



KTLD-22-1-XXX-FDIM-AK1

CONSTANT CURRENT LED DRIVER



DESCRIPTION

LED Driver | 22W | 120V Input | 220-1200mA Output

TOTAL POWER: 22W	OUTPUT CURRENT: 220-1200mA
INPUT VOLTAGE: 120Vac $\pm$ 10%	LOCATION: Dry and damp locations
DIMMING: Phase Dimming	WARRANTY: 5 Years

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	7A @120V
Max. Input Current	0.25A @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	< .75s at Full Load Condition
Overshoot	< 10% at Full Load Condition
No Load Power Consumption	< 1W
Withstand Voltage	Input to output, 2,800Vdc, 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 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	Remote Mounting Distance (#18 AWG)	Class 2	
							US	Canada
KTLD-22-1-220-FDIM-AK1	22W	220mA	33-100V	110V	82%	174 ft		
KTLD-22-1-300-FDIM-AK1	22W	300mA	24-73V	80V	82%	128 ft		
KTLD-22-1-350-FDIM-AK1	22W	350mA	21-63V	70V	82%	109 ft		
KTLD-22-1-400-FDIM-AK1	22W	400mA	18-54V	60V	82%	96 ft	✓	
KTLD-22-1-500-FDIM-AK1	22W	500mA	10-40V	45V	82%	76 ft	✓	✓
KTLD-22-1-600-FDIM-AK1	22W	600mA	12-36V	40V	82%	64 ft	✓	✓
KTLD-22-1-650-FDIM-AK1	22W	650mA	11-34V	38V	81%	59 ft	✓	✓
KTLD-22-1-700-FDIM-AK1	22W	700mA	10-32V	36V	81%	54 ft	✓	✓
KTLD-22-1-800-FDIM-AK1	22W	800mA	10-28V	32V	81%	48 ft	✓	✓
KTLD-22-1-900-FDIM-AK1	22W	900mA	10-24V	28V	81%	42 ft	✓	✓
KTLD-22-1-1000-FDIM-AK1	22W	1000mA	10-22V	26V	81%	38 ft	✓	✓
KTLD-22-1-1100-FDIM-AK1	22W	1100mA	10-20V	24V	81%	34 ft	✓	✓
KTLD-22-1-1200-FDIM-AK1	22W	1200mA	10-19V	23V	81%	32 ft	✓	✓



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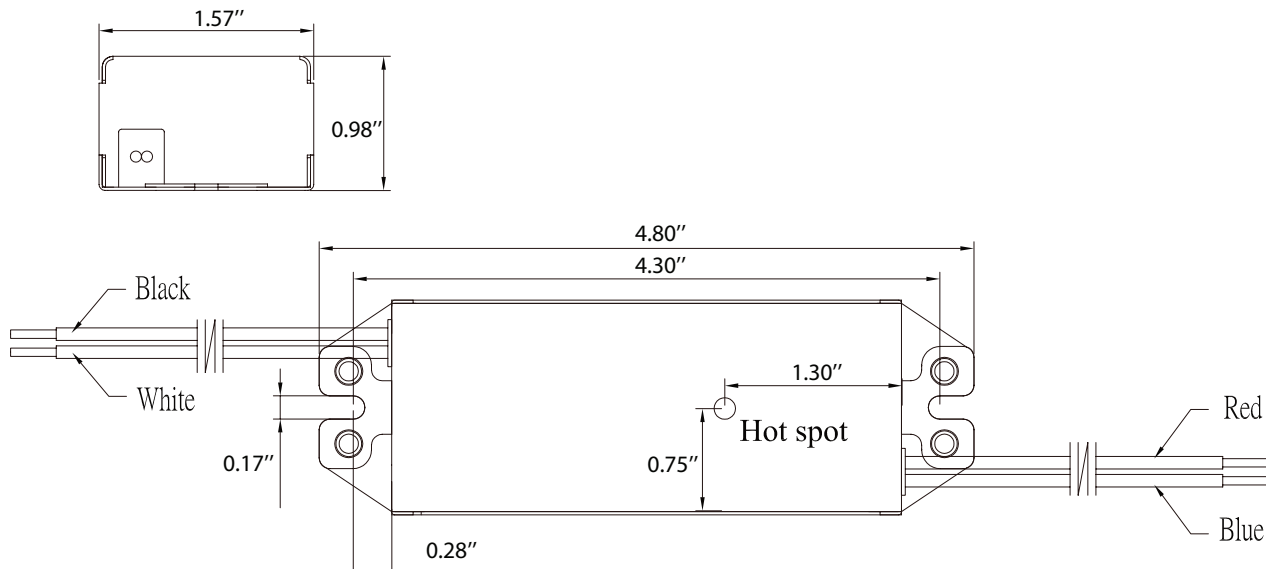
ENVIRONMENTAL SPECIFICATIONS

Operating Temperature	-40 to 60°C
Storage Temperature	-40 to 85°C
Humidity	5% to 95%
MTBF	376,000 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

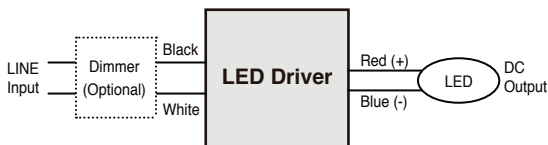
SAFETY AND EMC COMPLIANCE

UL/cUL	UL 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 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-22-1-XXX-FDIM-AK1-CP	Carton Pack	60	Quick Ship

CATALOG NUMBER BREAKDOWN

KTLD-22-1-XXX-FDIM-AK1-CP

Keystone Technologies LED Driver	Max. Output Wattage	120V Input	Output Current	Phase Dimming	Case Style	Packaging Style
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