# imall

Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from, Europe, America and south Asia, supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of "Quality Parts, Customers Priority, Honest Operation, and Considerate Service", our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip, ALPS, ROHM, Xilinx, Pulse, ON, Everlight and Freescale. Main products comprise IC, Modules, Potentiometer, IC Socket, Relay, Connector. Our parts cover such applications as commercial, industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



# Contact us

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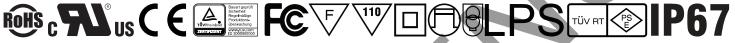
# SERIES: PLDA25 | DESCRIPTION: LED DRIVER

#### FEATURES

- up to 25 W continuous power
- universal input range (90~305 Vac)
- single output
- dimming options: PWM, 1~10 Vdc
- power factor correction  $\geq 0.9$
- constant current
- low profile for easy installation
- IP67 rated

- over voltage, and continuous short circuit protection
- UL 8750, IEC/EN61347-2-13 approval
- EN61000-3-2 Class C (harmonic current) approval
- efficiency up to 86%
- suitable for LED lighting and signage applications

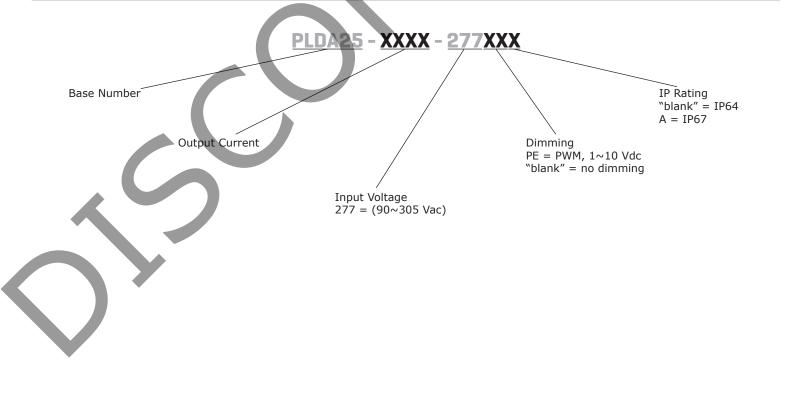




MODEL		voltage Ige <sup>1</sup>	output current	output power	ripple and noise <sup>2</sup>	efficiency
	<b>min</b> (Vdc)	<b>max</b> (Vdc)	(mA)	max (W)	<b>max</b> (mVp-p)	<b>typ</b> (%)
PLDA25-530-277	9	48	530	25.44	480	86
PLDA25-700-277	9	36	700	25.2	360	84
PLDA25-1100-277	9	24	1100	26.4	240	86
Notes: 1. constant current region						

ripple and noise are measured at 20MHz bandwidth with a 0.1uF ceramic capacitor and 10uF aluminum capacitor.

# PART NUMBER KEY



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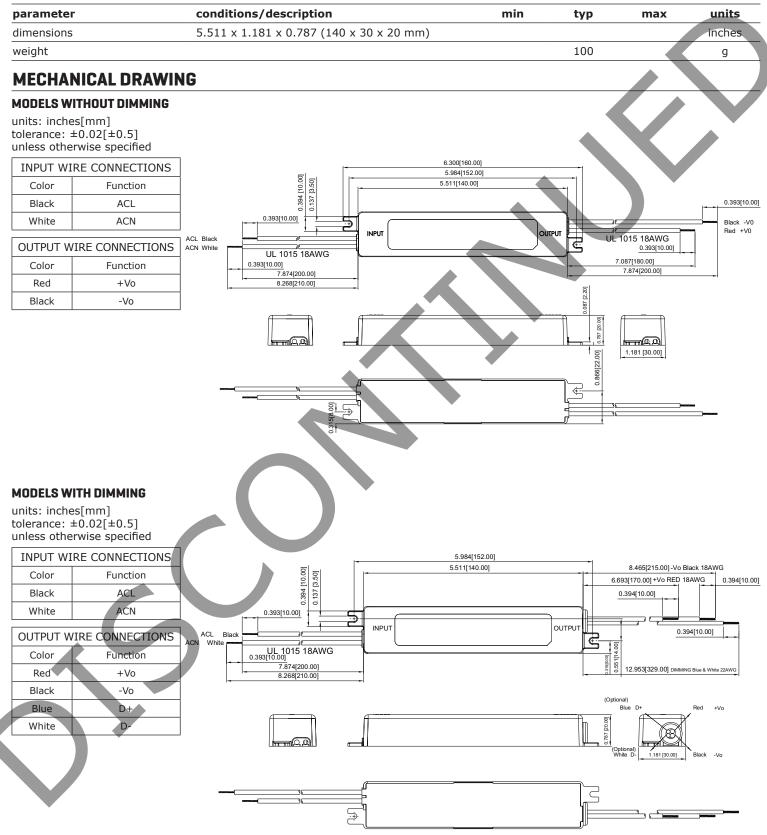
### INPUT

	max	units
	305 420	Vac Vdc
	63	Hz
0.3 0.14		A A
	5	A
	0.5	mA
	1	W
typ	max	units
	±5	%
	±5	%
	±5	%
60		kHz
	0.5	S
±0.05		%/°C
typ	max	units
typ	max	units
	3,750	Vac
		MΩ
200,000		hours
typ	max	units
	70	°C
	85	°C
	95	%
	3,000	m

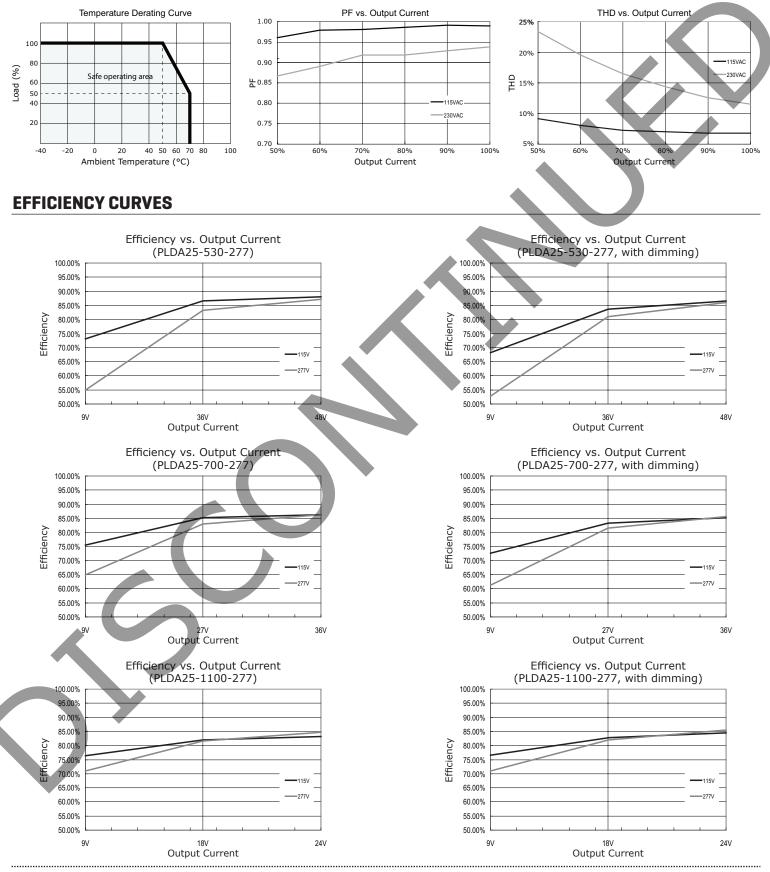
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#### MECHANICAL

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#### **DERATING CURVES**

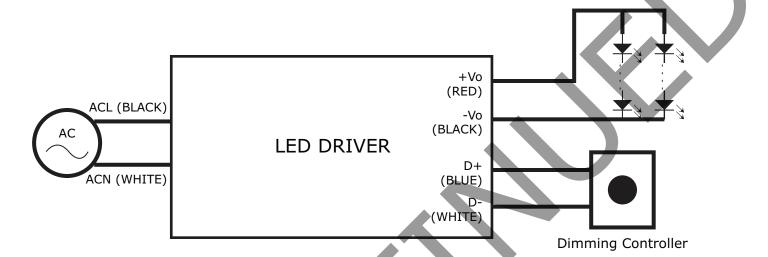


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## **APPLICATION NOTES**

#### 1. Dimming

Dimming should be controlled from the dimming controller with PWM or  $1 \sim 10$  Vdc.



#### 1~10 Vdc Dimming

Voltage	1V	2V	3V	4V	5V	6V	7V	8V	9V	10V (open)
Output Current	10%	20%	30%	40%	50%	60%	70%	80%	90%	100%

#### PWM Dimming (@ 1kHz, 10V)

Duty Cycle	10%	20%	30%	40%	50%	60%	<b>70</b> %	80%	90%	100% (open)
Output Current	10%	20%	30%	40%	50%	60%	70%	80%	90%	100%

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Note: 1. All specifications are measured at Ta=25°C, 115/230 Vac input voltage, and full load unless otherwise specified.
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#### **REVISION HISTORY**

ſ	rev.		description		date
ł	1.0		initial release		09/22/2014
	1.0	The revision history provide		es only and is believed to be acc	
	⊳ CU	<b>UIINC</b> <sup>®</sup>	Headquarters 20050 SW 112th Ave. Tualatin, OR 97062 800.275.4899	Fax 503.612.2383 <b>cui</b> .com techsupport@cui.com	

CUI offers a two (2) year limited warranty. Complete warranty information is listed on our website.

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