PLT-13210

Constant current LED driver
Total power: 60W
Input voltage: 120~277Vac ± 10%
Number of outputs: One
UL 8750
IP20 design for dry and damp location
Isolated dimming circuit, dimmable with 0-10V dimmer
5 year warranty

ELECTRICAL SPECIFICATIONS	
Input voltage range:	120~277Vac ± 10%
Frequency:	50/60Hz
Power factor:	> 0.9 under 120~277Vac input with 80~100% load condition (for all output voltage)
Inrush current:	60A @277V
Max input current:	0.61A @120V, 0.31A @240V and 0.27A @277V
THD:	< 20% under 120~277Vac input with 80~100% load condition (for all output voltage)
Load Regulation:	± 2%
Line Regulation:	± 1%
Output Tolerance:	± 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):	< 3%
Withstand voltage:	Input to output, 2,800Vdc, 2mA
Surge rating:	4KV 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. Over temperature protection: Protection will trigger when driver overheat and auto-recovery when cooled down.

ENVIRONMENTAL SPECIFICATIONS	
Operating temperature:	-40 to 60°C
Storage temperature:	-40 to 85°C
Humidity:	5% to 95%
MTBF:	304,000 hours at 40°C ambient (~70°C Case temp)
Life rating:	85,000 hours at 120Vac input, 100% load and 60ºC 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-00319*	60W	600mA	50-100V	101V	89%	90%	90%	64 ft	
NPS-00320*	60W	700mA	43-86V	87V	89%	90%	90%	54 ft	
NPS-00321*	60W	800mA	38-75V	76V	89%	90%	90%	48 ft	
NPS-00322*	60W	900mA	33-67V	68V	89%	90%	90%	42 ft	
NPS-00323*	60W	920mA	33-65V	66V	89%	90%	90%	41 ft	
NPS-00324*	55W	930mA	30-59V	60V	89%	90%	90%	41 ft	✓
NPS-00325*	57W	1000mA	30-57V	59V	89%	90%	90%	38 ft	✓
NPS-00326*	60W	1050mA	29-57V	58V	88%	89%	89%	36 ft	✓
NPS-00327*	60W	1100mA	27-55V	56V	88%	89%	89%	34 ft	✓
NPS-00328*	60W	1200mA	25-50V	51V	88%	89%	89%	32 ft	✓
NPS-00329*	60W	1300mA	23-46V	47V	88%	89%	89%	29 ft	✓
NPS-00330*	60W	1400mA	21-43V	44V	88%	89%	89%	27 ft	✓
NPS-00331*	60W	1500mA	20-40V	41V	88%	89%	89%	25 ft	✓
NPS-00332*	60W	1600mA	18-37.5V	39V	88%	89%	89%	24 ft	✓
PLT-13210	60W	1650mA	18-36V	37V	88%	89%	89%	23 ft	✓
NPS-00333*	60W	1700mA	18-35V	36V	88%	89%	89%	22 ft	✓
NPS-00334*	60W	1800mA	17-33V	34V	88%	89%	89%	21 ft	✓
NPS-00335*	60W	1900mA	16-32V	33V	88%	89%	89%	20 ft	✓
NPS-00336*	60W	2000mA	15-30V	31V	87%	88%	88%	19 ft	✓
NPS-00337*	60W	2100mA	14-29V	30V	87%	88%	88%	18 ft	✓
NPS-00338*	60W	2200mA	14-27V	28V	87%	88%	88%	17 ft	✓
NPS-00339*	60W	2300mA	13-26V	27V	87%	88%	88%	16 ft	✓
NPS-00340*	60W	2400mA	12-25V	26V	87%	88%	88%	16 ft	✓
NPS-00341*	60W	2500mA	12-24V	25V	87%	88%	88%	15 ft	✓

PHYSICAL DIMENSIONS

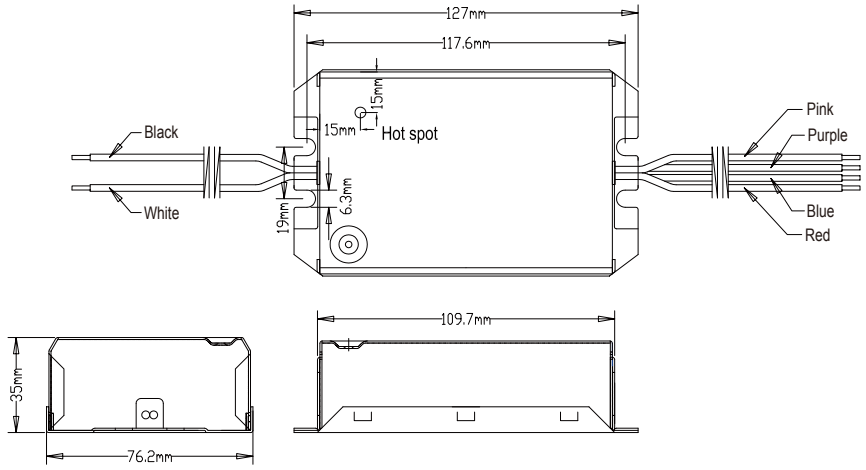
Length (L):	5.00” (127mm)
Width (W):	3.00” (76.2mm)
Height (H):	1.38” (35mm)
Mounting (M):	4.63” (117.6mm)

PACKAGING

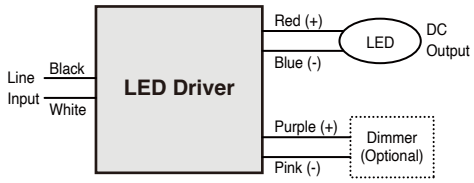
0.58kg / unit ; 30pcs / carton ; 1,080pcs / pallet	
Carton size:	540 x 165 x 200 mm
Carton weight:	18 kg
Case Material:	Metal

WIRE SPECIFICATIONS

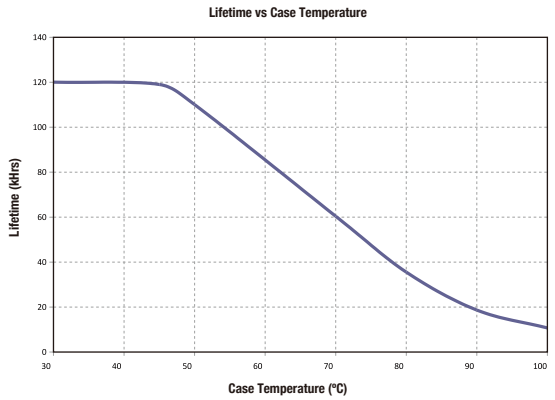
Input:	12”, UL 1316 #18AWG (Black and White)
Output:	12”, UL 1316 #18AWG (Red and Blue)
Dimming:	12”, UL 1430 #22AWG (Purple and Pink)



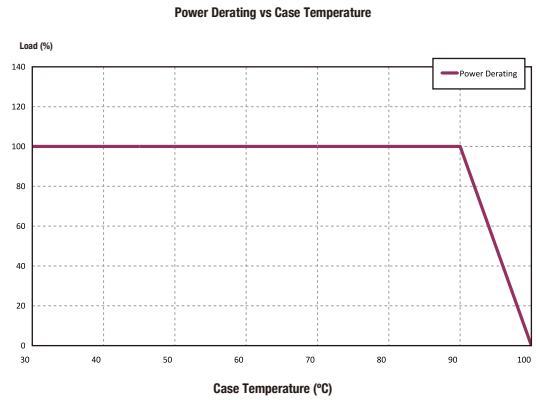
WIRING DIAGRAM



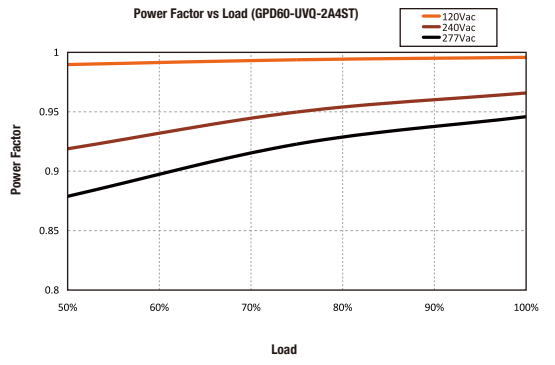
LIFETIME vs CASE TEMPERATURE



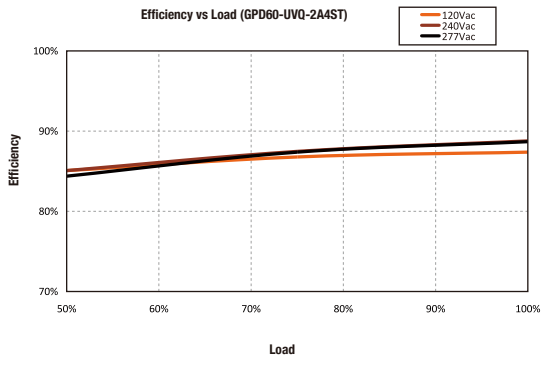
POWER DERATING vs CASE TEMPERATURE



POWER FACTOR vs LOAD



EFFICIENCY vs LOAD



DIMMING CURVE