

Constant Current LED Driver

Model Number
AC-40CDI.4BPKV
AC-40CDI.4BPMZ
AC-40CDI.4BPBKV
AC-40CDI.4BPBMZ

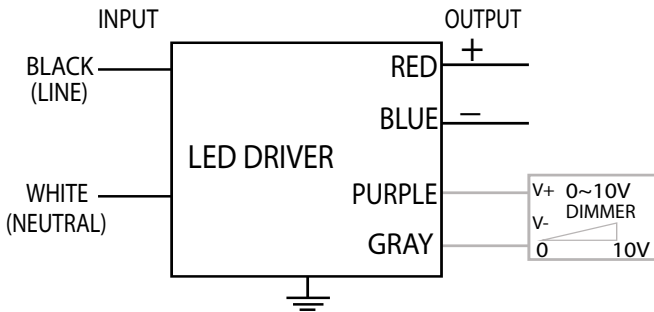
**PROGRAMMABLE,
 DIGITAL, WIDE-RANGE
 AJUSTABLE CURRENT & DIMMING
 TYPE TL RATED**

Input Voltage: 347V
 Input Frequency: 50/60Hz
 Side & Bottom Mount/Leads Options
 < 1 Sec. Start time/(Starting with batch code AKT.48)

ELECTRICAL SPECIFICATIONS:

Output Power Max	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
10-40W	47W	0.143@347V	>95	<20	15-55V	0.4A - 1.4A	90°C	-40°C	85%	0 to 10V	10 to 100%

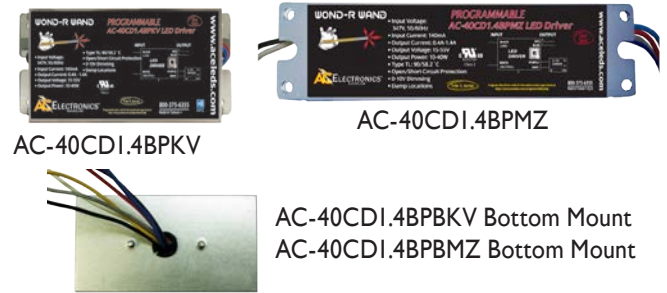
WIRING:



Lead Lengths

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

PHYSICAL:



Model	Length	Width	Height	Mounting
AC-40CDI.4BPKV	5.23"	2.48"	1.18"	4.84"
AC-40CDI.4BPMZ	6.22"	1.73"	1.22"	5.86"
AC-40CDI.4BPBKV	4.56"	2.48"	1.18"	xxxx
AC-40CDI.4BPBMZ	6.22"	1.73"	1.22"	5.86"

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 (2 KV)

Tref Max Value (°C)	Tc/Tref Value (°C)	Ta Value (°C)
90	48.5	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 for complete warranty policy.



Phone Instructions

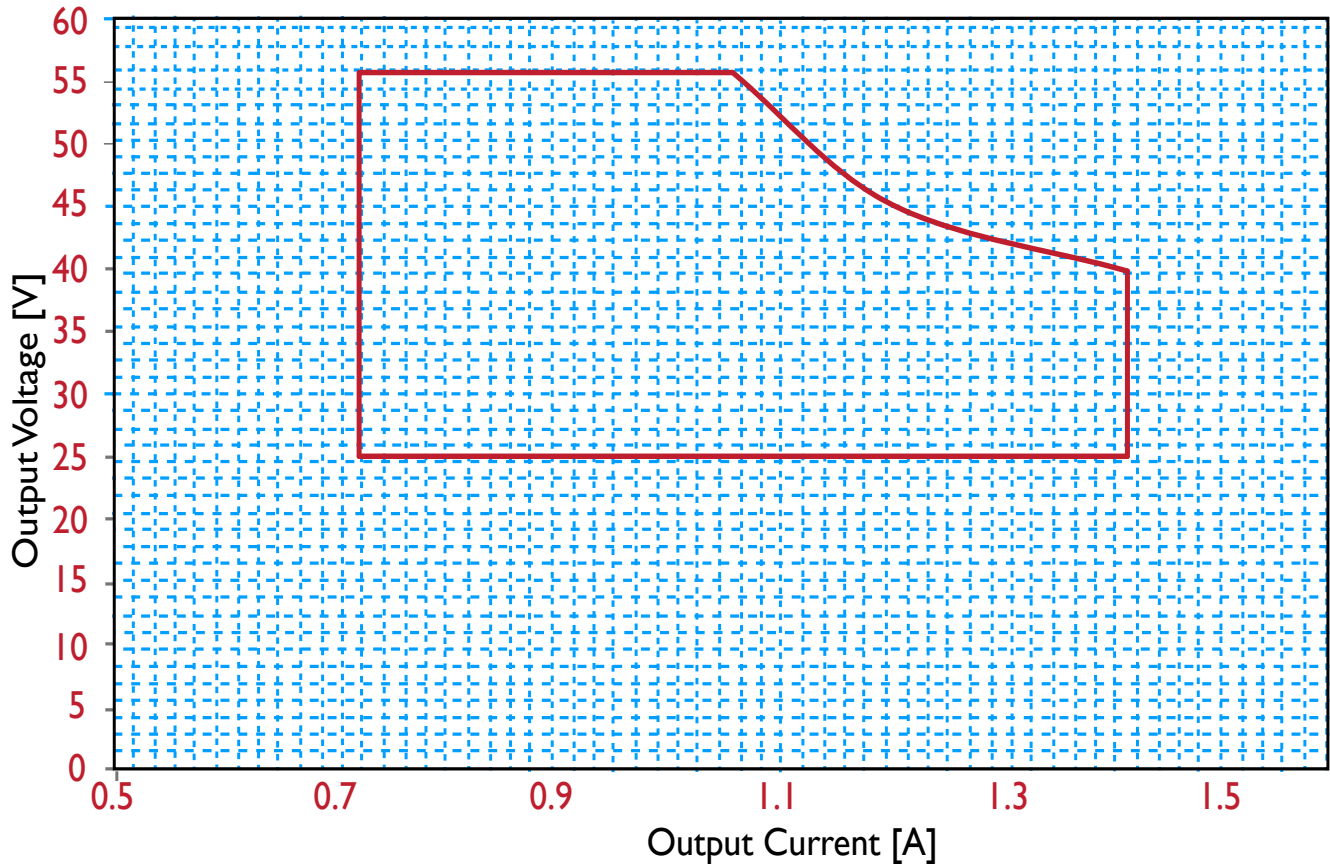
First you must have a Android device (phone/tablet) with NFC-V app downloaded.
Open App; then place the device on top of the driver matching up sensors until it syncs up
Basic format
Write
Insert the appropriate code from chart above
Write
Successfully written will appear



To Check: Read
Read
Shows you the Block - 00 00 00 00
This is where the code you input appears

IOUT/VOUT CURVE

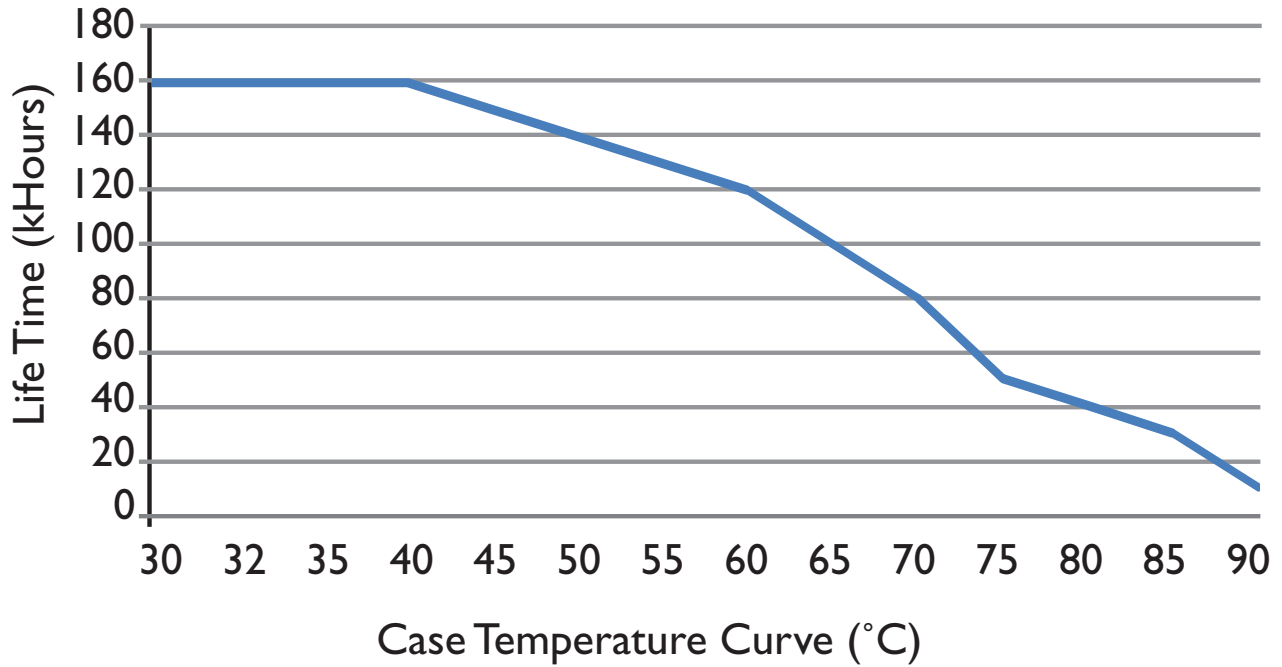
Use with NFC-V Reader App Available Free at Google App Store



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

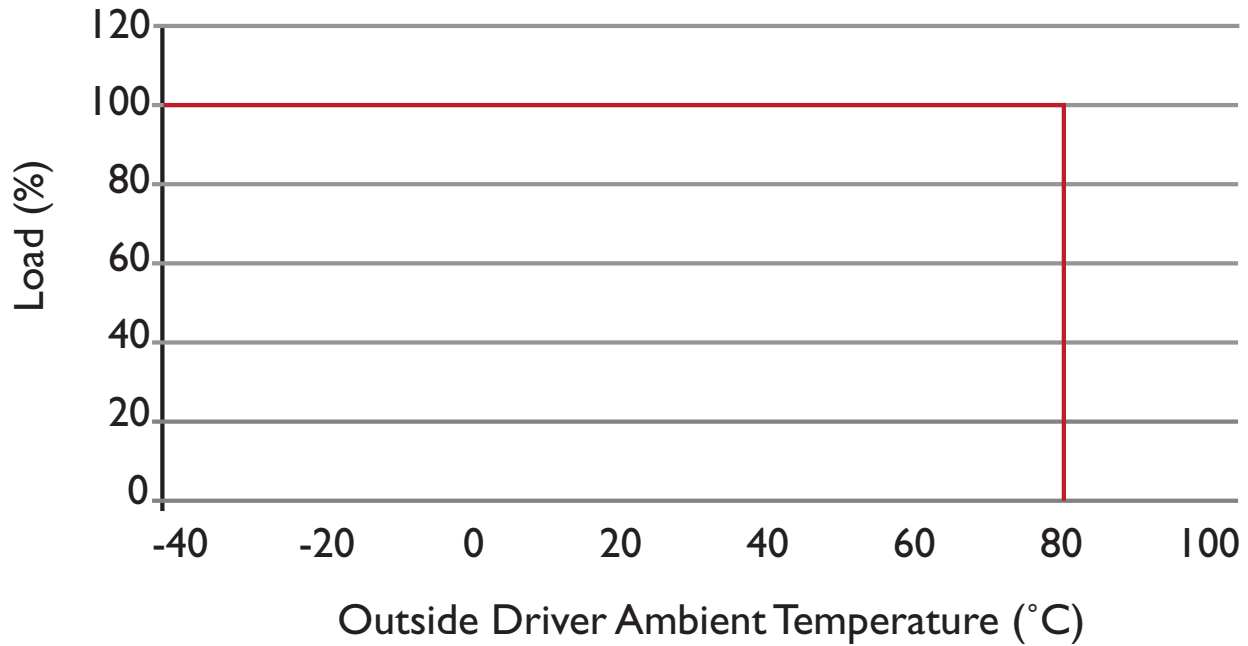
Performance Characteristics

Life Time v.s. Case Temperature Curve



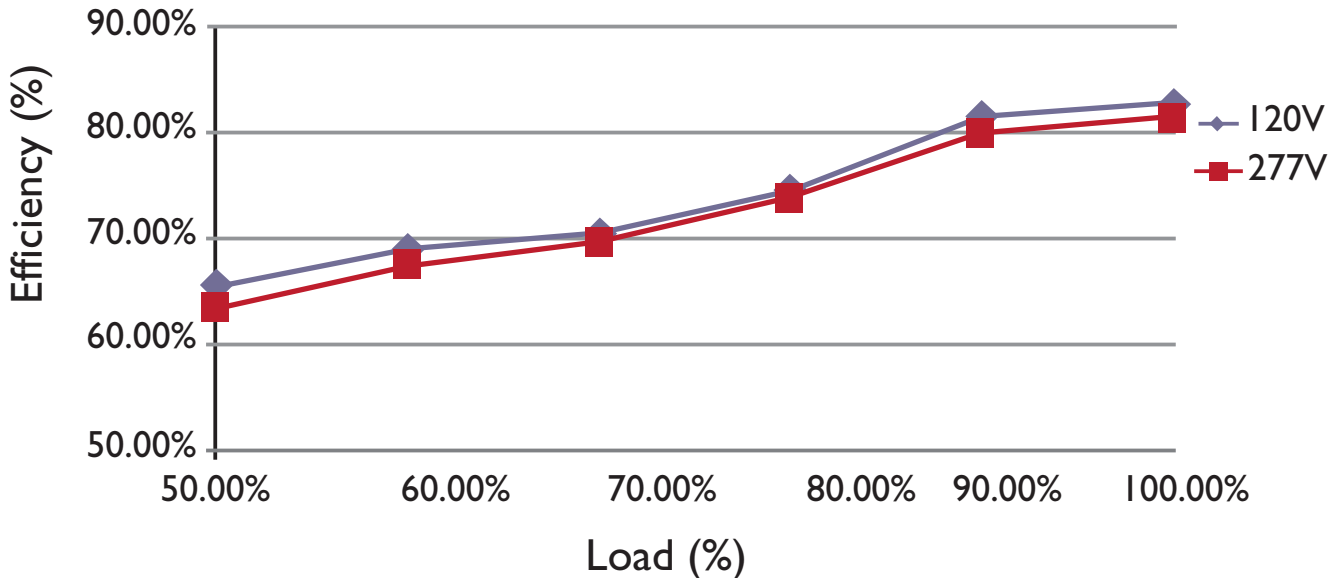
Derating Curve

120Vac & 277Vac

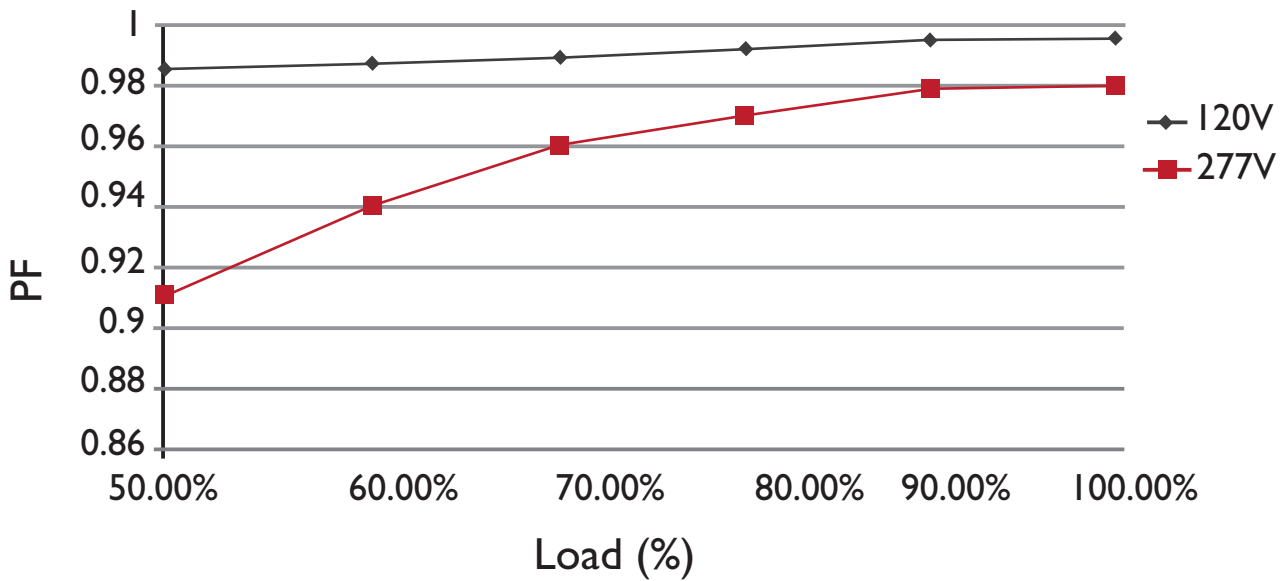


Performance Characteristics

Efficiency v.s. Load

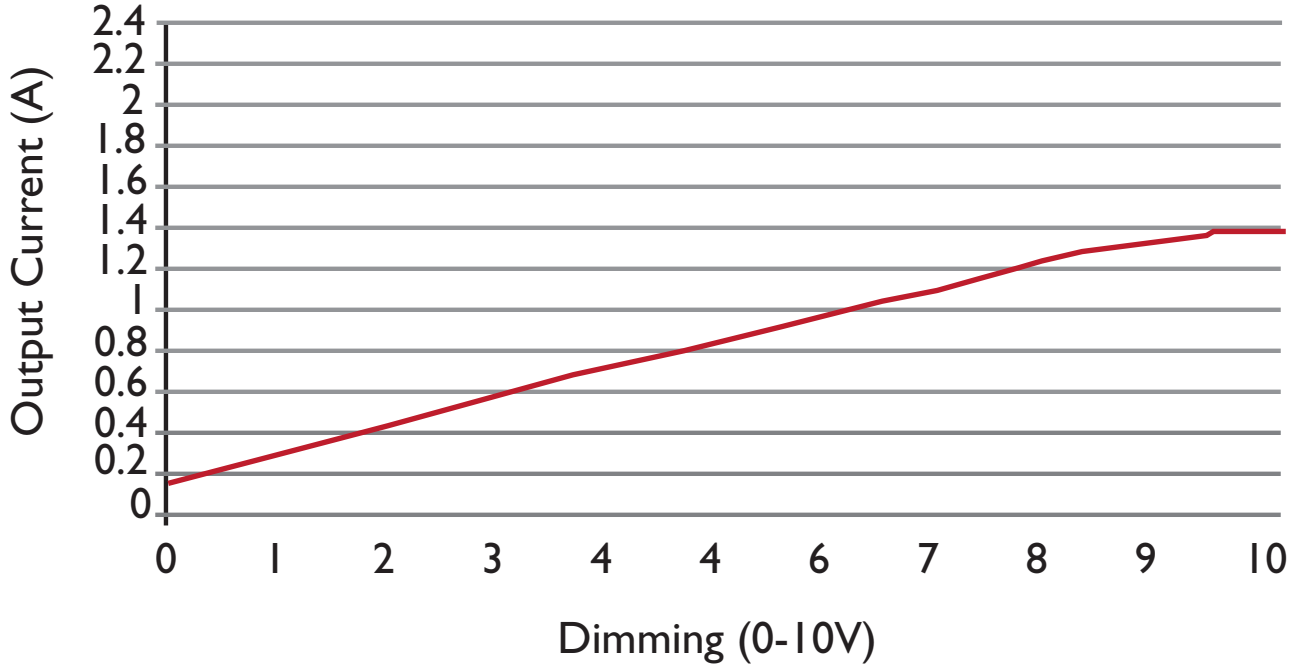


Power Factor v.s. Load



Performance Characteristics

Output Current v.s. Dimming



Output Current v.s. Resistance

