

Model Number
AC-54CDI.5BRMA

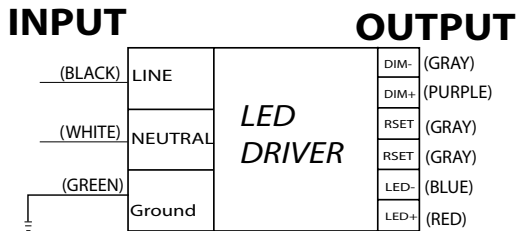
Input Voltage: 347Vac
Input Frequency: 50/60Hz
Side Mount

DIMMING, TYPE
TL RATED

ELECTRICAL SPECIFICATIONS:

Output Power	Input Power	Input Current	Min PF (full load)	Max THD (full load)	Output Voltage	Output Current	T case Max	Minimum Starting Temp	Efficiency Up To	IP Rating	Dimming Protocol	Dimming Range
54W	63W	0.21A @ 347V	>0.9	<20%	28 to 36V	1000 to 1500mA±5%	90° C	-40° C	84%	65	0 to 10V	10 to 100%

WIRING:



PHYSICAL:



RSET TABLE

RSET (Ω)	Iout (mA)	RSET (Ω)	Iout (mA)
>100K	1500	3.9K	728
100K	1500	201K	500
30K	1400		
10K	1070		
8.06K	1000		

Quick Start Feature modified to 0.8 second turn on delay

Dimensions

Length	12.4"
Width	1.3"
Height	1.1"
Mounting Length	11.8"
Hole Diameter	xx"
Weight	xx lbs.
Case Qty.	xx pcs.

Tref Max Value (°C)	Tc/Tref Value (°C)	Ta/Value (°C)
82	66	40

SAFETY:

- UL and cUL,
- 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 ≤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:

- 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°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.

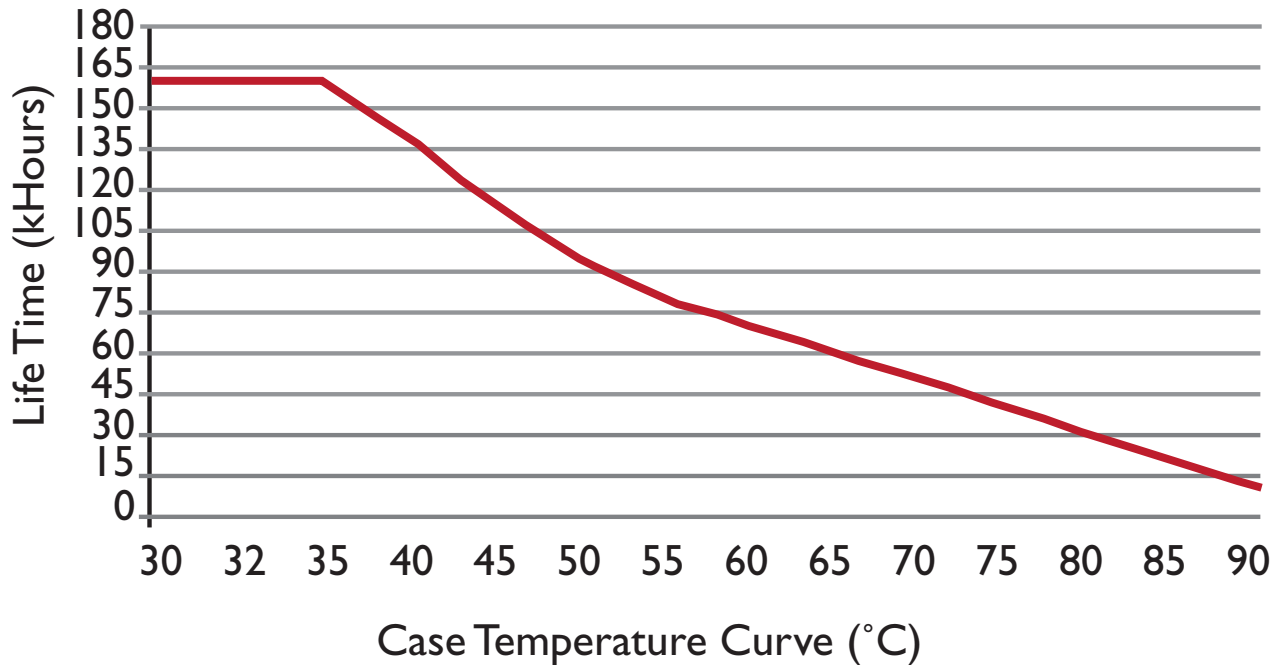
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Data is based upon tests performed by AC Electronics in a controlled environment and representative performance. Actual performance can vary depending on operating conditions. Specifications are subject to change without notice. All specifications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

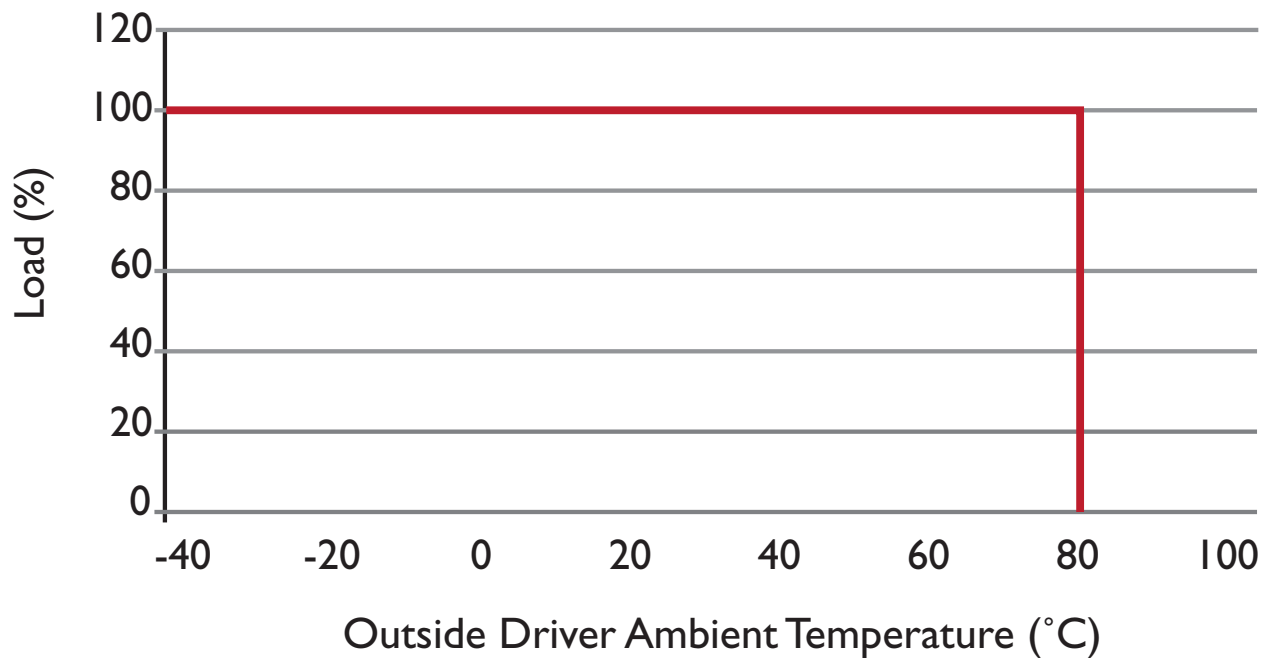


Performance Characteristics

Life Time v.s. Case Temperature Curve



Derating Curve 347Vac

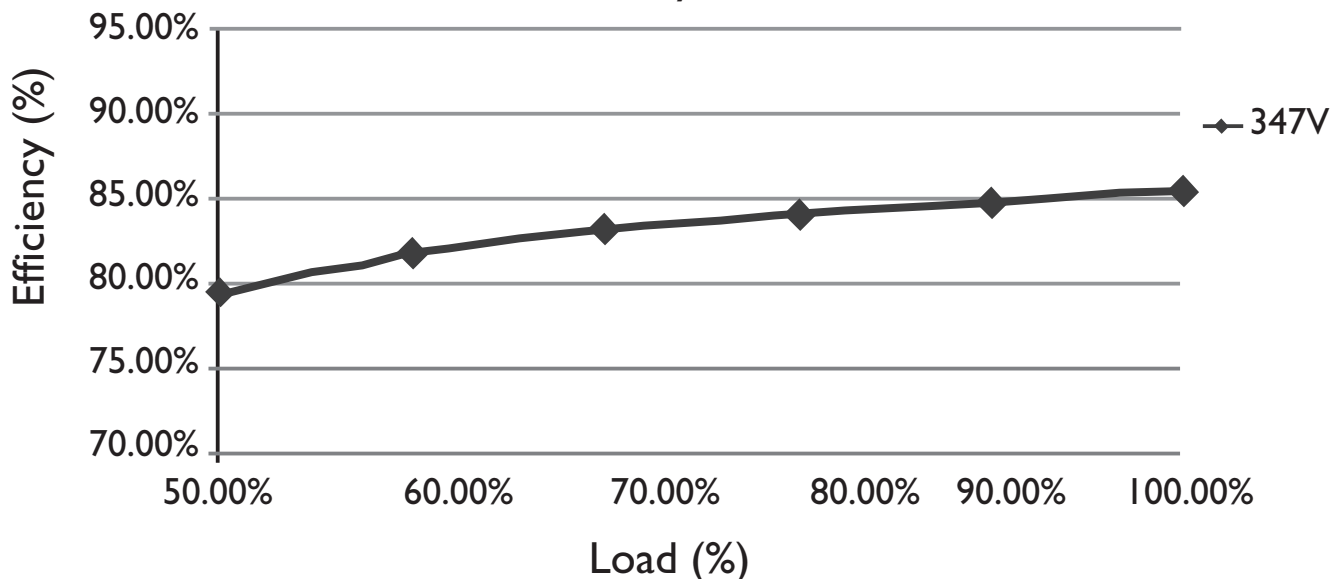


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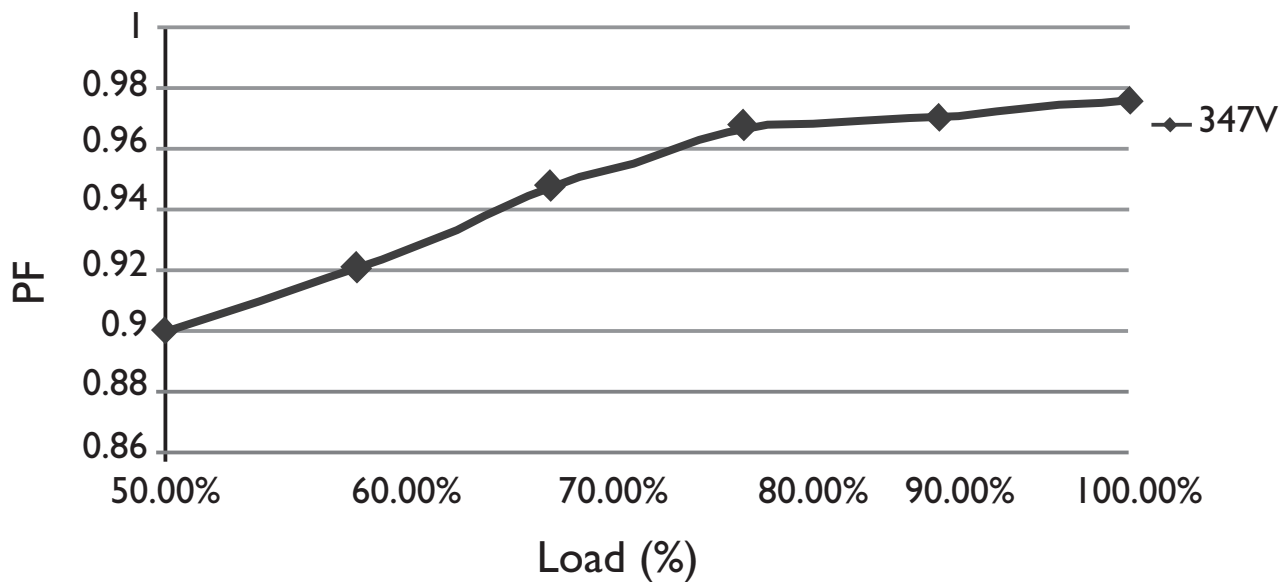
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Performance Characteristics

Efficiency v.s. Load



Power Factor v.s. Load

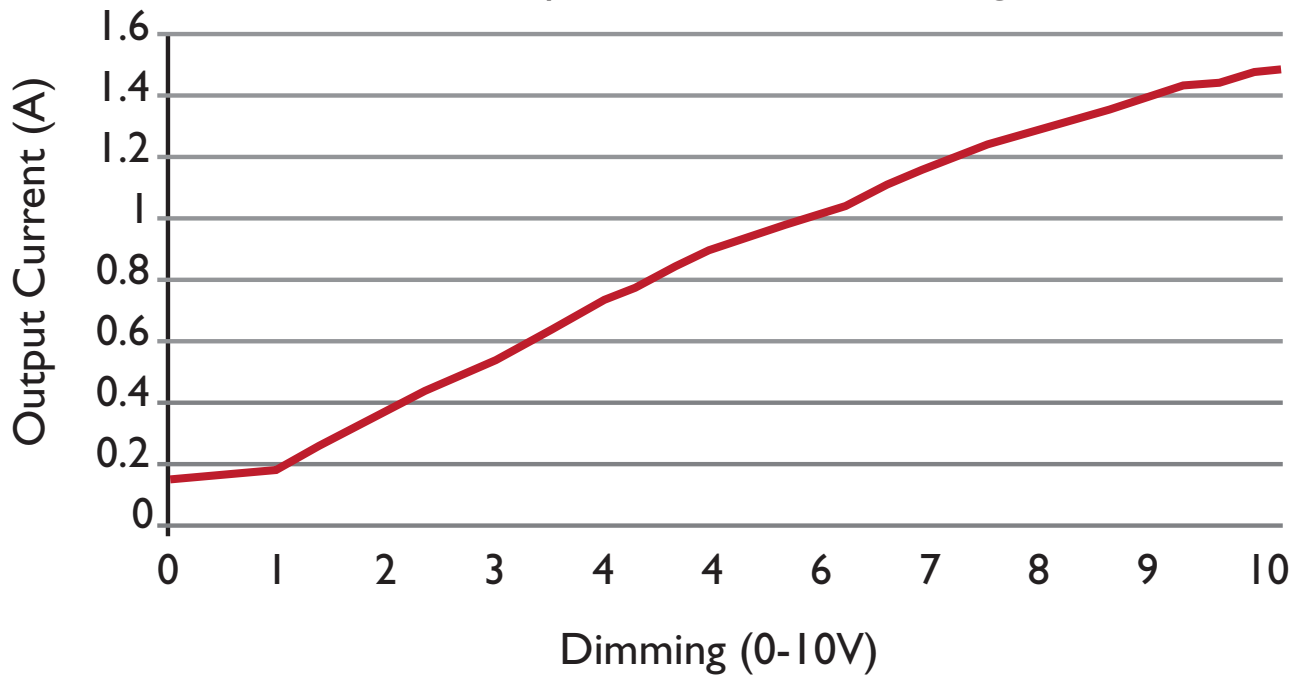


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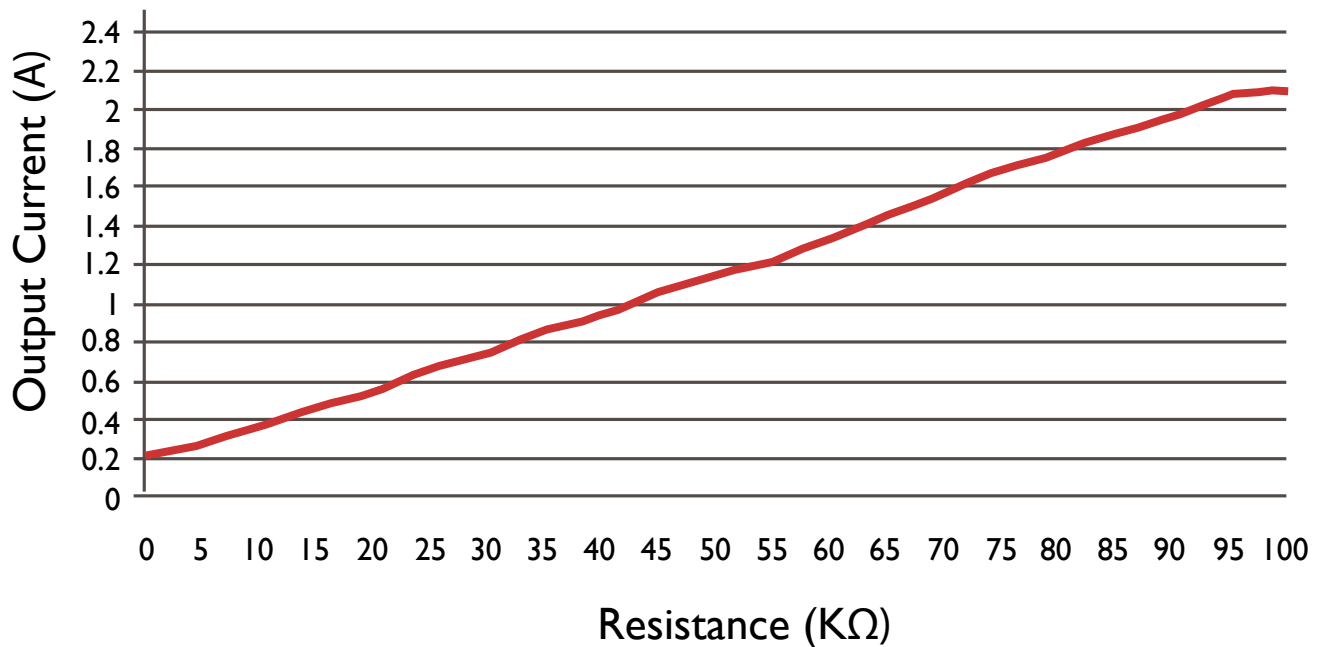
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Performance Characteristics

Output Current v.s. Dimming



Output Current v.s. Resistance



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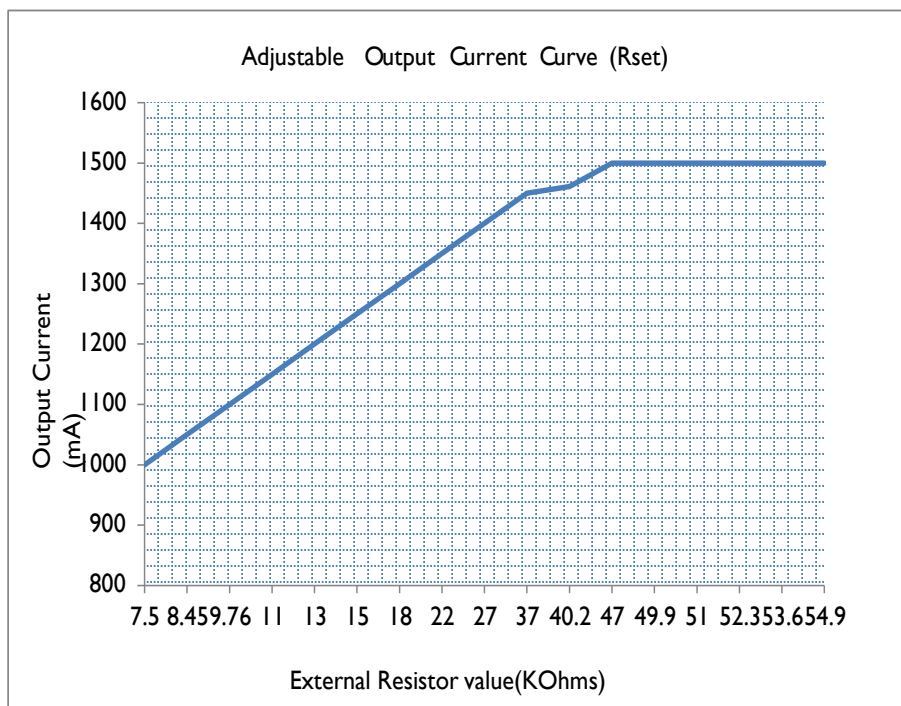
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Performance Characteristics

- Using a resistor between Rset and GND to change the current
- Driver will Default to maximum output current when Rset is left open
- Both output positive and negative connectors are equivalent (same electrical point)

AOC(Adjustable Output Current) Settings

LED Current Tolerance over temperature and component variations for $AOC \leq 10\%$ at any level



Rset(Ohms)	Current (mA)
>47K	1500
47K	1500
40.2K	1461
37K	1450
27K	1400
22K	1350
18K	1300
15K	1250
13K	1200
11K	1150
9.76K	1100
8.45K	1050
7.5K	1000

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