AC Electronics™
ACELEDS.COM

Constant Current LED Driver

Model Number
AC30CD1.25APW0

Input Voltage: 120-277V

Input Frequency: 50/60Hz

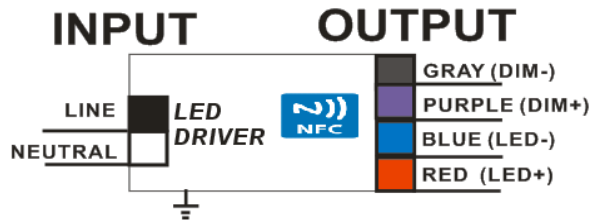Side Mount/Leads Options

Dim-to-Off @Max Current

PROGRAMMABLE, DIGITAL, WIDE-RANGE AJUSTABLE CURRENT & DIMMING CLASS P

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
30W	37W	0.3@120V 0.13@277V	>0.90	<20	15-55V	350mA-1250mA	90°C	0°C	64	82	0 to 10V	1 to 100%

WIRING:

INPUT

LINE
NEUTRAL
LED DRIVER NFC

OUTPUT

GRAY (DIM-)
PURPLE (DIM+)
BLUE (LED-)
RED (LED+)

PHYSICAL:

Hot Spot

Dimensions	Length	Width	Height	Mounting
AC30CD1.25APW0	6.22"	1.73"	1.22"	5.86"

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

SAFETY:
- Class P
- 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)

cULus

INSTALLATION:
- IP 64
- 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.

RoHS COMPLIANT
LEAD-FREE

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IOUT/VOUT CURVE

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

Iout vs Vout curve
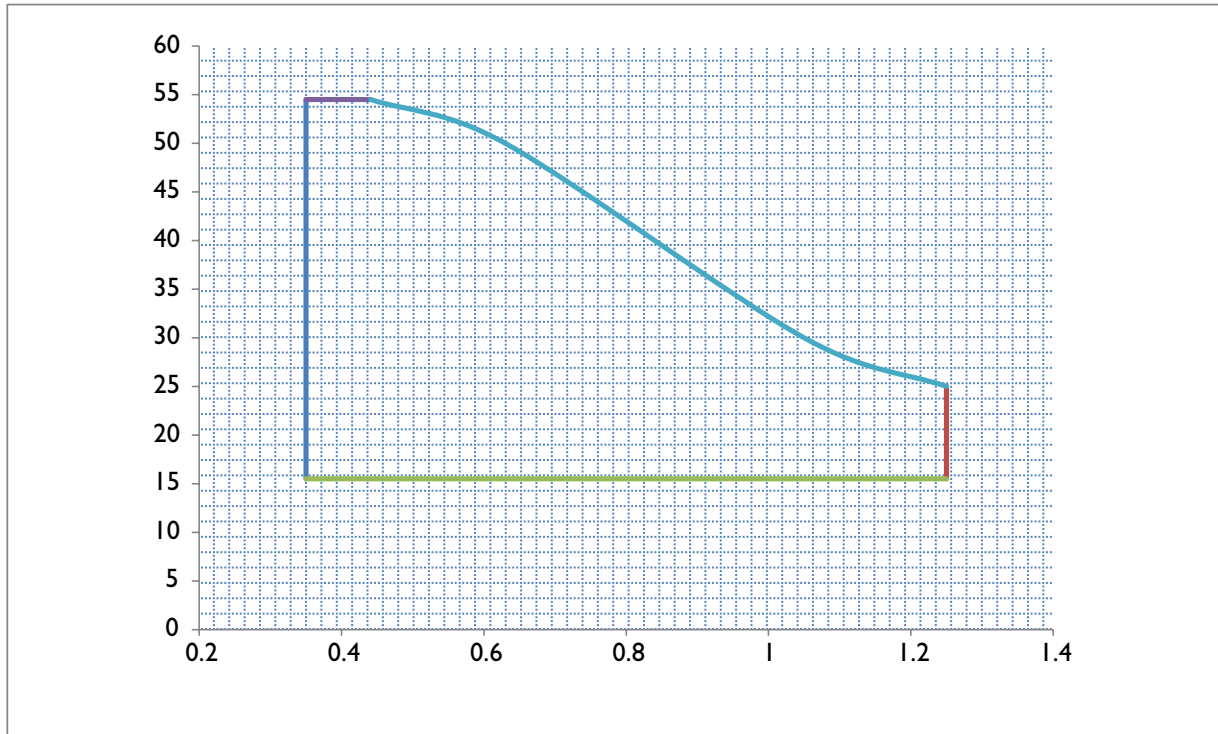
Phone Instructions

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	To Check: Read
Insert the appropriate code from chart above	Read
Write	Shows you the Block - 00 00 00 00
Successfully written will appear	This is where the code you input appears