



KTLD-100-UV-PS1800-54-VDIM-LM2

CONSTANT CURRENT LED DRIVER



DESCRIPTION

LED Driver | 100W | 120-277V Input | 1500, 1600, 1700 or 1800mA Output

TOTAL POWER: 100W
INPUT VOLTAGE: 120~277Vac \pm 10%
INPUT FREQUENCY: 50/60 Hz
OUTPUT CURRENT: 1500, 1600, 1700 or 1800mA
DIMMING: 0-10V
WARRANTY: 5 Years



ELECTRICAL SPECIFICATIONS

Input Voltage Range	120~277Vac \pm 10%
Frequency	50/60 Hz
Power Factor	> 0.9 under 120~277Vac input with 80~100% load condition (For All Output Currents)
Inrush Current	TBD
Max. Input Current	TBD
THD	< 20% under 120~277Vac input with 80~100% load condition (For All Output Currents)
Load Regulation	\pm 2%
Line Regulation	\pm 2%
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	< 2W
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.

PRODUCT SPECIFICATIONS

Catalog Number	Max. Output Power	Nominal Watt-age	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-100-UV-PS1800-54-VDIM-LM2	100W	97W	1500mA	30-54V	60V	TBD	TBD	TBD	20 ft	✓	
			1600mA								
			1700mA								
			1800mA								

ENVIRONMENTAL SPECIFICATIONS

Operating Temperature	-40°C/-40°F to 60°C/140°F
Storage Temperature	-40°C/-40°F to 85°C/185°F
Humidity	5% to 95%
MTBF	TBD
Life Rating	TBD
Maximum Case Temperature	90°/194°F

SAFETY AND EMC COMPLIANCE

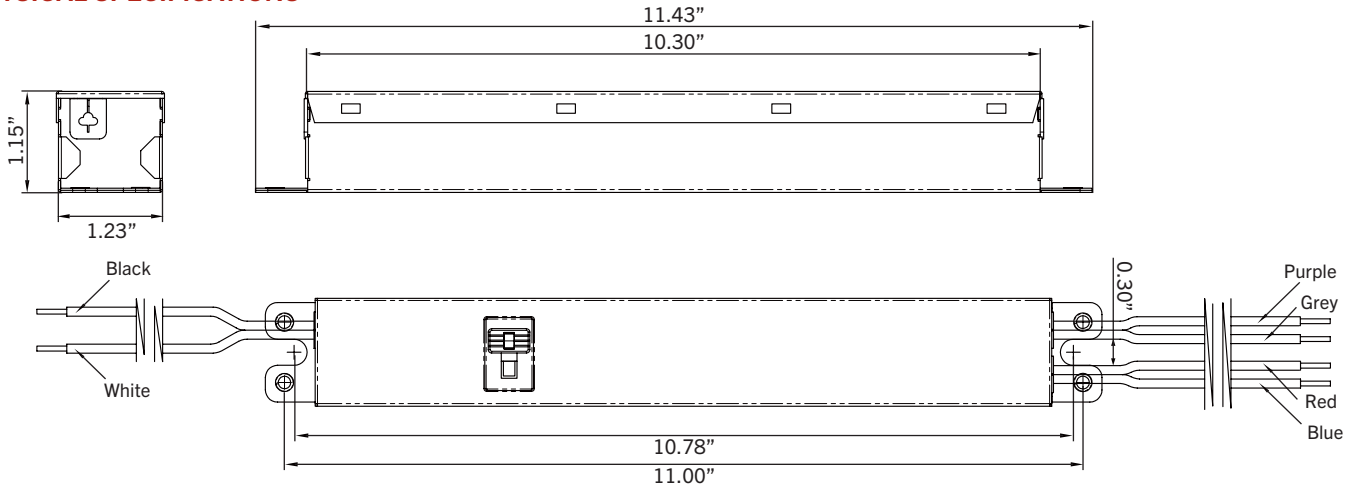
UL/cUL	UL 8750 pending, UL1310 Class 2
CE	EN61347-1, EN61347-2-13
FCC, 47CFR Part 15	ANSI C63.4:2009 Class B (Consumer Limit)
EN61000-3-2	Harmonic Current Emissions Class C
Sound Rating	Class A Sound Rating (per Energy Star V1.0)



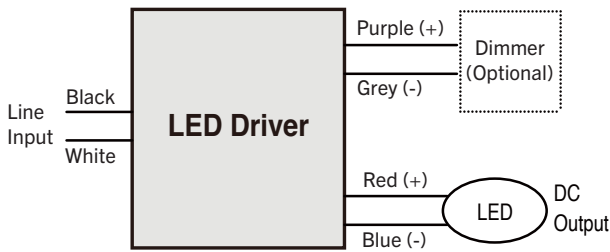
KTLD-100-UV-PS1800-54-VDIM-LM2

CONSTANT CURRENT LED DRIVER

PHYSICAL SPECIFICATIONS



WIRING DIAGRAM

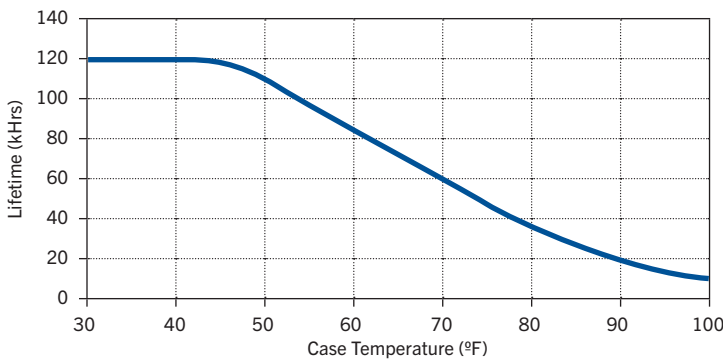


WIRING SPECIFICATIONS

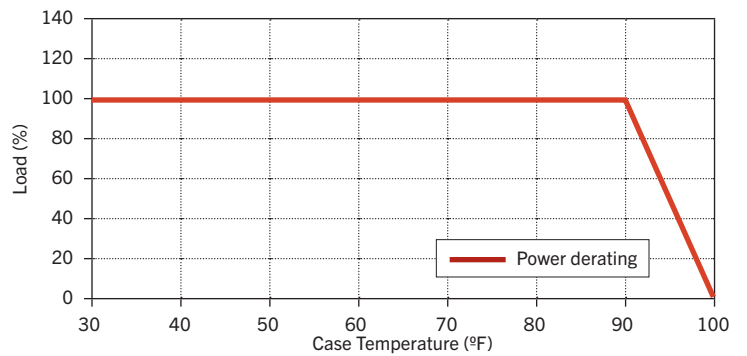
INPUT	12", UL 1316 #18AWG (Black and White)
OUTPUT	12", UL 1316 #18AWG (Red and Blue)
DIMMING	12", UL 1316/1430 #22AWG (Purple and Grey)

PERFORMANCE SPECIFICATIONS

LIFETIME VS CASE TEMPERATURE



POWER DERATING VS CASE TEMPERATURE

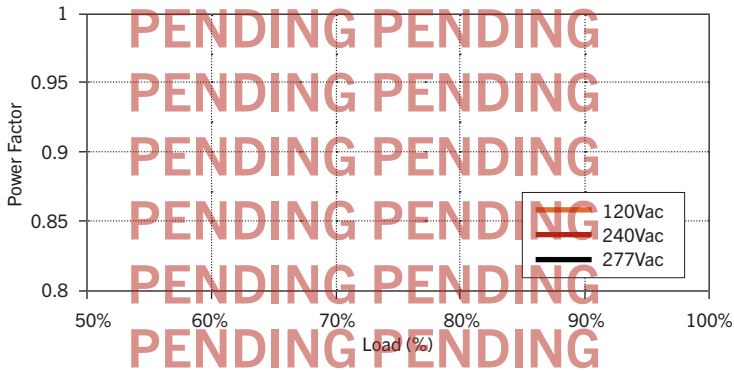




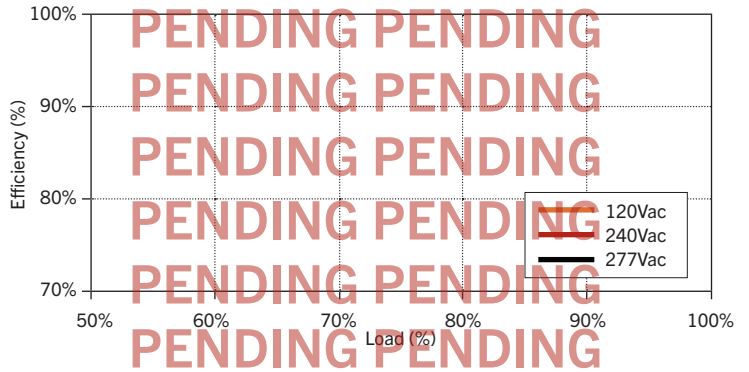
KTLD-100-UV-PS1800-54-VDIM-LM2

CONSTANT CURRENT LED DRIVER

POWER FACTOR VS LOAD



EFFICIENCY VS LOAD



ORDERING INFORMATION

CATALOG NUMBER	PACK QTY.	EASY CODE	UPC
KTLD-100-UV-PS1800-54-VDIM-LM2	32	843654134369	MFU-23

CATALOG NUMBER BREAKDOWN

KTLD-100-UV-PS1800-54-VDIM-LM2

1
2
3
4
5
6
7
8

- 1** Keystone Technologies LED Driver
- 2** Max. Output Wattage
- 3** 120-277V Input
- 4** Power Select Series
- 5** Max. Output Current
- 6** Max. Output Voltage
- 7** 0-10V Dimming
- 8** Case Style