



# KTLD-75-UV-XXX-VDIM-67-AP9

## LED DRIVER



Constant current LED driver
Total power: 75W
Input voltage: 120~277Vac $\pm$ 10%
Number of outputs: One
UL Listed, Class P
IP67 design for wet location
Dimmable with 0-10V dimmer
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 @230V
Max input current:	0.77A @120V, 0.39A @240V and 0.34A @277V
THD:	< 20% under 120~277Vac input with 80~100% load condition (for all output currents)
Load Regulation:	$\pm$ 2%
Line Regulation:	$\pm$ 1%
Output Tolerance:	$\pm$ 5% at full load condition
Turn-on Delay Time:	< 1s at full load condition
Overshoot:	< 10% at full load condition
No Load Power Consumption:	< 2W
Ripple & Noise (pk-pk):	< 5%
Withstand voltage:	Input to output, 2,800Vdc, 2mA
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:	254,000 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 Listed, 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

**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	
									US	Canada
KTLD-75-UV-500-VDIM-67-AP9	75W	500mA	50-150V	156V	89%	90%	90%	76 ft		
KTLD-75-UV-600-VDIM-67-AP9	75W	600mA	42-125V	131V	89%	90%	90%	64 ft		
KTLD-75-UV-700-VDIM-67-AP9	75W	700mA	36-108V	114V	89%	90%	90%	54 ft		
KTLD-75-UV-800-VDIM-67-AP9	75W	800mA	31-94V	100V	88%	89%	89%	48 ft		
KTLD-75-UV-900-VDIM-67-AP9	75W	900mA	28-83V	89V	88%	89%	89%	42 ft		
KTLD-75-UV-1000-VDIM-67-AP9	75W	1000mA	25-75V	81V	88%	89%	89%	38 ft		
KTLD-75-UV-1100-VDIM-67-AP9	75W	1100mA	23-68V	64V	88%	89%	89%	34 ft		
KTLD-75-UV-1200-VDIM-67-AP9	75W	1200mA	21-63V	69V	88%	89%	89%	32 ft		
KTLD-75-UV-1300-VDIM-67-AP9	75W	1300mA	19-58V	64V	88%	89%	89%	29 ft	✓	
KTLD-75-UV-1400-VDIM-67-AP9	75W	1400mA	18-54V	60V	88%	89%	89%	27 ft	✓	
KTLD-75-UV-1500-VDIM-67-AP9	75W	1500mA	17-50V	56V	87%	88%	88%	25 ft	✓	
KTLD-75-UV-1600-VDIM-67-AP9	75W	1600mA	16-47V	53V	87%	88%	88%	24 ft	✓	
KTLD-75-UV-1700-VDIM-67-AP9	75W	1700mA	15-44V	50V	86%	87%	87%	22 ft	✓	
KTLD-75-UV-1800-VDIM-67-AP9	75W	1800mA	14-42V	48V	86%	87%	87%	21 ft	✓	✓
KTLD-75-UV-1900-VDIM-67-AP9	75W	1900mA	13-39V	45V	86%	87%	87%	20 ft	✓	✓
KTLD-75-UV-2000-VDIM-67-AP9	75W	2000mA	12.5-37.5V	44V	86%	87%	87%	19 ft	✓	✓
KTLD-75-UV-2100-VDIM-67-AP9	75W	2100mA	12-36V	42V	86%	87%	87%	18 ft	✓	✓

**PHYSICAL DIMENSIONS**

Length (L):	5.90" (150mm)
Width (W):	2.33" (59mm)
Height (H):	1.46" (37mm)
Mounting (M):	5.51" (140mm)

**PACKAGING**

0.70kg / unit ; 15pcs / carton ; 630pcs / pallet	
Carton size:	385 x 260 x 135 mm
Carton weight:	12.5 kg
Case Material:	Aluminium

**WIRE SPECIFICATIONS**

Input:	12", UL rated SJTW #18AWG x 3C
Output:	12", UL rated SJTW #18AWG x 2C
Dimming:	12", UL rated SJTW #22AWG x 2C



