



PLT-13215



Constant current LED driver
Total power: 75W
Input voltage: 120~277Vac $\pm$ 10%
Number of outputs: One
UL 8750
IP20 design for dry and damp location
Isolated dimming circuit, dimmable with 0-10V dimmer
4 selectable outputs by slide switch
5 year warranty



ELECTRICAL SPECIFICATIONS

Input voltage range:	120~277Vac $\pm$ 10%
Frequency:	50/60Hz
Power factor:	> 0.9 under 120~277Vac input with 80~100% load condition (for all output currents)
Inrush current:	30A @120V
Max input current:	0.75A @120V, 0.37A @240V and 0.32A @277V
THD:	< 20% under 120~277Vac input with 80~100% load condition (for all output currents)
Load Regulation:	$\pm$ 5%
Line Regulation:	$\pm$ 5%
Output Tolerance:	$\pm$ 5% at full load condition
Turn-on Delay Time:	< 0.5s at 50~100% load, input 120V
Overshoot:	< 10% at full load condition
No Load Power Consumption:	< 2W
Ripple & Noise (pk-pk):	< 10%
Withstand voltage:	Input to output, 2,800Vdc, 2mA
Surge rating:	2.5KV for Combination Wave / Ring Wave
Leakage current:	Maximum 0.5mA at 277Vac, 60Hz input
Protection:	Over voltage protection: Hiccup mode. Protection will trigger when load voltage exceed specified output voltage and will auto recover after the fault mode is removed. Over current protection: Hiccup mode. Protection will trigger when load current exceed specified output current and will auto recover after the fault mode is removed. Short circuit protection: Hiccup mode. Protection will trigger when short circuit and will auto recover after the fault mode is removed.

ENVIRONMENTAL SPECIFICATIONS

Operating temperature:	-40 to 60°C
Storage temperature:	-40 to 85°C
Humidity:	5% to 95%
MTBF:	356,000 hours at 40°C ambient (~70°C Case temp)
Life rating:	85,000 hours at 120Vac input, 100% load and 60°C case temperature
Maximum case Temperature :	90°C

SAFETY AND EMC COMPLIANCE

UL/cUL	UL 8750, Class P, Type HL
CE	EN61347-1, EN61347-2-13
FCC, 47CFR Part 15	ANSI C63.4:2009 Class B (Consumer Limit)
EN61000-3-2	Harmonic Current Emissions Class C

*Available via Special Order. Call 1-800-624-4488.

PRODUCT SPECIFICATIONS

Model Number	Max output power	Output Current	Output Voltage	OCV	Efficiency at 120V (Typ.)	Efficiency at 240V (Typ.)	Efficiency at 277V (Typ.)	Remote mounting distance (#18 AWG)	Class 2
NPS-00342*	75W	1100mA	30 - 54V	60V	90%	91%	91%	38 ft	✓
		1200mA							
		1300mA							
		1400mA							
NPS-00343*	72W	1400mA	20 - 42V	47V	89%	90%	90%	22 ft	✓
		1500mA							
		1600mA							
		1700mA							
PLT-13215	75W	1600mA	18 - 36V	41V	88%	89%	89%	17 ft	✓
		1700mA							
		1900mA							
		2100mA							

PHYSICAL DIMENSIONS

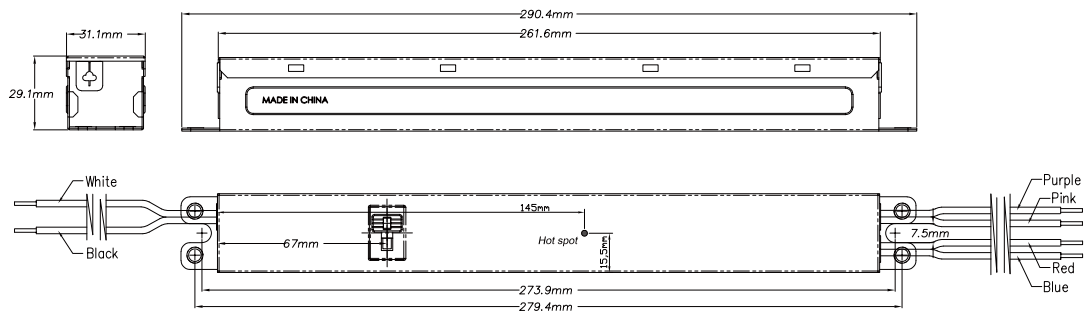
Length (L):	11.43" (290.4mm)
Width (W):	1.23" (31.1mm)
Height (H):	1.15" (29.1mm)
Mounting (M):	10.78" (273.9mm)

PACKAGING

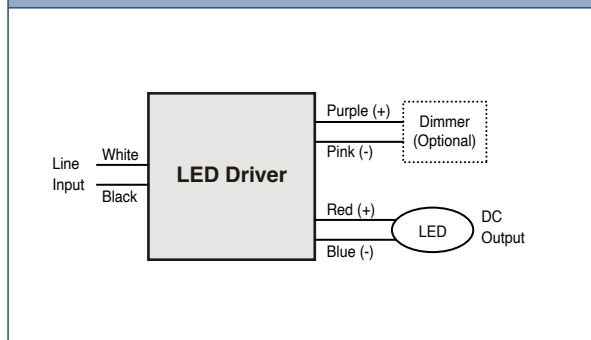
0.5kg / unit ; 32pcs / carton ; 1440pcs / pallet	
Carton size:	360 x 290 x 145 mm
Carton weight:	16 kg
Case Material:	Metal

WIRE SPECIFICATIONS

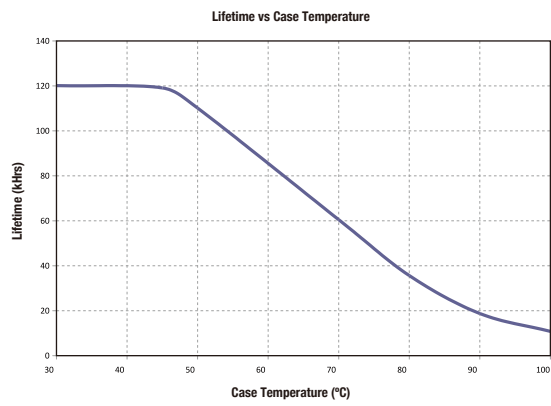
Input:	12", UL 1316 #18AWG (Black and White)
Output:	12", UL 1316 #18AWG (Red and Blue)
Dimming:	12", UL 1316/1430 #22AWG (Purple and Pink)



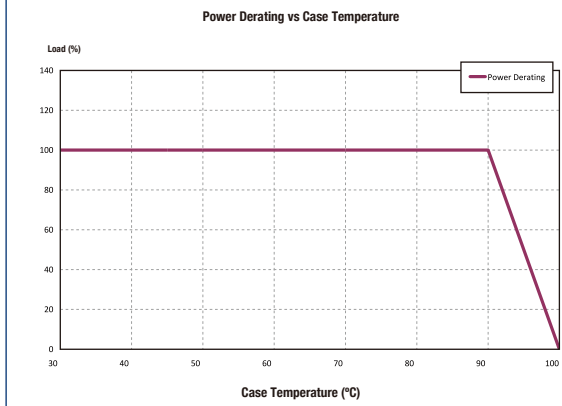
WIRING DIAGRAM



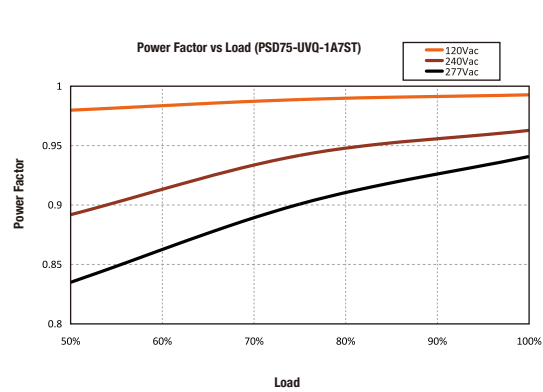
LIFETIME vs CASE TEMPERATURE



POWER DERATING vs CASE TEMPERATURE



POWER FACTOR vs LOAD



EFFICIENCY vs LOAD

