



# KTLD-36-UV-XXX-VDIM-AF6

## CONSTANT CURRENT LED DRIVER



### DESCRIPTION

LED Driver | 36W | 120-277V Input | 640-1500mA Output

<b>TOTAL POWER:</b> 36W	<b>OUTPUT CURRENT:</b> 640-1500mA
<b>INPUT VOLTAGE:</b> 120~277Vac $\pm$ 10%	<b>DIMMING:</b> 0-10V
<b>INPUT FREQUENCY:</b> 50/60 Hz	<b>WARRANTY:</b> 5 Years

### ELECTRICAL SPECIFICATIONS

<b>Input Voltage Range</b>	120~277Vac $\pm$ 10%
<b>Frequency</b>	50/60 Hz
<b>Power Factor</b>	> 0.9 under 120~277Vac input with 80~100% load condition (For All Output Currents)
<b>Inrush Current</b>	10A @120V
<b>Max. Input Current</b>	0.42A @120V, 0.22A @240V and 0.19A @277V
<b>THD</b>	< 20% under 120~277Vac input with 80~100% load condition (For All Output Currents)
<b>Load Regulation</b>	$\pm$ 2%
<b>Line Regulation</b>	$\pm$ 1%
<b>Output Tolerance</b>	$\pm$ 5% at Full Load Condition
<b>Turn-On Delay Time</b>	< 0.75s at Full Load Condition
<b>Overshoot</b>	< 10% at Full Load Condition
<b>No Load Power Consumption</b>	< 2W
<b>Ripple &amp; Noise (pk-pk)</b>	< 10%
<b>Withstand Voltage</b>	Input to output, 2,800Vdc, 2mA
<b>Leakage Current</b>	Maximum 0.5mA at 277Vac, 60Hz input
<b>Protection</b>	<ul style="list-style-type: none"> <li>• <b>Over Voltage Protection:</b> Hiccup mode. Protection will trigger when load voltage exceeds specified output voltage and will auto recover after the fault mode is removed.</li> <li>• <b>Over Current Protection:</b> Hiccup mode. Protection will trigger when load current exceeds specified output current and will auto recover after the fault mode is removed.</li> <li>• <b>Short Circuit Protection:</b> Hiccup mode. Protection will trigger when short circuited and will auto recover after the fault mode is removed.</li> </ul>

### PRODUCT SPECIFICATIONS

Catalog Number	Max. Output Power	Output Current	Output Voltage	OCV	Typical Efficiency at 120V	Typical Efficiency at 240V	Typical Efficiency at 277V	Remote Mounting Distance (#18 AWG)	Class 2	
									US	Canada
KTLD-36-UV-640-VDIM-AF6	36W	640mA	28-56V	62V	85%	86%	85%	23 ft	✓	
KTLD-36-UV-700-VDIM-AF6	36W	700mA	26-51V	57V	85%	86%	85%	21 ft	✓	
KTLD-36-UV-800-VDIM-AF6	36W	800mA	23-45V	51V	85%	86%	85%	18 ft	✓	
KTLD-36-UV-900-VDIM-AF6	36W	900mA	20-40V	46V	85%	86%	85%	16 ft	✓	✓
KTLD-36-UV-1000-VDIM-AF6	36W	1000mA	18-36V	42V	85%	86%	85%	14 ft	✓	✓
KTLD-36-UV-1100-VDIM-AF6	36W	1100mA	17-33V	38V	85%	85%	85%	13 ft	✓	✓
KTLD-36-UV-1200-VDIM-AF6	36W	1200mA	15-30V	35V	85%	85%	85%	12 ft	✓	✓
KTLD-36-UV-1300-VDIM-AF6	36W	1300mA	14-28V	33V	85%	85%	85%	11 ft	✓	✓
KTLD-36-UV-1400-VDIM-AF6	36W	1400mA	13-26V	31V	85%	85%	85%	10 ft	✓	✓
KTLD-36-UV-1500-VDIM-AF6	36W	1500mA	12-24V	29V	85%	85%	85%	9 ft	✓	✓



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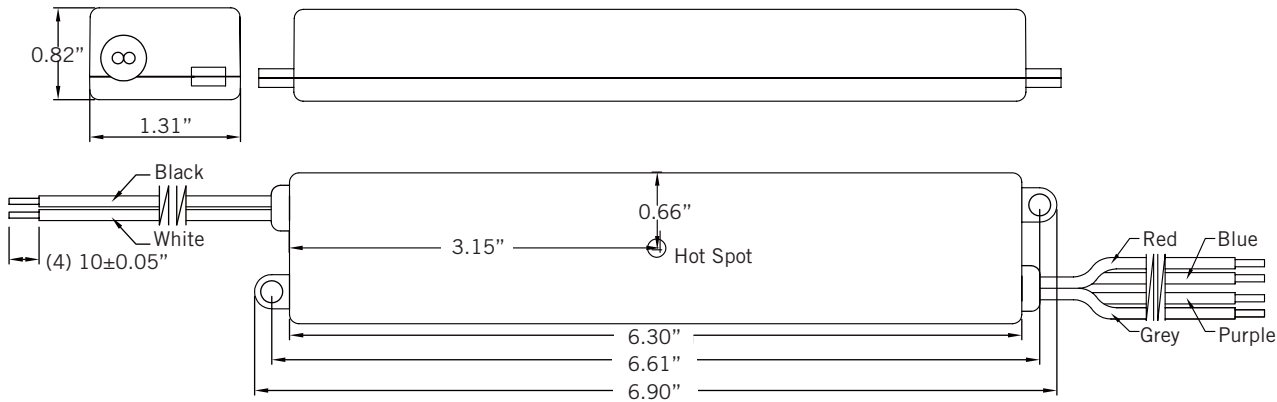
### ENVIRONMENTAL SPECIFICATIONS

Operating Temperature	-40 to 60°C
Storage Temperature	-40 to 85°C
Humidity	5% to 95%
MTBF	301,000 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

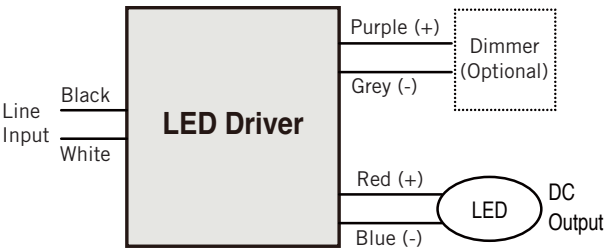
### SAFETY AND EMC COMPLIANCE

UL/cUL	UL 8750, Class P, 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

<b>INPUT</b>	12", UL 1569 #18AWG (Black and White)
<b>OUTPUT</b>	12", UL 1316/1430 #22AWG (with Class 2 output) (Red and Blue)

### ORDERING INFORMATION

ORDER CODE	PACKAGING STYLE	PACK QTY.	ITEM STATUS
KTLD-36-UV-XXX-VDIM-AF6	Carton Pack	TBD	Quick Ship

### CATALOG NUMBER BREAKDOWN

