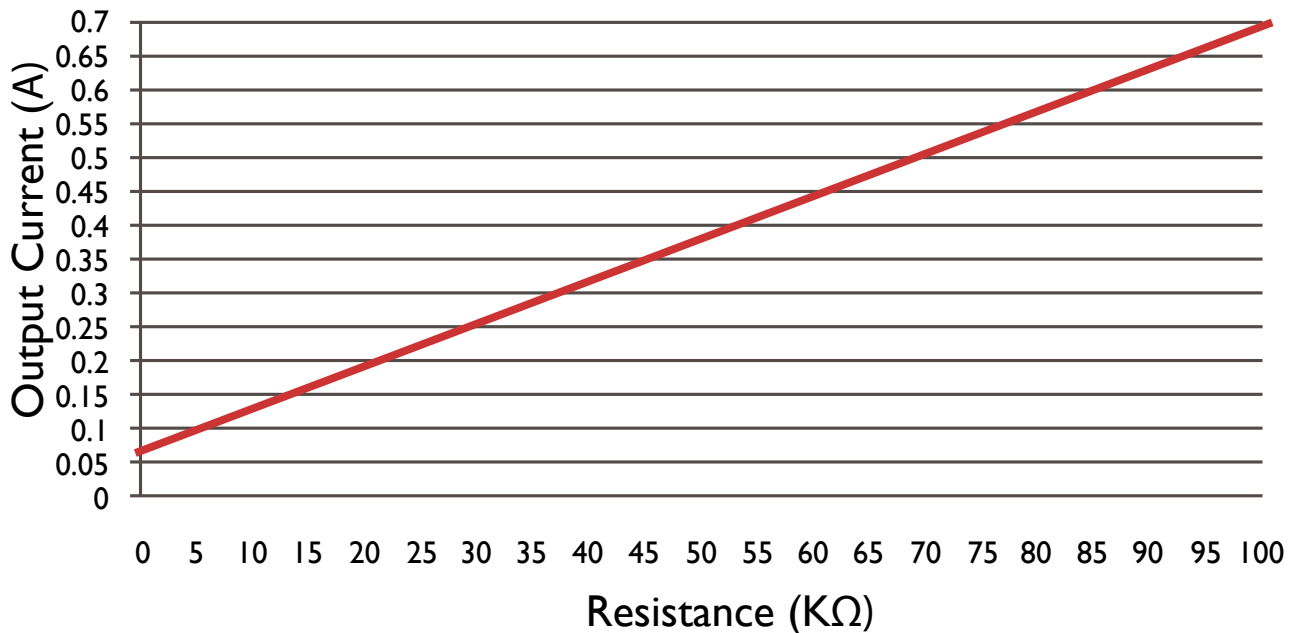
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Performance Characteristics

Output Current v.s. Dimming



Output Current v.s. Resistance



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