



KTLD-14-1-XXX-FDIM-AF1

CONSTANT CURRENT LED DRIVER



DESCRIPTION

LED Driver | 14W | 120V Input | 260–800mA Output

TOTAL POWER: 14W	OUTPUT CURRENT: 260–800mA
INPUT VOLTAGE: 120Vac $\pm 10\%$	DIMMING: Dimmable with leading/trailing edge dimmer
INPUT FREQUENCY: 60 Hz	WARRANTY: 5 Years
NUMBER OF OUTPUTS: 1	LOCATION: Suitable for dry and damp locations

ELECTRICAL SPECIFICATIONS

Input Voltage Range	120Vac $\pm 10\%$
Frequency	60 Hz
Power Factor	>0.9 under 120Vac input with 80~100% load condition (for all output currents)
Inrush Current	20A @230V
Max. Input Current	0.17A @120V
THD	<20% under 120Vac input with 80~100% load condition (for all output currents)
Load Regulation	$\pm 2\%$
Line Regulation	$\pm 1\%$
Voltage Tolerance	$\pm 5\%$ at full load condition
Turn-On Delay Time	<0.75 seconds at full load condition
Overshoot	<10% at full load condition
No Load Power Consumption	<1W
Withstand Voltage	Input to output, 2800Vdc, 2mA
Leakage Current	Maximum 0.5mA at 120Vac, 60Hz input
Protection	• 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 circuit and will auto recover after the fault mode is removed. • Over Temperature Protection: Protection will trigger when driver overheat and auto-recover when cooled down.

PRODUCT SPECIFICATIONS

Catalog Number	Max. Output Power	Output Current	Output Voltage	OCV	Typical Efficiency at 120V	Remote Mounting Distance (#18 AWG)	Class 2	
							US	Canada
KTLD-14-1-260-FDIM-AF1	14W	260mA	14–54V	60V	79%	147 ft	✓	
KTLD-14-1-280-FDIM-AF1	14W	280mA	13–50V	55V	79%	138 ft	✓	
KTLD-14-1-300-FDIM-AF1	14W	300mA	12–47V	51V	79%	128 ft	✓	
KTLD-14-1-350-FDIM-AF1	14W	350mA	10–40V	44V	79%	109 ft	✓	✓
KTLD-14-1-380-FDIM-AF1	14W	380mA	9–37V	41V	79%	101 ft	✓	✓
KTLD-14-1-400-FDIM-AF1	14W	400mA	9–35V	39V	79%	96 ft	✓	✓
KTLD-14-1-500-FDIM-AF1	14W	500mA	8–28V	44V	79%	76 ft	✓	✓
KTLD-14-1-600-FDIM-AF1	14W	600mA	8–23V	27V	79%	64 ft	✓	✓
KTLD-14-1-700-FDIM-AF1	14W	700mA	8–20V	24V	79%	54 ft	✓	✓
KTLD-14-1-800-FDIM-AF1	14W	800mA	8–18V	22V	79%	48 ft	✓	✓



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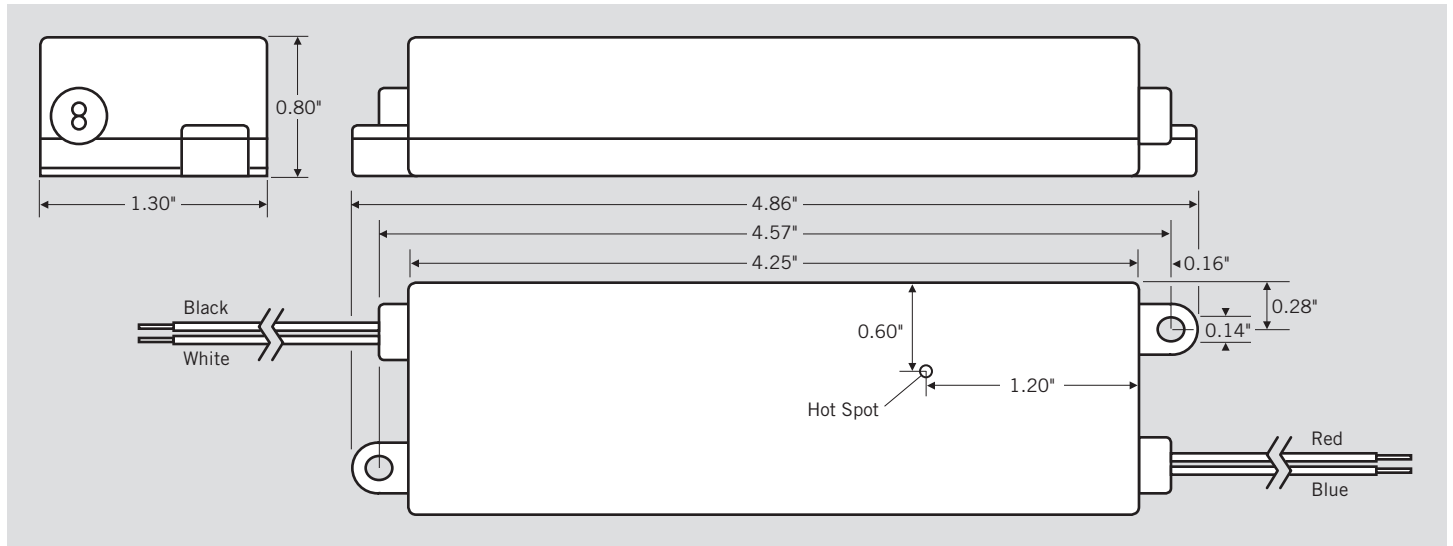
ENVIRONMENTAL SPECIFICATIONS

Operating temperature	-40°C/-40°F to 60°C/140°F
Storage temperature	-40°C/-40°F to 85°C/185°F
Humidity	5% to 95%
MTBF	570,000 hours at 40°C/104°F ambient (~70°C/~158°F case temp)
Life rating	80,000 hours at 120Vac input, 100% load and 60°C/140°F case temp
Maximum case temperature	90°C/194°F

SAFETY AND EMC COMPLIANCE

UL/cUL	UL 8750, 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

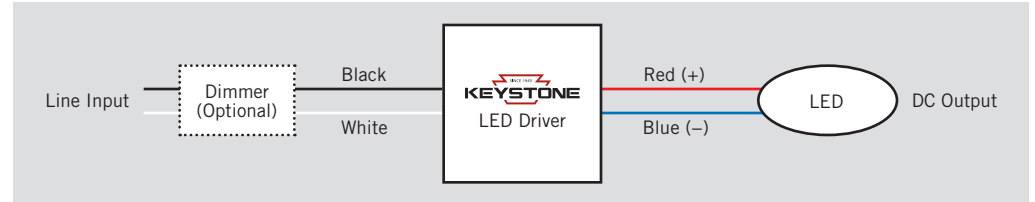
PHYSICAL SPECIFICATIONS



WIRING SPECIFICATIONS

Input	Black, White: 12", UL1316 #18AWG
Output	Red, Blue: 12", UL1316 #18AWG

WIRING DIAGRAM



ORDERING INFORMATION

ORDER CODE	PACKAGING STYLE	PACK QUANTITY	ITEM STATUS
KTLD-14-1-XXX-FDIM-AF1-CP	Carton Pack	TBD	Quick Ship

CATALOG NUMBER BREAKDOWN

KTLD-14-1-XXX-FDIM-AF1-CP

1	2	3	4	5	6	7
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- 1 Keystone Technologies LED Driver
- 2 Max. Output Wattage
- 3 120V Input
- 4 Output Current
- 5 Phase Dimming
- 6 Case Style
- 7 Packaging Style