

24D series



24W AC-DC Constant Current LED Driver with triac Dimmer



CE SELV IP65
EQUIVALENT

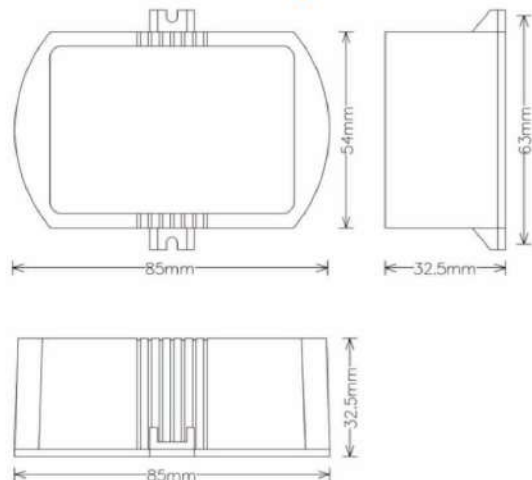
Features

- 120VAC input (up to 127 VAC)
- Constant Current design
- Class 2 Power Supply Unit
- Built-in active PFC Function
- Fully isolated plastic case
- 2 years warranty
- Protections:
 - Over current/ ■ Short Circuit ■ Over Temperature

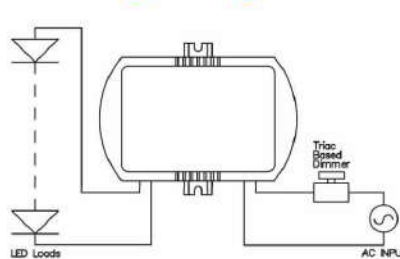
Specification

Model No.	LD024D-CA05048-15	LD024D-CA07036-15	LD024D-CA10024-15	LD024D-CA12020-15
Input	Voltage & Frequency Range			
	112-127VAC;50Hz/60Hz			
	AC Current (Max.)			
	0.24A at 120Vac			
	Power Factor			
> 0.9 at 120Vac with full load.				
Output	Inrush Current (Max.)			
	< 20A at 120Vac			
	Leakage Current			
	< 1mA /120Vac			
	DC Voltage Range (VF)			
20-46V				
Constant Current Range				
500mA' ± 6%				
700mA' ± 6%				
1000mA' ± 6%				
1200mA' ± 6%				
Rated Max. Power				
24W				
24W				
24W				
Ripple & Noise(Max.) note.2				
4.0Vp-p				
3.0Vp-p				
2.4Vp-p				
2.4Vp-p				
Efficiency note.1				
79%				
82.5%				
82%				
82%				
Protections	Over Current			
	110% -120% Constant current limiting, auto-recovery			
Environment	Short Circuit			
	Hiccup mode, recovers automatically after fault condition is removed			
Safety & EMC	Working Temp.			
	-10°C~50°Cambient operating at full load			
	Working Humidity			
20% ~ 90% RH non-condensing.				
Connection	Storage Temp.,Humidity			
	-20 ~ +80°C ,10% ~ 90% RH			
	Safety Standards			
	meet UL1310			
Others	EMC Standards note.3			
	meet FCC PART15 CLASS B			
	Withstand Voltage			
I/P-O/P:3.75 KVAC				
Note	Isolation Resistance			
	I/P-O/P:100M ohms / 500VDC at 25°C			
	Input			
UL rated,18AWGx2C(150mm)				
Output				
UL rated,18AWGx2C(150mm)				
MTBF				
100K hours min. @Ta=25°C				
Dimension(L*W*H)				
85 * 54(63) * 32.5mm				
Packing(L*W*H)/Carton				
487 * 352 * 230mm;100pcs/24.0Kg				
1. All parameters NOT specially mentioned are measured at 230V AC input, rated load and 25°C ambient temperature.				
2. Ripple & Noise are measured at 20MHZ bandwidth oscilloscope and with 0.1uf & 47uf parallel capacitor.				
3. The power supply is considered a component which will be installed a final equipment. The final equipment must be re - confirmed that it still meets EMC directives.				

Mechanical Specification



Wiring Diagram



Dimmer Recommended

Brand	Parts NO.
LUTRON	SKYLARK SELV-300P
LUTRON	SKYLARK S-600P
LUTRON	SKYLARK S-600
LUTRON	SUPERSLIDE 6631
LUTRON	SUPERSLIDE 6633-P