

Model Number
AC-50CDI.05UVTS
AC50CDI.05ATBCD
AC50CDI.05UVTTS

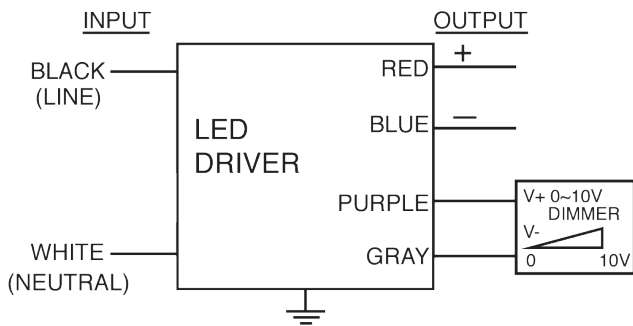
Input Voltage: 120-277V
Input Frequency: 50/60Hz
Side and Bottom Mount/Leads Options

- ✓ **MULTI-CURRENT SWITCHING & DIMMING**
- ✓ **XICATO APPROVED**

ELECTRICAL SPECIFICATIONS:

Output Power Max.	Input Power	Input Current	Minimum 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
50W	60W @ 120V 58W @ 277V	0.5A @ 120V 0.22A @ 277V	>0.90	<20%	33-48V	1050mA±5%	90° C	-40° C	86%	64	0 to 10V	10 to 100%
34W	40W @ 120V 41W @ 277V	0.35A @ 120V 0.15A @ 277V	>0.90	<20%	33-48V	700mA±5%	90° C	-40° C	85%	64	0 to 10V	10 to 100%
24W	28W @ 120V 29W @ 277V	0.25A @ 120V 0.11A @ 277V	>0.90	<20%	33-48V	500mA±5%	90° C	-40° C	84%	64	0 to 10V	10 to 100%

WIRING:



Lead Lengths					
Black	5.9"	Blue	5.9"	Purple	5.9"
White	5.9"	Red	5.9"	Gray	5.9"

Driver Option:

- 12V Output Tap Wire (AC50CDI.05UVTTS) (AC50CDI.05ATECD)
- IP 67 Rating
- 10% dimming, Dim-To-Off and 1%

SAFETY & PERFORMANCE:

- UL US Class 2
- cUL LVLE
- UL Outdoor Type I
- Class A sound rating
- No PCBs
- 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:

- LED drivers shall be installed inside electrical enclosures
- 18 AWG 600V/105C tinned strand copper lead-wires are required for installation
- Max Remote installation distance is 18 ft
- LED driver cases should be grounded



*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.



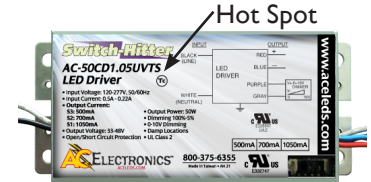
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PHYSICAL:

Side Mount
Model Number:
AC-50CDI.05UVTS

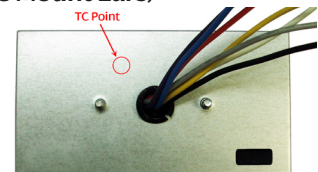


Dimensions

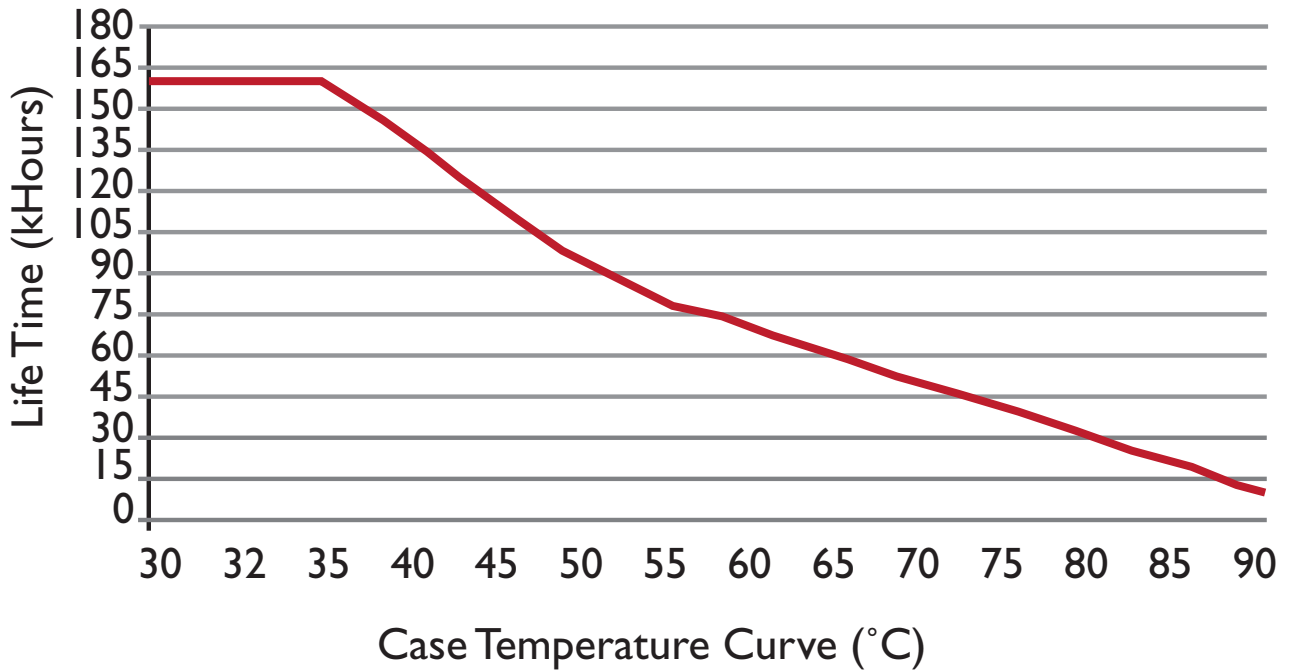
Length	6.50"	Mounting Length	5.90"
Width	2.90"	Weight	0.83 lbs.
Height	1.18"	Case Qty.	40 pcs.

Bottom Mount Option Model Number:
AC50CD1.05ATBCD (No Side Mount Ears)

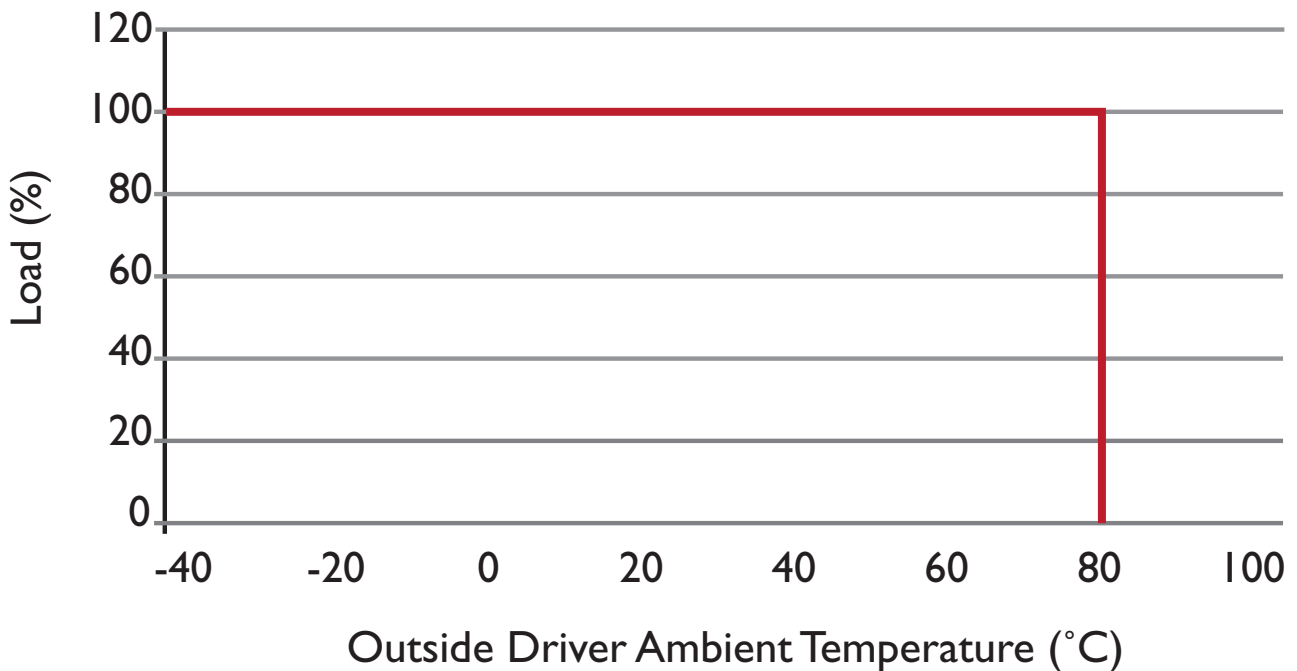
Length	5.31"
Width	2.90"
Height	1.18"
Length to Stud	2.00"



Performance Characteristics
Life Time v.s. Case Temperature Curve



Derating Curve **120Vac & 277Vac**

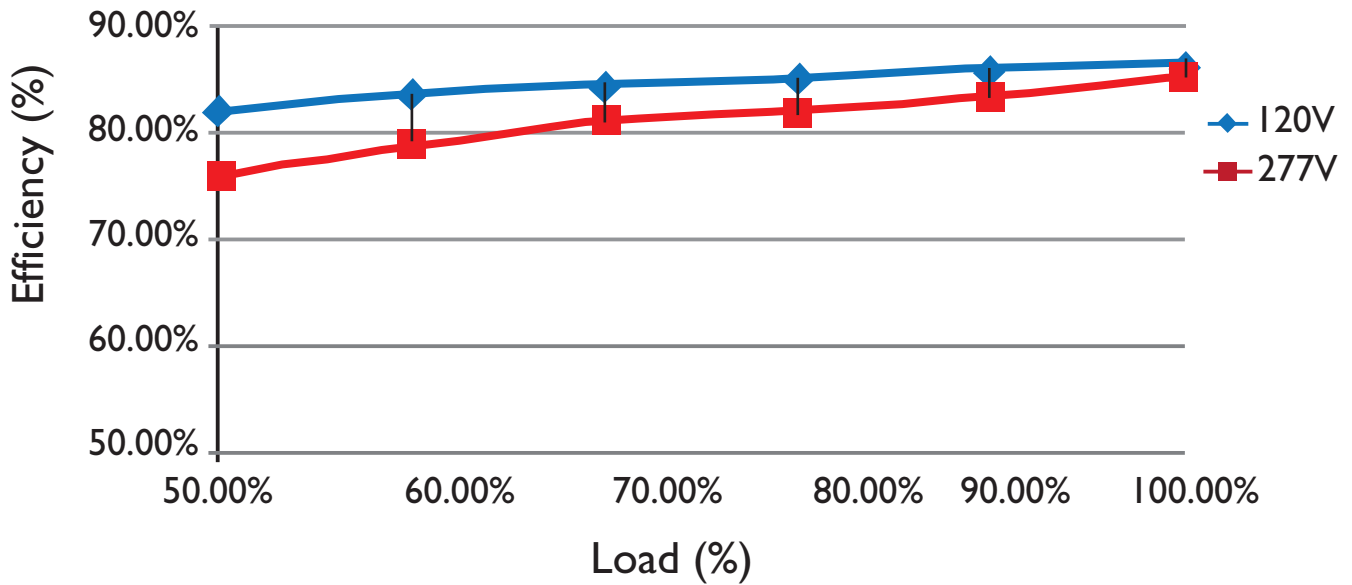


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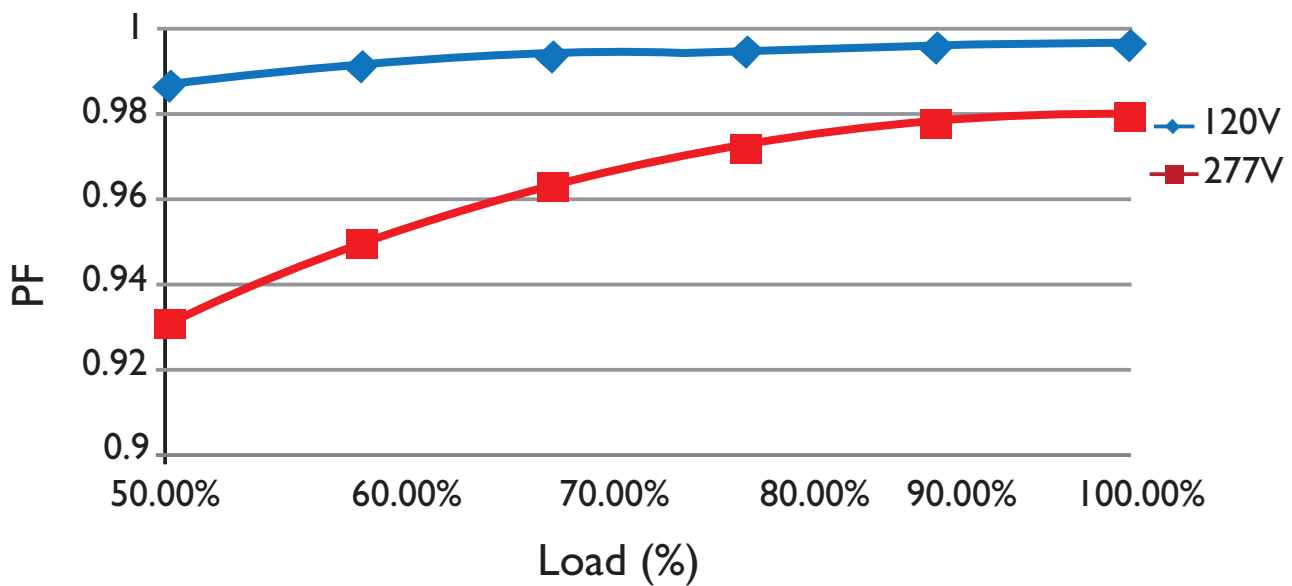
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Performance Characteristics

Efficiency v.s. Load



Power Factor v.s. Load

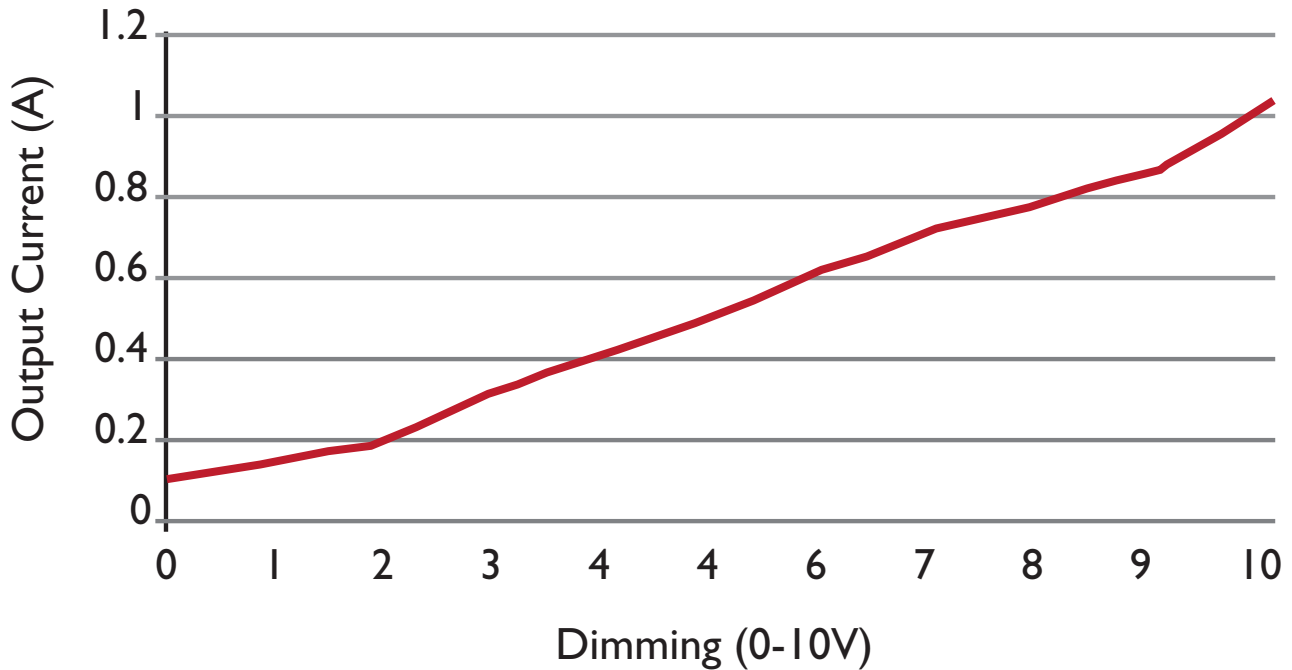


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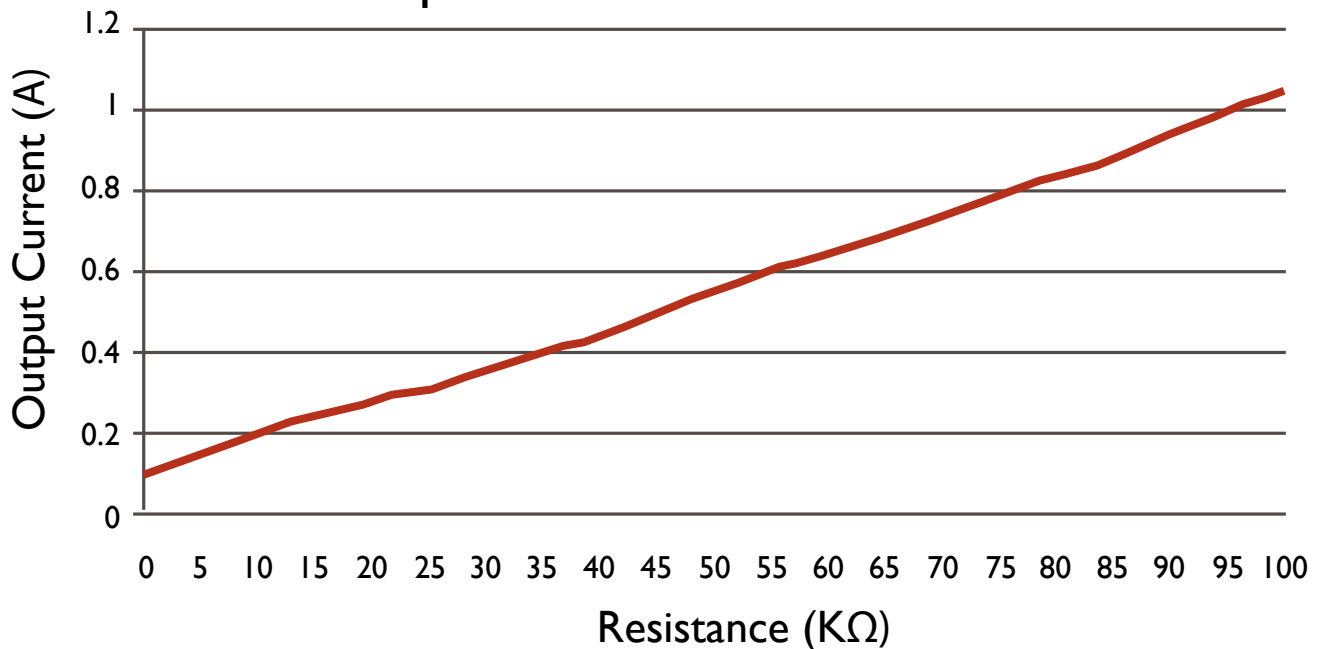
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Performance Characteristics

Output Current v.s. Dimming



Output Current v.s. Resistance



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