



KTLD-12-UV-XXX-VDIM-AF1

CONSTANT CURRENT LED DRIVER

DESCRIPTION



LED Driver | 12W | 120-277V Input | 280-350mA Output

TOTAL POWER: 12W	OUTPUT CURRENT: 280-350mA
INPUT VOLTAGE: 120~277Vac \pm 10%	DIMMING: 0-10V
INPUT FREQUENCY: 50/60 Hz	WARRANTY: 5 Years
LOCATION: Suitable for Dry and Damp locations	

ELECTRICAL SPECIFICATIONS

Input Voltage Range	120~277Vac \pm 10%
Frequency	50/60Hz
Power Factor	> 0.9 under 120~277Vac input with 80~100% load condition (For All Output Voltage)
Inrush Current	10A @120V
Max. Input Current	0.17A @120V, 0.09A @240V and 0.08A @277V
THD	< 20% under 120~277Vac input with 80~100% load condition (For All Output Voltage)
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	< 1W
Ripple & Noise (pk-pk)	< 10%
Withstand Voltage	Input to output, 2,800Vdc, 2mA
Leakage Current	Maximum 0.5mA at 277Vac, 60Hz input
Protection	<ul style="list-style-type: none"> • 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.

ENVIRONMENTAL SPECIFICATIONS

Operating Temperature	-40 to 60°C
Storage Temperature	-40 to 85°C
Humidity	5% to 95%
MTBF	570,000 hours at 40°C ambient (~70°C Case temp)
Life Rating	80,000 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

PRODUCT SPECIFICATIONS

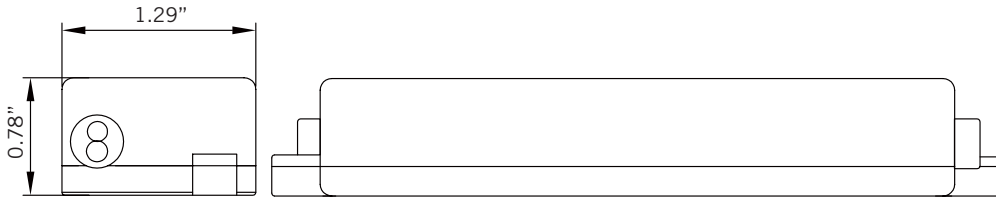
Catalog Number	Max. Output Power	Output Current	Output Voltage	OCV	Typical Efficiency at 120V	Typical Efficiency at 240V	Typical Efficiency at 277V	Remote Mounting Distance (#22 AWG)	Class 2	
									US	Canada
KTLD-12-UV-280-VDIM-AF1	12W	280mA	14-42V	45V	82%	78%	78%	52 ft	✓	✓
KTLD-12-UV-350-VDIM-AF1	12W	350mA	14-34V	37V	83%	79%	78%	42 ft	✓	✓



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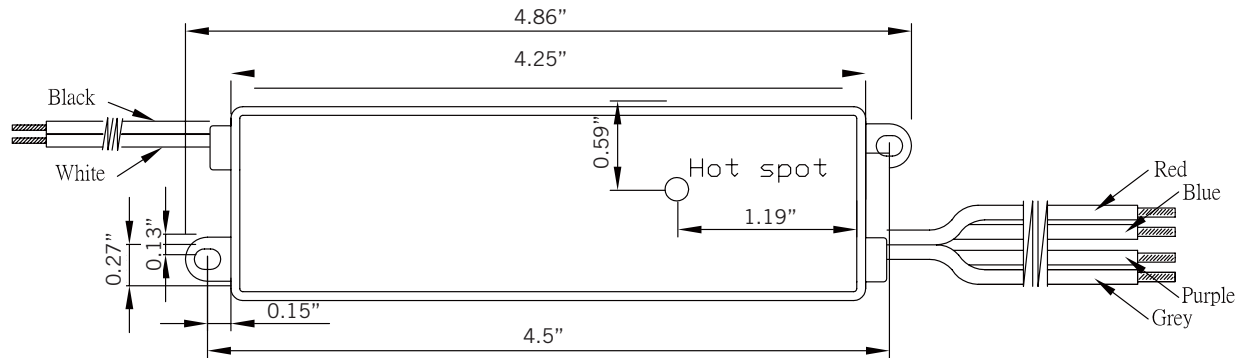
PHYSICAL SPECIFICATIONS



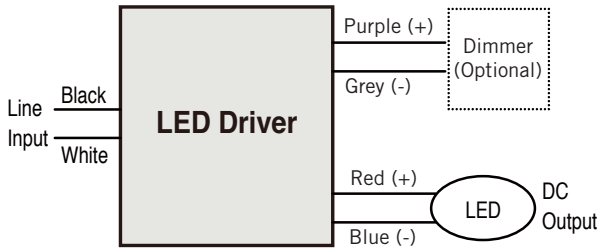
PHYSICAL DIMENSIONS

Length	4.86"
Width	1.30"
Height	0.79"
Mounting	4.57"

CASE MATERIAL: Plastic



WIRING DIAGRAM



WIRING SPECIFICATIONS

INPUT	12", UL 1316 #18AWG (Black and White)
OUTPUT	12", UL 1430 #22AWG (Red and Blue)
DIMMING	12", UL 1430 #22AWG (Purple and Grey)

ORDERING INFORMATION

ORDER CODE	PACKAGING STYLE	PACK QTY.	ITEM STATUS
KTLD-12-UV-XXX-VDIM-AF1-CP	Carton Pack	TBD	Quick Ship

CATALOG NUMBER BREAKDOWN

