



# KTLD-36-1-XXX-FDIM-AF6

## CONSTANT CURRENT LED DRIVER

### DESCRIPTION

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



<b>TOTAL POWER:</b> 36W	<b>OUTPUT CURRENT:</b> 1000-2000mA
<b>INPUT VOLTAGE:</b> 120Vac $\pm$ 10%	<b>DIMMING:</b> Forward Phase Dimming
<b>INPUT FREQUENCY:</b> 50/60 Hz	<b>WARRANTY:</b> 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	<p><b>Over voltage protection:</b> Hiccup mode. Protection will trigger when load voltage exceed specified output voltage and will auto recover after the fault mode is removed.</p> <p><b>Over current protection:</b> Hiccup mode. Protection will trigger when load current exceed specified output current and will auto recover after the fault mode is removed.</p> <p><b>Short circuit protection:</b> Hiccup mode. Protection will trigger when short circuit and will auto recover after the fault mode is removed.</p>

### 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

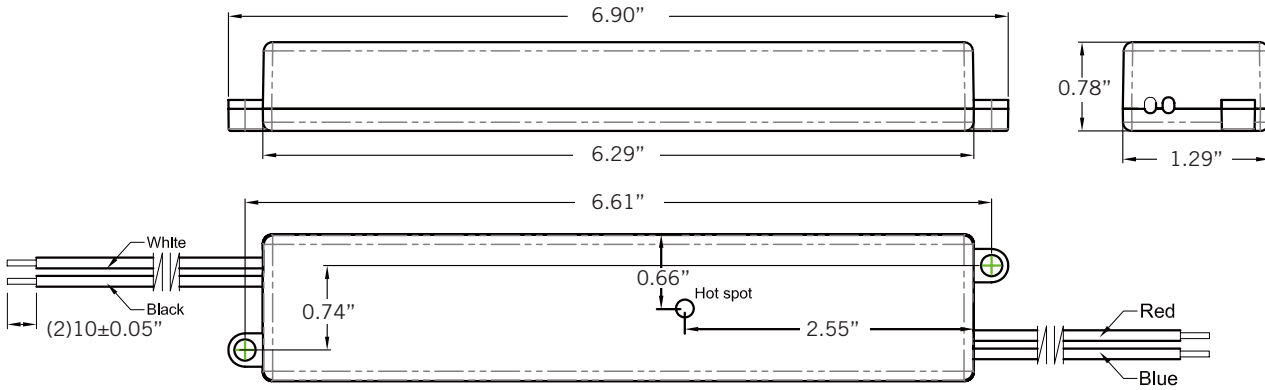
UL/cUL	UL 8750, Type HL
CE	EN61347-1, EN61347-2-13
FCC, 47CFR Part 15	ANSI C63.4:2009 Class B (Consumer Limit)
EN61000-3-2	Harmonic Current Emissions Class C



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### PHYSICAL SPECIFICATIONS



### WIRING DIAGRAM



### WIRING SPECIFICATIONS

<b>INPUT</b>	12", UL 1569 #18AWG (Black and White)
<b>OUTPUT</b>	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

