



KTLD-60-UVN-12V-SC1

CONSTANT VOLTAGE LED DRIVER

DESCRIPTION

LED Driver | 60W | 120–277Vac Input | 12V Output



TOTAL POWER: 60W
INPUT VOLTAGE: 120–277Vac $\pm 10\%$
INPUT FREQUENCY: 50/60 Hz
OUTPUT VOLTAGE: 12V
DIMMING: Fixed Output
WARRANTY: 5 Years
LOCATION: Suitable for dry and damp locations



ELECTRICAL SPECIFICATIONS

Input voltage range	120–277Vac $\pm 10\%$
Frequency	50/60Hz
Power factor	> 0.5 @120Vac at full load condition
Max input current	1.2A @120V, 0.7A @277V
THD	≤ 200 under 120/277Vac input with 80~100% load condition
Output tolerance	$\pm 5\%$ at full load condition
Turn-on Delay Time	$\leq 1.0s$ at full load condition
Leakage current	$< 500 \mu A$ @120V, $< 750 \mu A$ @277V
Protection	<p>Short circuit and over current protection: Protected against short circuit such that a short from any output to return shall not result in a fire hazard or shock hazard. The driver shall hiccup as a result of a short circuit or over current fault. Removal of the fault will return the driver to within normal operation. The driver shall recover, with no damage, from a short across the output for an indefinite period of time.</p> <p>Internal over temperature protection: Equipped with an internal temperature sensor on the primary power train. Failure to stay within the convection power rating will cause the driver to shut down. The main output current will be resumed when the temperature of the built-in temperature sensor cools adequately.</p>

ENVIRONMENTAL SPECIFICATIONS

Operating temperature	$-40^{\circ}C/-40^{\circ}F$ to $55^{\circ}C/131^{\circ}F$
MTBF	475,000 hours, as per Telcordia SR0332
Life rating	50,000 hours at $T_c \leq 75^{\circ}C/167^{\circ}F$ max. case hot spot temp.
Maximum case temperature	$85^{\circ}C/185^{\circ}F$

SAFETY AND EMC COMPLIANCE

UL/cUL*	UL 8750, Class P, Class 2, Type HL
FCC, 47CFR Part 15	Meets Class A (non-consumer limits)

PRODUCT SPECIFICATIONS

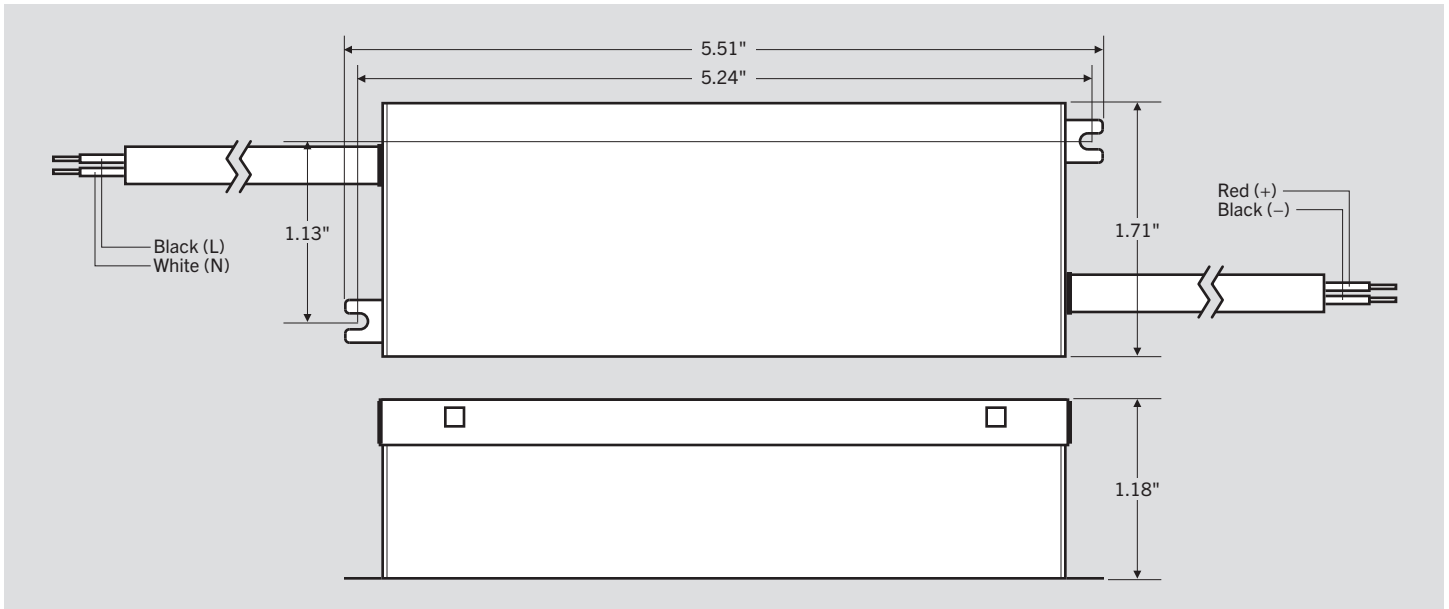
Catalog Number	Max. Output Power	Output Current	Output Voltage	OCV	Typical Efficiency at Full Load	Class 2	
						US	Canada
KTLD-60-UVN-12V-SC1	60W	5A	12V	12.8V	84%	✓	✓



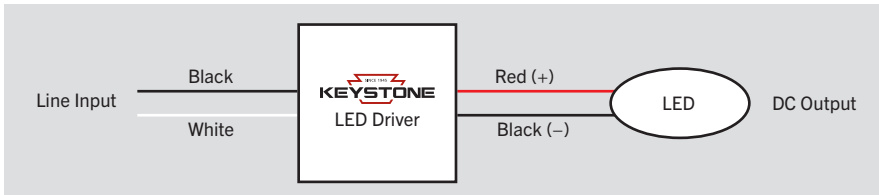
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DIMENSIONS AND WIRING SPECIFICATIONS



WIRING DIAGRAM



WIRING SPECIFICATIONS

Input	Black	12.5", UL 1316 #18AWG Stranded
	White	12.5", UL 1316 #18AWG Stranded
Output	Red	12.5", UL 1316 #18AWG Stranded
	Black	12.5", UL 1316 #18AWG Stranded

ORDERING INFORMATION

ORDER CODE	PACKAGING STYLE	PACK QTY.	ITEM STATUS
KTLD-60-UVN-12V-SC1-CP	Carton Pack	10	Quick Ship

CATALOG NUMBER BREAKDOWN

KTLD-60-UVN-12V-SC1-CP

1 2 3 4 5 6 7

- 1 Keystone Technologies LED Driver
- 2 Max. Output Wattage
- 3 120-277V Input
- 4 Normal Power Factor
- 5 Output Voltage
- 6 Slim Case
- 7 Packaging Style