



KTLD-25-UV-XXX-VDIM-AF6

CONSTANT CURRENT LED DRIVER

DESCRIPTION

LED Driver | 25W | 120-277V Input | 350-1050mA Output



TOTAL POWER: 25W	OUTPUT CURRENT: 350-1050mA
INPUT VOLTAGE: 120~277Vac ± 10%	DIMMING: 0-10V
INPUT FREQUENCY: 50/60 Hz	WARRANTY: 5 Years

ELECTRICAL SPECIFICATIONS

Input Voltage Range	120~277Vac ± 10%
Frequency	50/60Hz
Power Factor	> 0.9 under 120~277Vac input with 80~100% load condition (For All Output Currents)
Inrush Current	10A @120V
Max. Input Current	0.29A @120V, 0.15A @240V and 0.13A @277V
THD	< 20% under 120~277Vac input with 80~100% load condition (For All Output Currents)
Load Regulation	± 2%
Line Regulation	± 1%
Output Tolerance	± 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	< 1.5W
Ripple & Noise (pk-pk)	< 10%
Withstand Voltage	Input to output, 2,800Vdc, 2mA
Leakage Current	Maximum 0.5mA at 277Vac, 60Hz input
Protection	<p>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.</p> <p>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.</p> <p>Short circuit protection: 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	Typical Efficiency at 240V	Typical Efficiency at 277V	Remote Mounting Distance (#18AWG)	Class 2	
									US	Canada
KTLD-25-UV-350-VDIM-AF6	25W	350mA	36-71V	78V	85%	84%	84%	109 ft		
KTLD-25-UV-400-VDIM-AF6	25W	400mA	31-63V	70V	85%	84%	84%	96 ft		
KTLD-25-UV-500-VDIM-AF6	25W	500mA	25-50V	55V	85%	84%	84%	76 ft	✓	
KTLD-25-UV-600-VDIM-AF6	25W	600mA	21-42V	46V	85%	84%	84%	64 ft	✓	✓
KTLD-25-UV-700-VDIM-AF6	25W	700mA	18-36V	40V	85%	84%	84%	54 ft	✓	✓
KTLD-25-UV-800-VDIM-AF6	25W	800mA	16-32V	36V	85%	84%	84%	48 ft	✓	✓
KTLD-25-UV-900-VDIM-AF6	25W	900mA	14-28V	42V	85%	84%	84%	42 ft	✓	✓
KTLD-25-UV-1000-VDIM-AF6	25W	1000mA	12-25V	29V	85%	84%	84%	38 ft	✓	✓
KTLD-25-UV-1050-VDIM-AF6	25W	1050mA	12-24V	28V	85%	84%	84%	36 ft	✓	✓

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

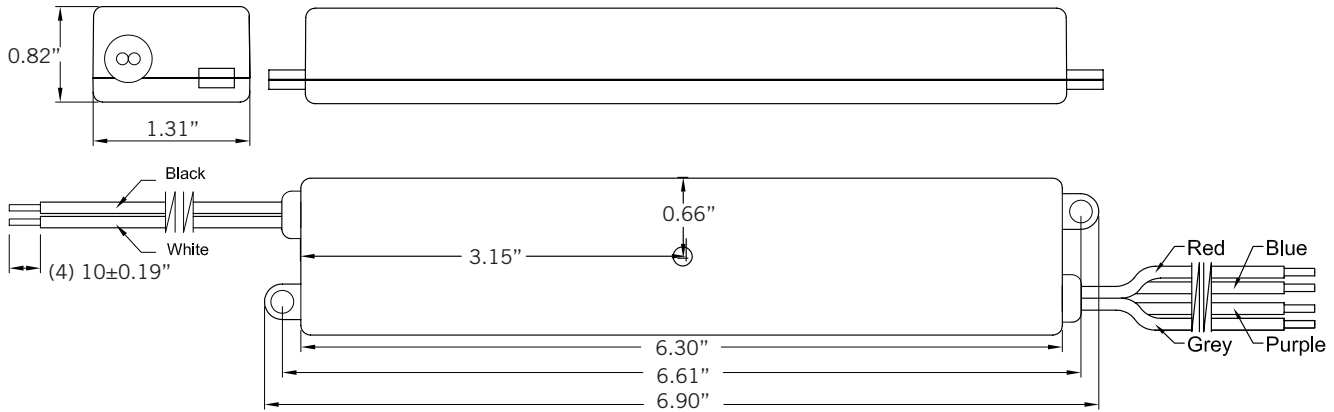
UL/cUL	UL 8750, Class P, Type HL
CE	EN61347-1, EN61347-2-13
FCC, 47CFR Part 15	ANSI C63.4:2009 Class B (Consumer Limit)
EN61000-3-2	Harmonic Current Emissions Class C



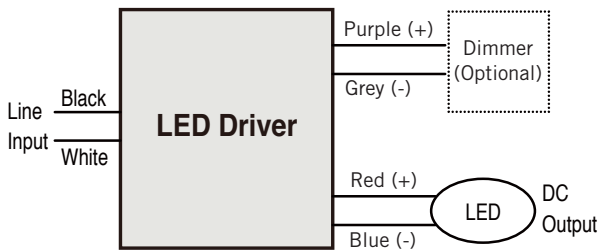
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PHYSICAL SPECIFICATIONS



WIRING DIAGRAM



WIRING SPECIFICATIONS

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

ORDERING INFORMATION

ORDER CODE	PACKAGING STYLE	PACK QTY.	ITEM STATUS
KTLD-25-UV-XXX-VDIM-AF6-CP	Carton Pack	TBD	Quick Ship

CATALOG NUMBER BREAKDOWN

KTLD-25-UV-XXX-VDIM-AF6-CP

