



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



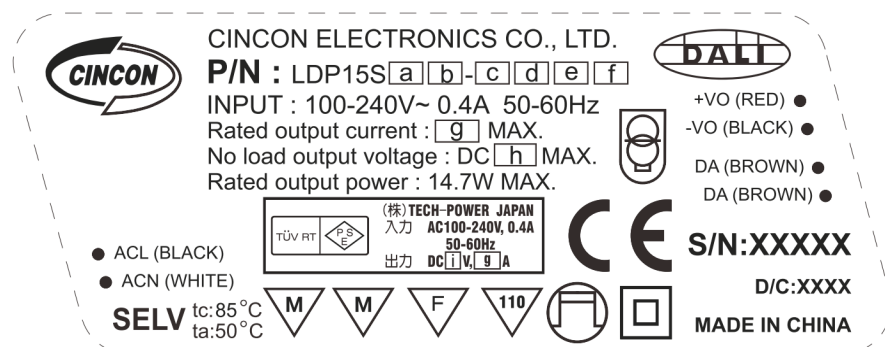
MODEL	Input Voltage Range	Rated Output Voltage Range (CC region)	Rated Output Current (max.) (CC region)	No Load Output Voltage (max.)	Rated Output Power (max.)	Ripple and Noise (V p-p max.)	% Eff. typ. No1
LDP15S420-C035	90-264 Vac	18-42 Vdc	350 mA	48 Vdc	14.7 W	0.42V	84%
LDP15S290-C050	90-264 Vac	18-29 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	



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	10 ⁸ 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

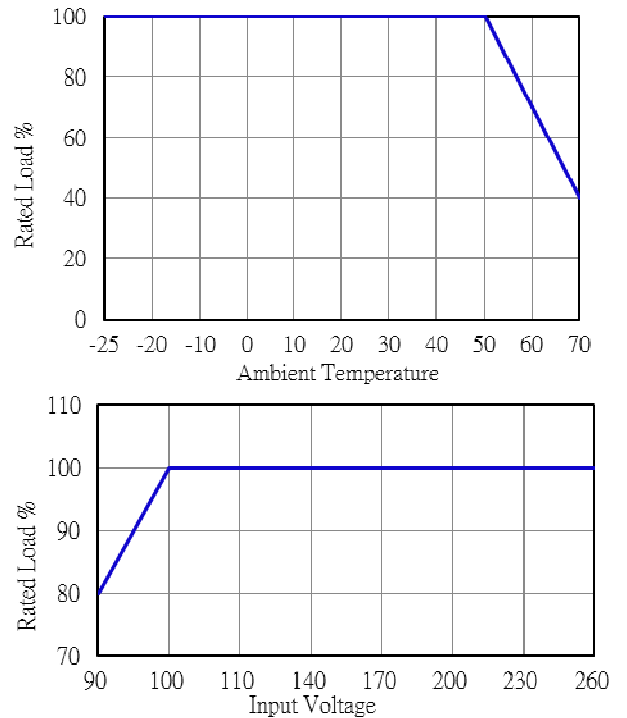
MECHANICAL CHARACTERISTICS:

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



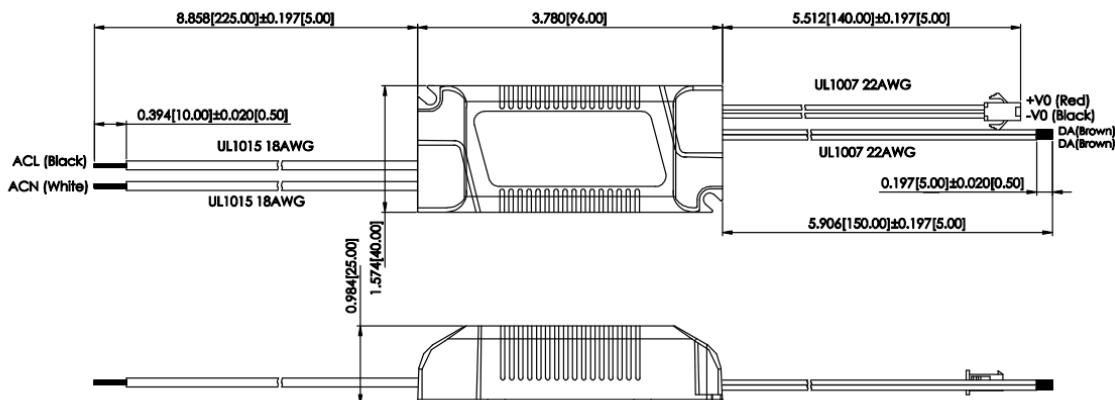
ENVIRONMENTAL CHARACTERISTICS:

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