



LDP15 SERIES

15 WATT SINGLE OUTPUT LED POWER SUPPLY



Features

- * Universal AC Input Range 90~264Vac
- * Suitable for LED Lighting Applications
- * Output Constant Current Control
- * DALI Dimming 5~100% (Optional)
- * Continuous Short Circuit Protection



MODEL	Input Voltage Range	Rated Output Voltage Range (CC region)	Rated Output Current (max.) (CC region)	No Load Output Voltage (max.)	Rated Output Power (max.)	Ripple and Noise (V p-p max.)	% Eff. typ. Noel
LDP15S420-C035	90-264 Vac	18-42 Vdc	350 mA	48 Vdc	14.7 W	0.42V	84%
LDP15S290-C050	90-264 Vac	18-29 Vdc	500 mA	48 Vdc	14.5 W	0.42V	
LDP15S210-C070	90-264 Vac	8-21 Vdc	700 mA	26 Vdc	14.7 W	0.21V	

Note:

1. Efficiency is measured at AC Input Voltage 230 Vac, Output 29V/500mA
2. The control gear can be connected to every type of lamp, but the total rated wattage of lamps shall not exceed the above rated output wattage.

Ordering Information (P/N name reference as label example below):

Series	Output Code	Single Code	Rated Output Voltage (max.)	Dimming Function	Rated Output Current (max.)	Option
LDP	15	a	B	c	d e f	
LDP	15	S : Single O/P	420 : 42 V	C : No dim D : DALI dim	035: 350 mA	Blank : No PSE logo (PSE) : PSE logo
			290 : 29V		050: 500 mA	
			210 : 21V		070: 700 mA	

CINCON ELECTRONICS CO., LTD.

P/N : LDP15S [a] [b] - [c] [d] [e] [f]

INPUT : 100-240V~ 0.4A 50-60Hz
 Rated output current : [g] MAX.
 No load output voltage : DC [h] MAX.
 Rated output power : 14.7W MAX.

● ACL (BLACK)
● ACN (WHITE)

SELV
tc:85°C
ta:50°C

+VO (RED) ●
-VO (BLACK) ●
DA (BROWN) ●
DA (BROWN) ●

S/N:XXXXX
D/C:XXXX
MADE IN CHINA

(株)TECH-POWER JAPAN
 入力 AC100-240V, 0.4A
 50-60Hz
 出力 DC [i] V, [j] A

All specifications are Typical at AC Input Voltage 230 Vac, full load and 25°C unless otherwise noted

Specifications

INPUT SPECIFICATIONS:

AC Input Voltage 90~264Vac
 Frequency 47 to 63Hz
 Inrush Current 40A max @240Vac, 25°C Ta Cold Start
 Leakage Current < 0.5 mA max.
 Standby Power Consumption 0.5W max.

OUTPUT SPECIFICATIONS:

Voltage Accuracy ±5% max.
 Constant Current Accuracy (note1) ±5% max.
 Current Line Regulation (note2) ±5% max.
 Current Load Regulation (note3) ±5% max.
 Over Voltage Protection TVS Clamp
 Short Circuit Protection Hiccup Mode, Auto Recovery
 DALI Dimming 5~100%

GENERAL SPECIFICATIONS:

Efficiency 84% typ.
 Isolation Voltage, Input to Output 3.00KVac.
 Isolation Resistance, Input to Output 10⁸ Ω min.
 Surge Voltage Between L-N 2KV

SAFETY AND EMC:

Safety EN61347-1, EN61347-2-13
 EMI EN55032/EN55015 Class B
 EMS EN61000-4-2, 3, 4, 5, 6, 11
 Harmonic Current EN61000-3-2, 3 Class A

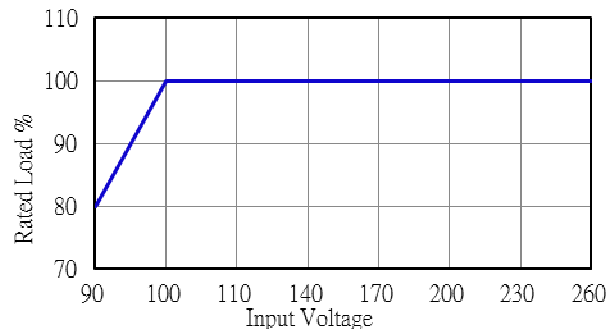
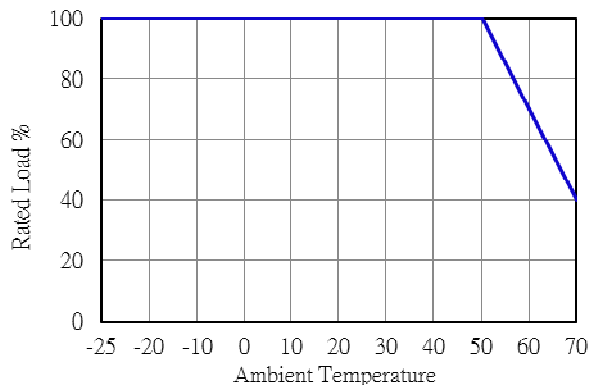
MECHANICAL CHARACTERISTICS:

Dimensions 3.780x1.574x0.984 Inches (96.0x40.0x25.0mm)
 Weight..... 100g

NOTE:

1. Current accuracy is set at nominal input voltage and full load.
2. Current line regulation is measured from high line to low line with full load.
3. Current load regulation is measured from 75% to 100% output rated voltage max.
4. All specifications are typical at 230 Vac, Vo max, full load and 25°C Ta unless other noted.

LDP15 Derating Curve



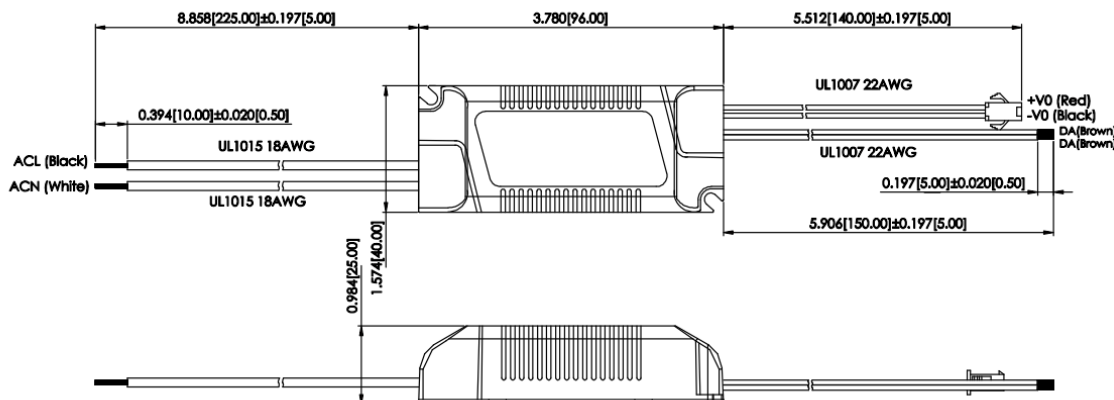
ENVIRONMENTAL CHARACTERISTICS:

Operating Ambient Temperature -25°C ~ 70°C, 50°C~70°C@-3%/°C
 Cooling Natural Convection
 Storage Temperature, Humidity -40 ~ 85°C, 20%~95% RH
 Operating Altitude Max. Sea Level to 3000m
 Temperature Coefficient ±0.03%/°C(0~50°C)

Mechanical Specification

All Dimensions are in inches[mm]
 Tolerance:Inches:X.XXX±0.02
 Millimeters:X.XX±0.5

UNIT:inches[mm]



All specifications are Typical at AC Input Voltage 230 Vac, full load and 25°C unless otherwise noted