



KTLD-25-UV-XXX-VDIM-L9

CONSTANT CURRENT LED DRIVER



DESCRIPTION

LED Driver | 25W | 120-277V Input | 700-1400mA Output

TOTAL POWER: 25W	LOCATION TYPE: IP20 design for dry and damp locations
INPUT VOLTAGE: 120~277Vac ±10%	OUTPUT CURRENT: 700-1400mA
INPUT FREQUENCY: 50/60 Hz	DIMMING: 0-10V
NUMBER OF OUTPUTS: One	WARRANTY: 5 Years
SAFETY COMPLIANCE: UL 8750	

ELECTRICAL SPECIFICATIONS

Input Voltage Range	120~277Vac ± 10%
Frequency	50/60 Hz
Power Factor	> 0.9 under 120~277Vac input with 80~100% Load Condition (for all output currents)
Inrush Current	7A @230V
Max. Input Current	0.26A @120V, 0.13A @240V AND 0.11A @277V
THD	< 20% under 120~277Vac input with 80~100% Load Condition (for all output currents)
Load Regulation	± 2%
Line Regulation	± 1%
Voltage Tolerance	± 5% at full load condition
Turn-On Delay Time	< 0.75s at full load condition
Overshoot	< 10% at full load condition
No Load Power Consumption	< 2W
Ripple and Noise (pk-pk)	< 10%
Withstand Voltage	Input to output, 2,800Vdc, 2mA
Leakage Current	Maximum 0.5mA at 277Vac, 60Hz input
Protection	<ul style="list-style-type: none"> • Over Voltage Protection: Hiccup mode. Protection will trigger when load voltage exceeds specified output voltage and will auto recover after the fault mode is removed. • Over Current Protection: Hiccup mode. Protection will trigger when load current exceeds specified output current and will auto recover after the fault mode is removed. • Short Circuit Protection: Hiccup mode. Protection will trigger when short circuited and will auto recover after the fault mode is removed.

PRODUCT SPECIFICATIONS

Catalog Number	Max. Output Power	Output Current	Output Voltage	OCV	Typical Efficiency at 120V	Typical Efficiency at 240V	Typical Efficiency at 277V	Remote Mounting Distance (#18 AWG)	Class 2	
									US	Canada
KTLD-25-UV-700-VDIM-L9	25W	700mA	18-36V	40V	80%	81%	81%	54 ft	✓	✓
KTLD-25-UV-800-VDIM-L9	25W	800mA	16-32V	36V	80%	81%	81%	48 ft	✓	✓
KTLD-25-UV-900-VDIM-L9	25W	900mA	14-28V	32V	80%	81%	81%	42 ft	✓	✓
KTLD-25-UV-1000-VDIM-L9	25W	1000mA	12-25V	29V	80%	81%	81%	38 ft	✓	✓
KTLD-25-UV-1100-VDIM-L9	25W	1100mA	12-23V	27V	80%	81%	81%	34 ft	✓	✓
KTLD-25-UV-1200-VDIM-L9	25W	1200mA	12-21V	25V	80%	81%	81%	32 ft	✓	✓
KTLD-25-UV-1300-VDIM-L9	25W	1300mA	12-19V	23V	80%	81%	81%	29 ft	✓	✓
KTLD-25-UV-1400-VDIM-L9	25W	1400mA	12-18V	22V	80%	81%	81%	27 ft	✓	✓



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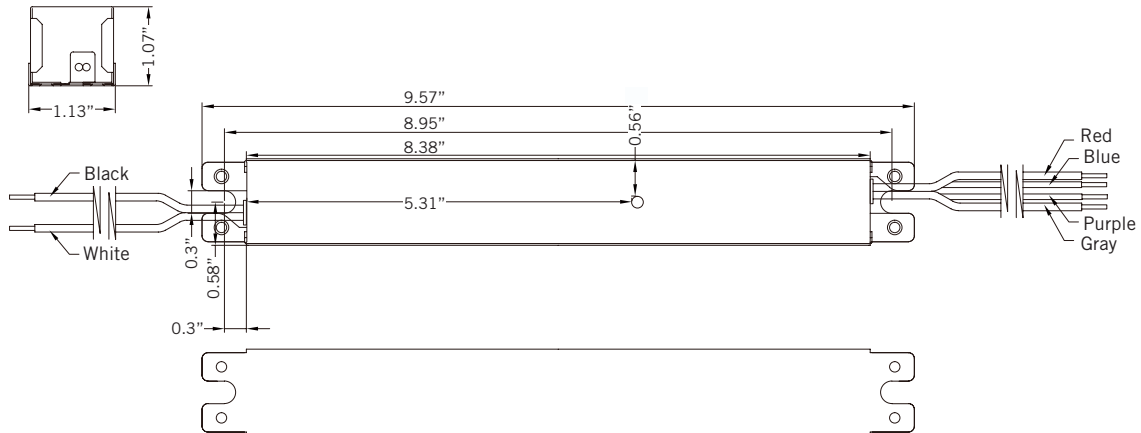
ENVIRONMENTAL SPECIFICATIONS

Operating Temperature	-40 to 60°C
Storage Temperature	-40 to 85°C
Humidity	5% to 95%
MTBF	440,000 hours at 40°C ambient (~70°C Case temp)
Life Rating	76,000 hours at 120Vac input, 100% load and 60°C case temperature
Maximum Case Temperature	90°C

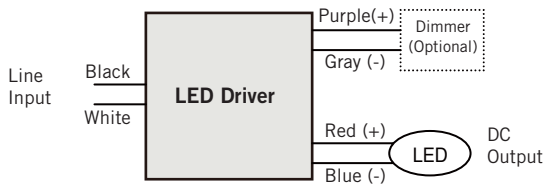
SAFETY AND EMC COMPLIANCE

UL/cUL	UL 8750
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

PHYSICAL SPECIFICATIONS



WIRING DIAGRAM



WIRING SPECIFICATIONS

INPUT	12", UL 1316 #18AWG (black and white)
OUTPUT	12", UL 1316 #18AWG (red and blue)

ORDERING INFORMATION

ORDER CODE	PACKAGING STYLE	PACK QTY.	ITEM STATUS
KTLD-25-UV-XXX-L9	Carton Pack	50	Quick Ship

CATALOG NUMBER BREAKDOWN

KTLD-25-UV-XXX-VDIM-L9

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- 1 Keystone Technologies LED Driver
- 2 Max. Output Wattage
- 3 120-277V Input
- 4 Output Current
- 5 0-10 Dimming
- 6 Case Style