

**PROGRAMMABLE,
DIGITAL, WIDE-RANGE
AJUSTABLE CURRENT & DIMMING**

Input Voltage: 120-277V

Input Frequency: 50/60Hz

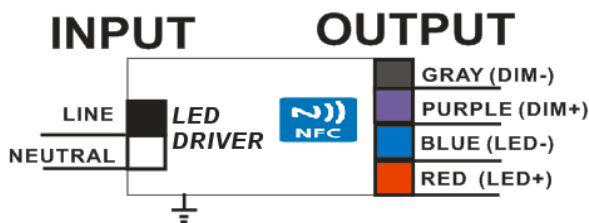
Side Mount/Leads Options

ELECTRICAL SPECIFICATIONS:

Output Power	Input Power	Input Current	Min PF (full load)	Max THD (full load)	Output Voltage	Output Current	T case Max	Min Starting Temp**	IP Rating	Efficiency Up To	Dimming Protocol	Dimming Range
84W	93W	0.94A@120V 0.41A@277V	>0.9	<20	24-40V	1050mA- 2100mA	90°C	-40°C	30	89%	0 to 10V	10 to 100%

**This driver can operate down to -40 °C in a non-dimming condition. Below 0 °C some flicker may be observed.

WIRING:



Lead Lengths

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

PHYSICAL:



Dimensions	Length	Width	Height	Mounting
AC84CD2.1AP3M	9.5"	2.4"	1.46"	8.9"

Tref max Value	Tc/Tref Value	Ta Value
90°C	55.4°C	50°C

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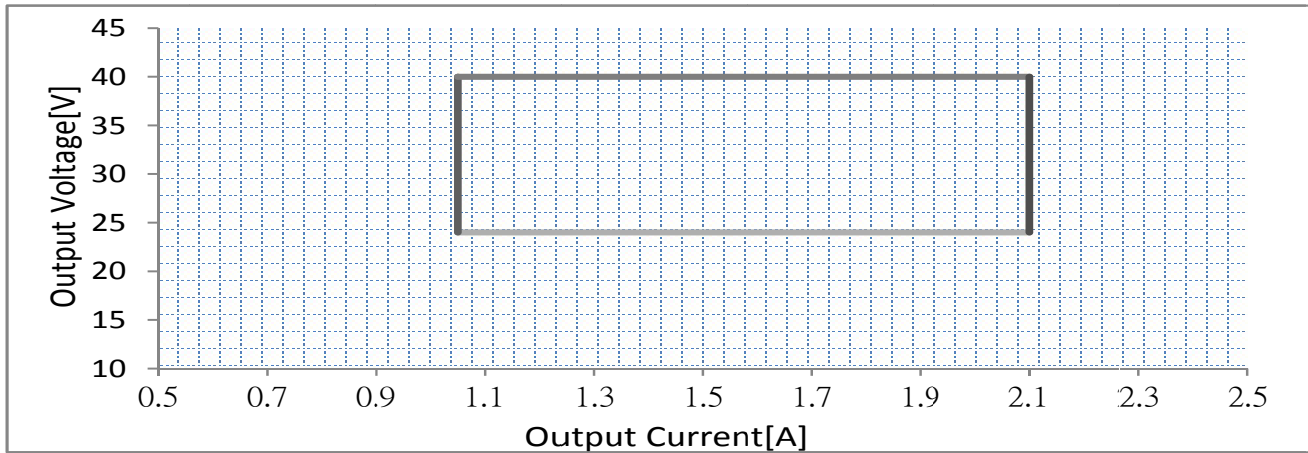
Data is based upon tests performed by AC Electronics in a controlled environment and representative performance. Actual performance can vary depending on operating conditions. Specifications are subject to change without notice. All specifications are nominal unless otherwise noted.



Performance Characteristics

IOUT/VOUT CURVE

Use with NFC-V Reader App Available Free at Google App Store



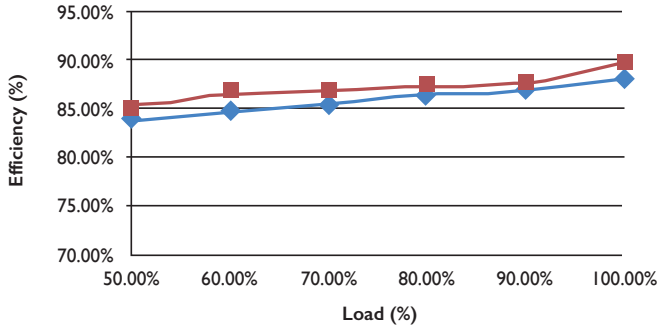
**CONTROL THE IOUT WITH THE
PROGRAMMING WAND. DOWNLOAD
SOFTWARE FROM
<http://www.aceleds.com/programmable.php>**

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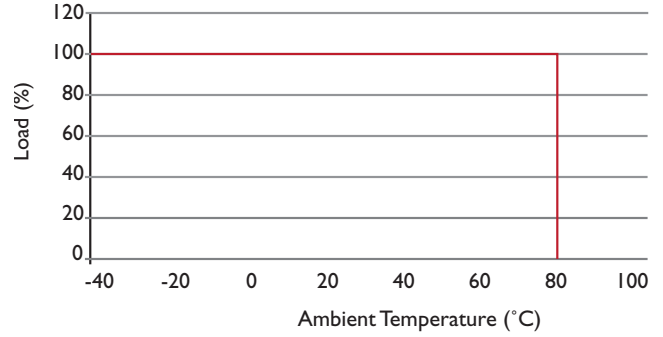
Performance Characteristics

Efficiency vs Load

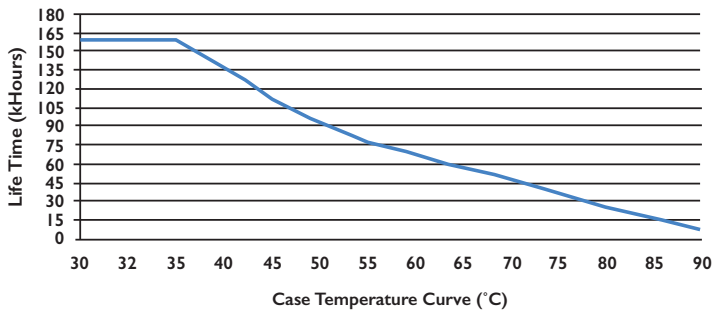


Derating Curve

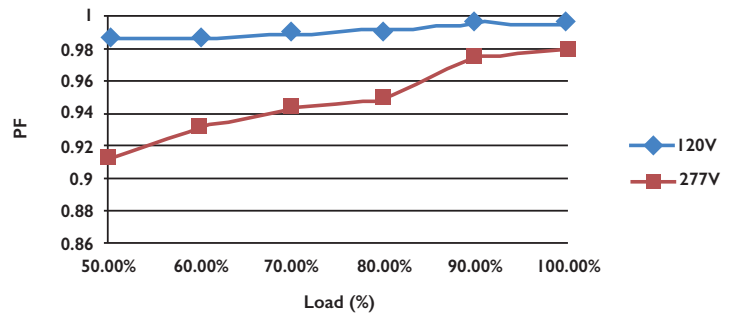
120Vac & 277Vac



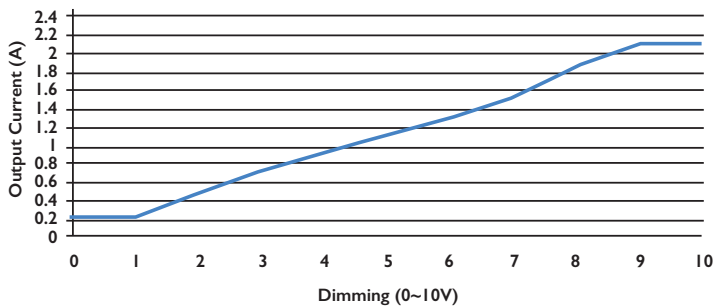
Life Time VS Case Temperature Curve



Power Factor vs Load



Dimming Characteristic



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