



# KTLD-240-CA-2500-AP5

## LED DRIVER



Constant current LED driver
Total power: 240W
Input voltage: 347~480Vac $\pm$ 10%
Number of outputs: One
UL Listed, Class P
IP67 design for wet location
5 year warranty

### ELECTRICAL SPECIFICATIONS

Input voltage range:	347~480Vac $\pm$ 10%
Frequency:	50/60Hz
Power factor:	> 0.9 under 347~480Vac input with 80~100% load condition (for all output voltage)
Inrush current:	130A @347V
Max input current:	0.88A @347V and 0.66A @480V
THD:	< 20% under 347~480Vac input with 80~100% load condition (for all output voltage)
Load Regulation:	$\pm$ 2%
Line Regulation:	$\pm$ 1%
Output Tolerance:	$\pm$ 5% at full load condition
Turn-on Delay Time:	< 2s at full load condition
Overshoot:	< 10% at full load condition
No Load Power Consumption:	< 2W
Ripple & Noise (pk-pk):	< 3%
Withstand voltage:	Input to output, 2,800Vdc, 2mA
Leakage current:	Maximum 0.5mA at 480Vac, 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:	TBD
Life rating:	TBD
Maximum case Temperature :	90°C

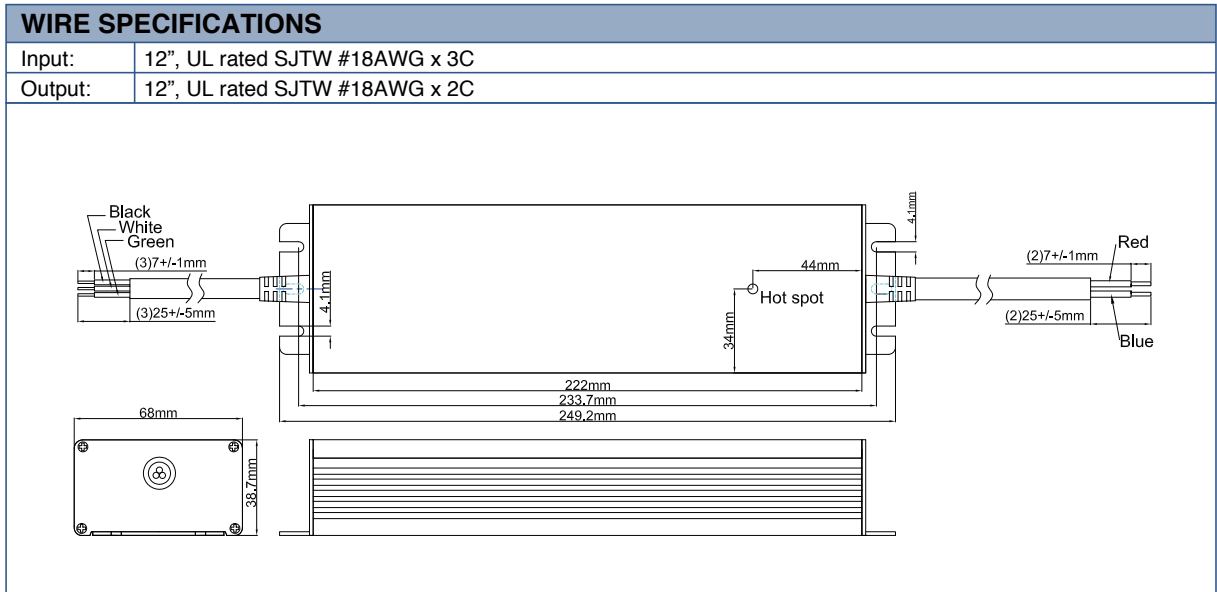
### SAFETY AND EMC COMPLIANCE

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

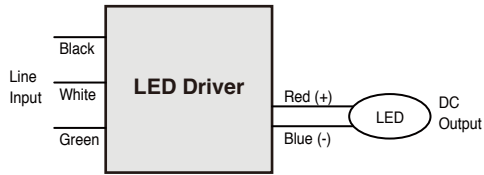
PRODUCT SPECIFICATIONS									
Model Number	Max output power	Output Current	Output Voltage	OCV	Efficiency at 347V (Typ.)	Efficiency at 480V (Typ.)	Remote mounting distance (#18 AWG)	Class 2	
								US	Canada
<b>KTLD-240-CA-2500-AP5</b>	240W	2500mA	48-96V	102V	93%	91%	14 ft		

PHYSICAL DIMENSIONS	
Length (L):	9.81" (249mm)
Width (W):	2.68" (68mm)
Height (H):	1.52" (39mm)
Mounting (M):	9.20" (234mm)

PACKAGING	
1.2kg / unit ; 15pcs / carton ; 540pcs / pallet	
Carton size:	445 x 310 x 142 mm
Carton weight:	19 kg
Case Material:	Aluminium



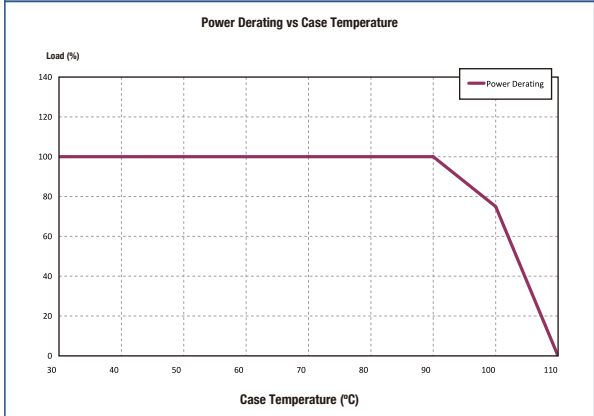
### WIRING DIAGRAM



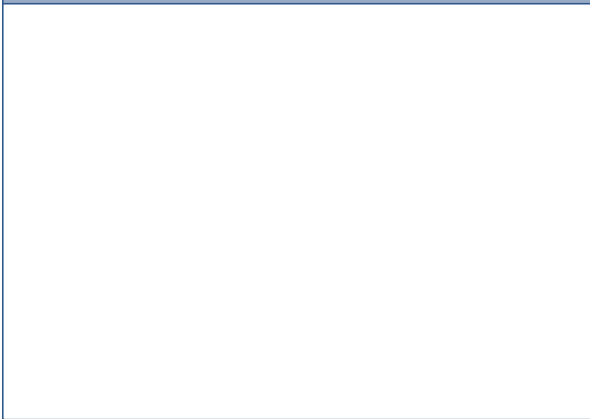
### LIFETIME vs CASE TEMPERATURE: TBD



### POWER DERATING vs CASE TEMPERATURE



### POWER FACTOR vs LOAD: TBD



### EFFICIENCY vs LOAD: TBD

