

■ Features

- Constant Voltage mode output
- Metal housing design with functional Ground
- Built-in active PFC function
- IP67 / IP65 rating for indoor or outdoor installations
- Function options:
- 1. No dimmable,
- 2. TRIAC Dimming
- 3. 4 in 1 dimmable (0-10V,1-10V,,PWM.resistance)
- 4. 5 in 1 dimmable (0-10V,1-10V,TRIAC,PWM.resistance)
- Typical lifetime>50000 hours
- 5 years warranty

■ Applications

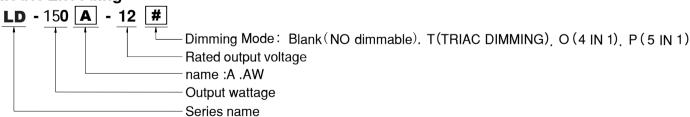
- Wall Washer
- LED Strip Light
- LED Tube
- Underground Light
- AR111 Venture Light

■ Description

LD -150 Series is one150WLEDAC variable DC driver, with constant current output and constant voltage output design as the main characteristics. This series The model can work at input voltage 100~277 VAC, and provide a variety of output rated voltage between 12 V~48 V. With a maximum conversion efficiency of up to 93%, the fan-free design can work in the temperature range of-40°C~+50°C under natural air cooling and heat dissipation.

Metal case and IP67/IP65 high protection grade design make LD-150 suitable for indoor or outdoor applications.LD-150 with a variety of functional options (such as dimming mode) to provide the best design flexibility for the lighting system.

■ Model Encoding



Type	Function	Note
Blank	NO dimmable	standard
0	4 in 1 dimming function (0/1~10Vdc, 10V PWM signal and resistance)	standard
Р	5 in 1 dimming function (0/1~10Vdc, 10V PWM signal, TRIAC and resistance)	standard
Т	TRIAC DIMMABLE	standard



			LD-100 🗆 -12 🗆	LD-100 🗆 -24 🗆	LD-100 □ -36 □	LD-100 🗆 -48 🗆	
MODEL		LD-120 🗆 -12 🗆	LD-120 🗆 -24 🖂	LD-120 □ -36 □	LD-120 -48		
		LD-150 -12	LD-150 🗆 -24 🖂	LD-150 -36	LD-150 -48		
				LD-96 □ -24 □			
	Output Vol	tage	12V	24V	36V	48V	
			8.33A	4.16A	2.78A	2.08 A	
Rated current		ent	10.0 A	5.0 A	3.33 A	2.5 A	
			12.5A	6.25 A , 4.0 A	4.16 A	3.13 A	
	Rated power		100W, 120W, 150W	100W,120W,150W,96W	100W, 120W, 150W	100W, 120W, 150W	
OUTPUT	Ripple & Noise (max.)		200mVp-p	250mVp-p	250mVp-p	250mVp-p	
	Voltage accuracy		±2.0%	±2.0%	±2.0%	±2.0%	
	Linear adjustment rate		±0.5%	±0.5%	±0.5%	±0.5%	
	Load adjustment rate		±0.5%	±0.5%	±0.5%	±0.5%	
	Start, rise time		500ms, 100ms/230VAC, 1000ms, 100ms/115VAC				
	Hold time		10ms/115VAC, 230VAC				
	Voltage rai	nge	100 ~ 277 VAC				
-	Frequency range		47 ~ 63Hz				
	Power factor		$PF \ge 0.98/115VAC$, $PF \ge 0.95/230VAC$, $PF \ge 0.9/277VAC$, Full load				
			THD<20%(@ load ≥50%/115VC,230VAC; @ load ≥75%/277VAC)				
	Total harmon			1	1		
INPUT	Efficiona	Vin: 115VAC	≧ 88%	≥90%	≧90%	≥ 90%	
INPUT	Efficiency	Vin: 230VAC	≥ 90%	≥92%	≥93%	≥ 93%	
	AC current		1.6 A / 115VAC 0.8 A / 230VAC				
	Inrush current		Cold start 75A(twidth=350us measured at 50% lpeak)/230Vac				
	Leakage current		<1mA				
	No load/standby power consumption						
			< 1.0 W				
		nsumption	95 ~ 110%	nit lood obnormal conn	dition can be removed	d ofter automatic recove	
_	Over curre	ent	95 ~ 110% Constant current lir	· · · · · · · · · · · · · · · · · · ·			
Protection -	power co	ent	95 ~ 110% Constant current lir Burp mode, load al	onormal conditions can	be removed after au	tomatic recovery	
Protection -	Over curre	ent	95 ~ 110% Constant current lir Burp mode, load at 13 ~ 16 V	onormal conditions can	be removed after au		
Protection -	Over curre Short circu Over voltage	ent dit	95 ~ 110% Constant current lir Burp mode, load at 13 ~ 16 V Turn off the output	onormal conditions can 26~32V voltage, restart and res	be removed after au 39 ~ 47 V sume	tomatic recovery	
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