AC ELECTRONICS™
ACELEDS.COM

Constant Current LED Driver

Model Number
AC-40CD1.4APKV
AC-40CD1.4APBKV
AC-40CD1.4APMZ
AC-40CD1.4APSC

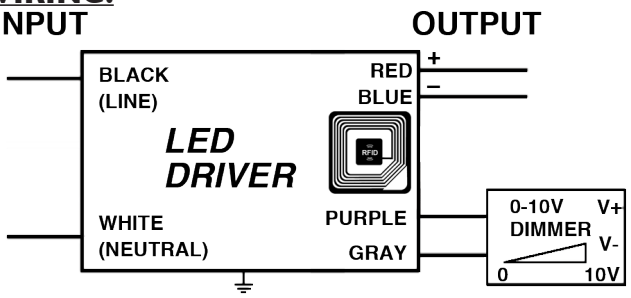
PROGRAMMABLE, DIGITAL, WIDE-RANGE ADJUSTABLE CURRENT & DIMMING TYPE TL RATED

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

ELECTRICAL SPECIFICATIONS:

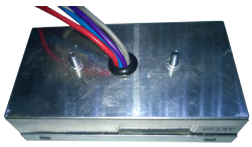
Output Power	Input Power	Input Current	Min PF (full load)	Max THD (full load)	Output Voltage	Output Current	T case Max	Min. Starting Temp	Efficiency Up To	Dimming Protocol	Dimming Range	IP Rating
10 to 40W	47W	0.4A @ 120V, 0.18A @ 277V	>0.90	<20%	15 to 55V	400 to 1400mA	90°C	-40°C	85%	0 to 10V	10 to 100%	66

WIRING:

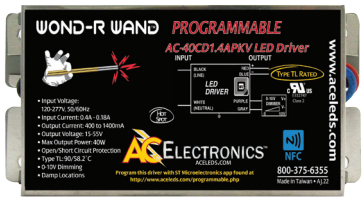


Lead Lengths					
Black	5.9"	Blue	5.9"	Purple	5.9"
White	5.9"	Red	5.9"	Gray	5.9"

PHYSICAL:



Bottom Mount
Model No:
AC-40CD1.4APBKV



ONLY - AC-40CD1.4APMZ Sensor Area is on the bottom with a NFC Sensor Label

Dimensions	Length	Width	Height	Mounting
AC-40CD1.4APKV	5.23"	2.48"	1.18"	4.84"
AC-40CD1.4APBKV	4.56"	2.48"	1.18"	
AC-40CD1.4APMZ	6.22"	1.73"	1.22"	5.86"
AC-40CD1.4APSC	12.8"	1.34"	1.06"	12.5"

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

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 (2 KV)

c UL us
E328847
Class 2

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/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.

3401 Avenue D, Arlington, TX 76011 • 800-375-6355 • www.aceleds.com

IP66 HARSH

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.

RoHS COMPLIANT LEAD-FREE

Revised 07/10/2015

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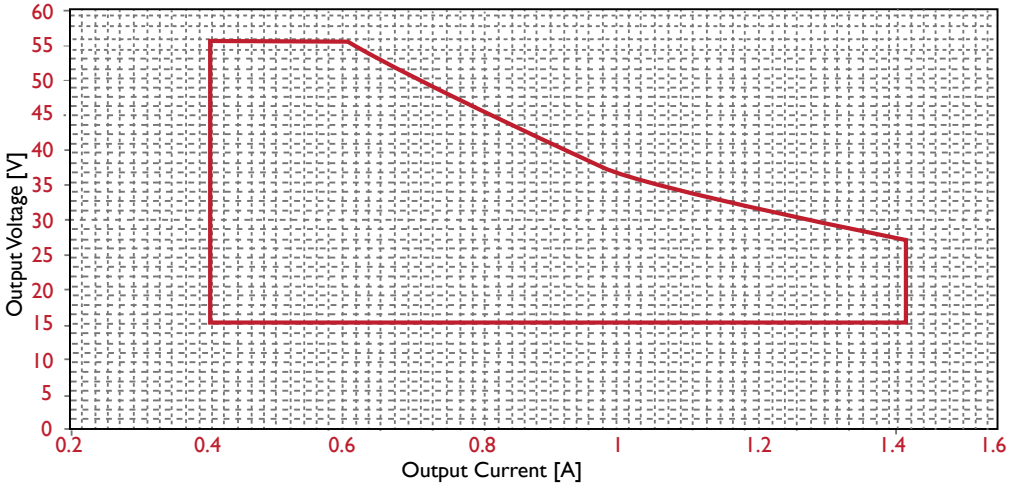
IOUT/VOUT CURVE

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

Iout List				
Current Value (mA)	Correspond Iout Code			
400	4A	01	00	01
500	A4	01	00	01
600	FE	01	00	01
700	53	02	00	01
800	A8	02	00	01
900	02	03	00	01
1000	57	03	00	01
1050	84	03	00	01
1100	B1	03	00	01
1150	D9	03	00	01
1200	06	04	00	01
1250	2E	04	00	01
1350	88	04	00	01
1400	78	05	00	01

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 untile 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

Revised 07/10/2015