

Constant Current LED Driver

**Model Number**  
**AC-25CDI.25APME**  
**AC25CDI.25APBME**  
**AC-25CDI.25APMV**

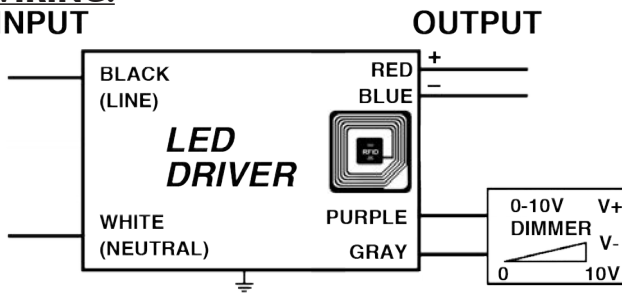
**PROGRAMMABLE,  
DIGITAL, WIDE-RANGE  
AJUSTABLE CURRENT & DIMMING  
TYPE TL RATED**

Input Voltage: 120-277V  
Input Frequency: 50/60Hz  
Side and Bottom Mount/Leads Options  
< 1 Sec. Start time/(Starting with batch code AKT.48)

**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	Efficiency Up To	Dimming Protocol	Dimming Range
8 to 25W	31W	0.27A @ 120V, 0.11A @ 277V	>0.95	<20%	15 to 55V	350 to 1250mA	90°C	-40°C	82%	0 to 10V	1 to 100%

**WIRING:  
INPUT**



**PHYSICAL:**



Bottom Mount  
Model No:  
AC25CDI.25APBME



ONLY AC-25CDI.25APMV - Sensor Area on the bottom with NFC sensor label

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

Dimensions	Length	Width	Height	Mounting
AC-25CDI.25APME	5.23"	2.48"	1.18"	4.84"
AC-25CDI.25APMV	6.22"	1.73"	1.22"	5.86"
AC25CDI.25APBME	4.56"	2.48"	1.18"	

**SAFETY:**

- 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)



Tref Max Value (°C)	Tc/Tref Value (°C)	Ta/Value (°C)
90	58.2	40

The LED Driver Type TL Program is intended to assist you in gaining greater market access for your LED drivers. This service is also intended to assist end-product LED Luminaire manufacturers improve their speed-to-market by making it easy to source a compliant LED Driver.

**INSTALLATION:**

- IP 66 Harsh Weatherproof
- Max Remote installation distance is 18 ft
- LED driver cases should be grounded
- LED drivers shall be installed inside electrical enclosures
- 18 AWG 600V/I05C 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](http://aceleds.com) for complete warranty policy.



**Performance Characteristics**

**Phone Instructions**

First you must have a Android device (phone/tablet) with NFC-V app downloaded.

Open App; then place the device on top of the driver matching up sensors until it syncs up

Basic format

Write

Insert the appropriate code from chart above

Write

Successfully written will appear

To Check: Read

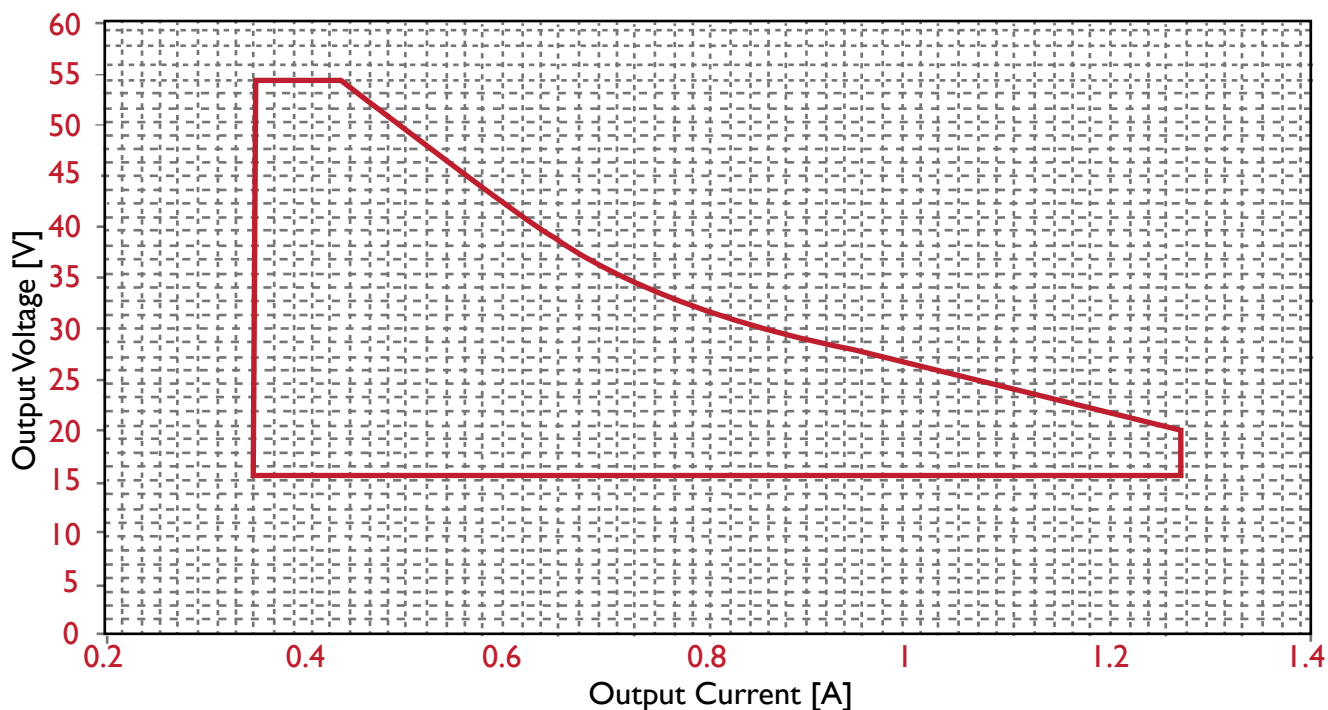
Read

Shows you the Block - 00 00 00 00

This is where the code you input appears

**IOUT/VOUT CURVE**

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

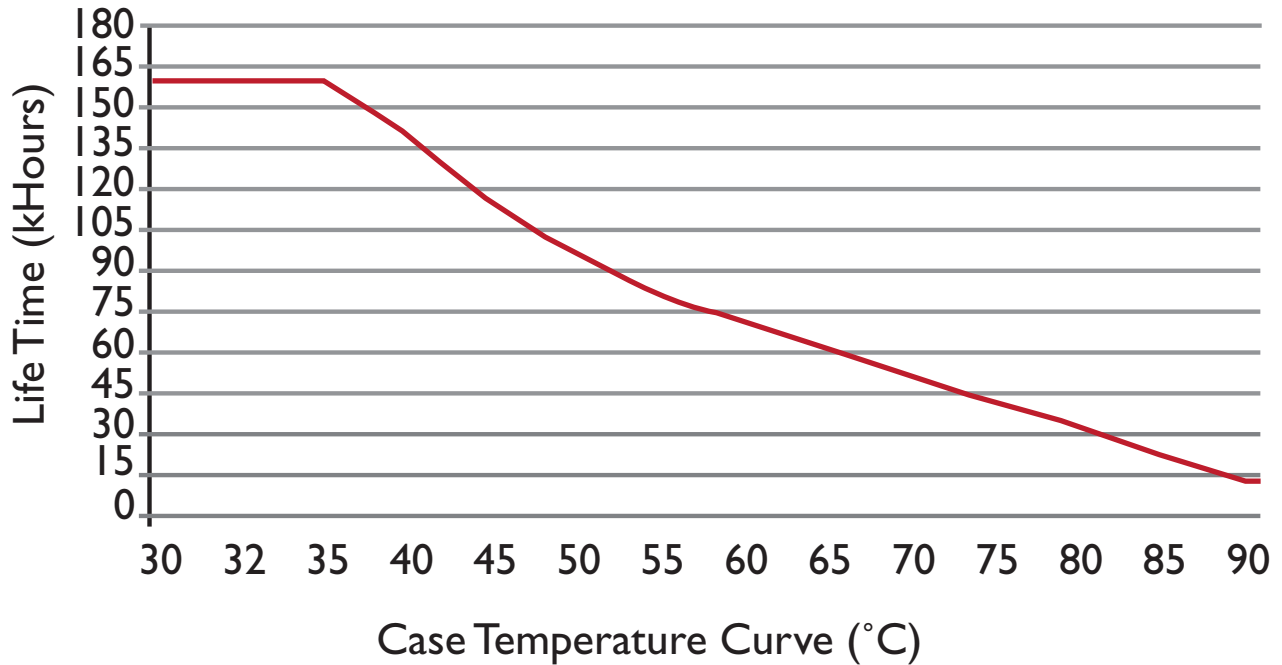


**CONTROL THE IOUT WITH THE PROGRAMMING WAND. DOWNLOAD SOFTWARE FROM <http://www.aceleds.com/products-programmable.php>**



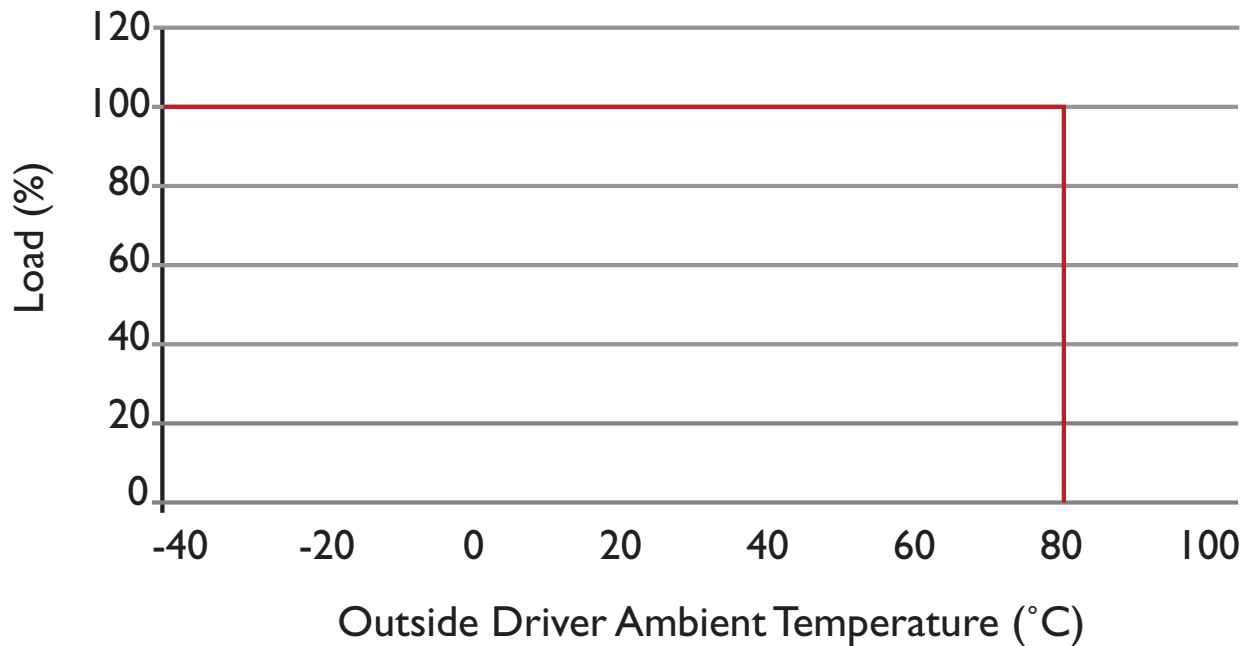
**Performance Characteristics**

**Life Time v.s. Case Temperature Curve**



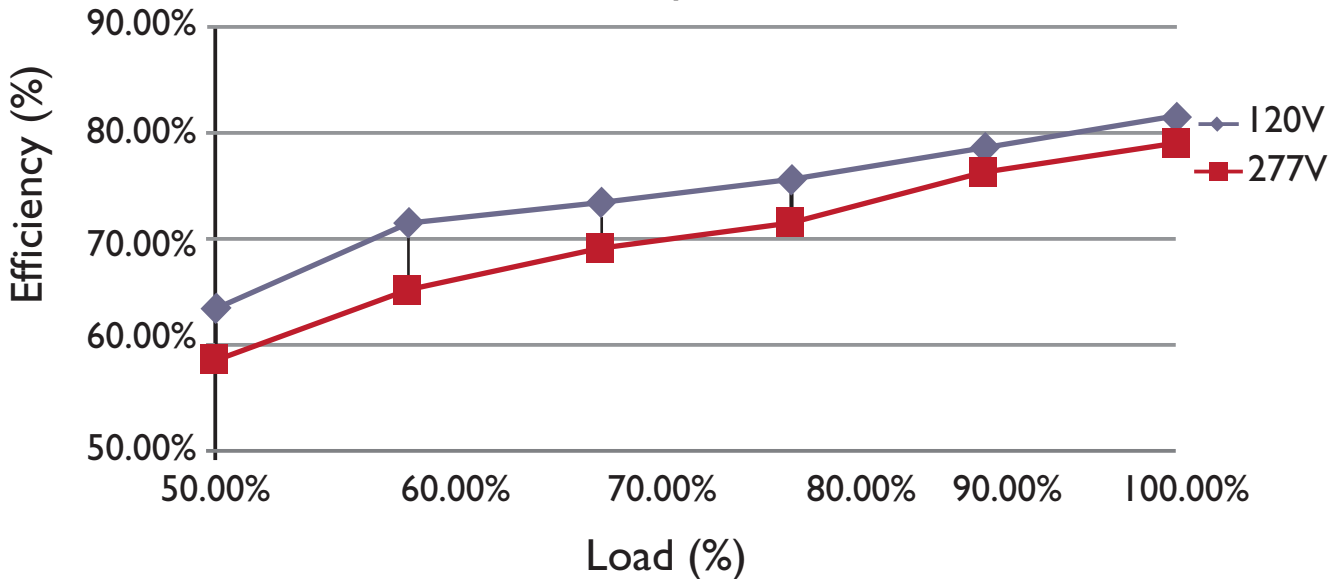
**Derating Curve**

120Vac & 277Vac

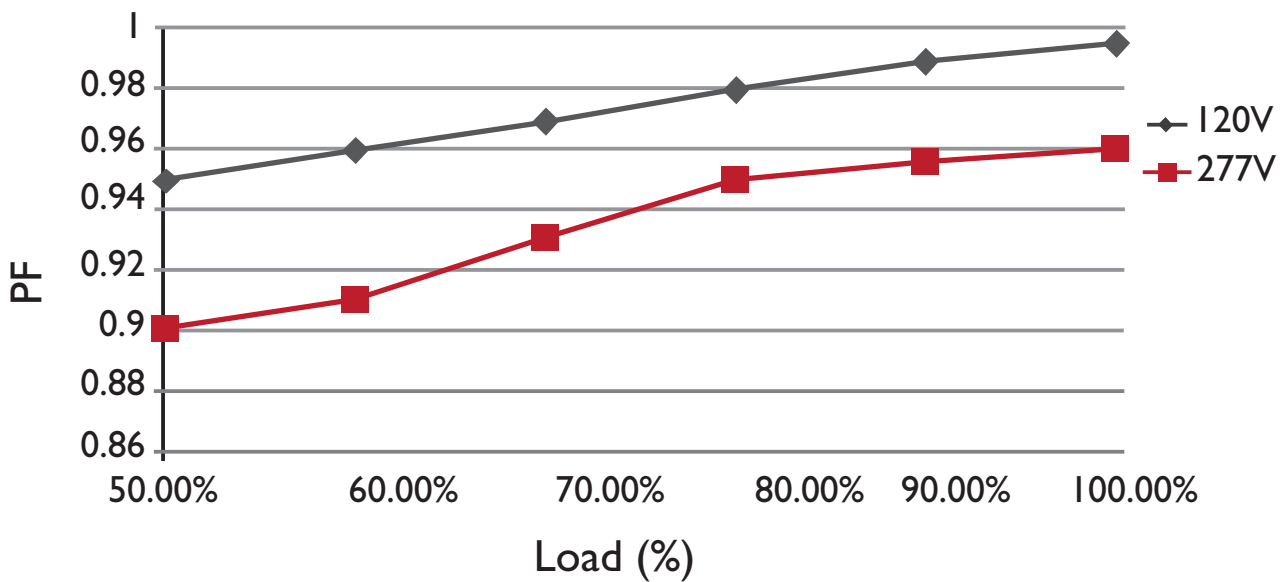


**Performance Characteristics**

**Efficiency v.s. Load**

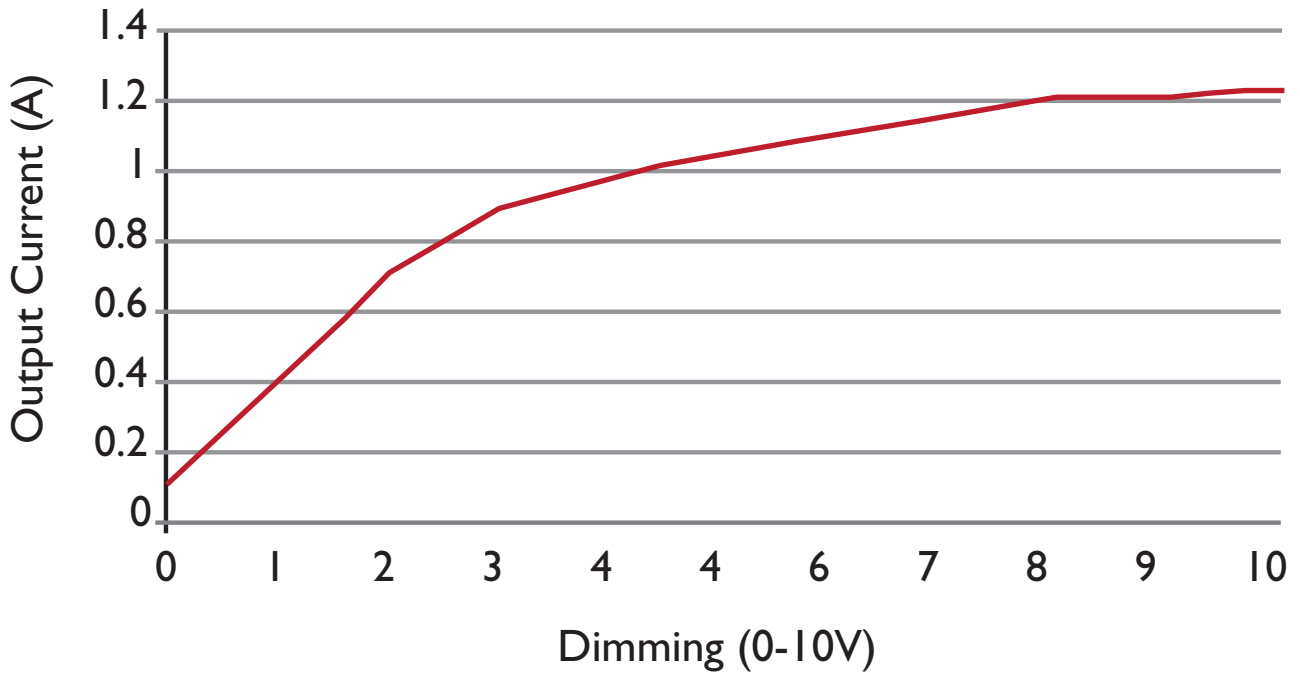


**Power Factor v.s. Load**



**Performance Characteristics**

**Output Current v.s. Dimming**



**Output Current v.s. Resistance**

