



KTLD-36-1-XXX-FDIM-AF6

CONSTANT CURRENT LED DRIVER

DESCRIPTION

LED Driver | 36W | 120V Input | 1000-2000mA Output



TOTAL POWER: 36W	OUTPUT CURRENT: 1000-2000mA
INPUT VOLTAGE: 120Vac $\pm$ 10%	DIMMING: Forward Phase Dimming
INPUT FREQUENCY: 50/60 Hz	WARRANTY: 5 Years

ELECTRICAL SPECIFICATIONS

Input Voltage Range	120Vac $\pm$ 10%
Frequency	60Hz
Power Factor	> 0.9 under 120Vac input with 80~100% load condition (For All Output Currents)
Inrush Current	10A @120V
Max. Input Current	0.44A @120V
THD	< 20% under 120Vac 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	< 0.5s at Full Load Condition
Overshoot	< 10% at Full Load Condition
No Load Power Consumption	< 0.5W
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 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.

PRODUCT SPECIFICATIONS

Catalog Number	Max. Output Power	Output Current	Output Voltage	OCV	Typical Efficiency at 120V	Remote Mounting Distance (#18AWG)	Class 2	
							US	Canada
KTLD-36-1-1000-FDIM-AF6	36W	1000mA	18-36V	46V	83%	37 ft	✓	✓
KTLD-36-1-1100-FDIM-AF6	36W	1100mA	18-33V	42V	83%	34 ft	✓	✓
KTLD-36-1-1200-FDIM-AF6	36W	1200mA	18-30V	39V	83%	31 ft	✓	✓
KTLD-36-1-1300-FDIM-AF6	36W	1300mA	13-28V	37V	83%	28 ft	✓	✓
KTLD-36-1-1400-FDIM-AF6	36W	1400mA	13-26V	34V	82%	26 ft	✓	✓
KTLD-36-1-1500-FDIM-AF6	36W	1500mA	12-24V	32V	82%	24 ft	✓	✓
KTLD-36-1-1600-FDIM-AF6	36W	1600mA	12-22.5V	30V	82%	23 ft	✓	✓
KTLD-36-1-1700-FDIM-AF6	36W	1700mA	11-21V	28V	82%	22 ft	✓	✓
KTLD-36-1-1800-FDIM-AF6	36W	1800mA	10-20V	27V	81%	20 ft	✓	✓
KTLD-36-1-1900-FDIM-AF6	36W	1900mA	10-19V	26V	81%	19 ft	✓	✓
KTLD-36-1-2000-FDIM-AF6	36W	2000mA	10-18V	25V	81%	18 ft	✓	✓

ENVIRONMENTAL SPECIFICATIONS

Operating Temperature	-40 to 60°C
Storage Temperature	-40 to 85°C
Humidity	5% to 95%
MTBF	381,000 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

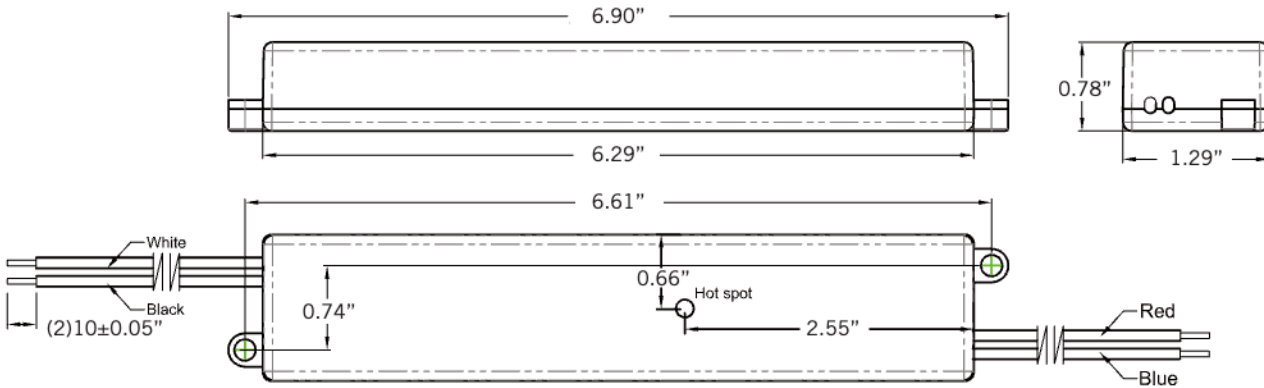
UL/cUL	UL 8750, Type HL
CE	EN61347-1, EN61347-2-13
FCC, 47CFR Part 15	ANSI C63.4:2009 Class B (Consumer Limit)
EN61000-3-2	Harmonic Current Emissions Class C



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PHYSICAL SPECIFICATIONS



WIRING DIAGRAM



WIRING SPECIFICATIONS

INPUT	12", UL 1569 #18AWG (Black and White)
OUTPUT	12", UL 1569 #18AWG (Red and Blue)

ORDERING INFORMATION

ORDER CODE	PACKAGING STYLE	PACK QTY.	ITEM STATUS
KTLD-36-1-XXX-FDIM-AF6-CP	Carton Pack	TBD	Quick Ship

CATALOG NUMBER BREAKDOWN

KTLD-36-1-XXX-FDIM-AF6-CP

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