



KTLD-36-UV-XXX-VDIM-L9

CONSTANT CURRENT LED DRIVER



DESCRIPTION

LED Driver | 36W | 120-277V Input | 640-2000mA Output

TOTAL POWER: 36W	OUTPUT CURRENT: 640-2000mA
INPUT VOLTAGE: 120~277Vac $\pm$ 10%	DIMMING: 0-10V
INPUT FREQUENCY: 50/60 Hz	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	30A @277V
Max. Input Current	0.42A @120V, 0.22A @240V and 0.19A @277V
THD	< 20% under 120~277Vac 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	< 1s 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	• 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	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-L9	36W	640mA	28-56V	60V	82%	83%	83%	60 ft	✓	
KTLD-36-UV-700-VDIM-L9	36W	700mA	26-51V	55V	82%	83%	83%	54 ft	✓	
KTLD-36-UV-800-VDIM-L9	36W	800mA	23-45V	49V	82%	83%	83%	48 ft	✓	
KTLD-36-UV-900-VDIM-L9	36W	900mA	20-40V	44V	82%	83%	83%	42 ft	✓	
KTLD-36-UV-1000-VDIM-L9	36W	1000mA	18-36V	40V	82%	83%	83%	38 ft	✓	✓
KTLD-36-UV-1100-VDIM-L9	36W	1100mA	17-33V	37V	82%	83%	83%	34 ft	✓	✓
KTLD-36-UV-1200-VDIM-L9	36W	1200mA	15-30V	34V	82%	83%	83%	32 ft	✓	✓
KTLD-36-UV-1300-VDIM-L9	36W	1300mA	14-28V	32V	82%	83%	83%	29 ft	✓	✓
KTLD-36-UV-1400-VDIM-L9	36W	1400mA	13-26V	30V	82%	83%	83%	27 ft	✓	✓
KTLD-36-UV-1500-VDIM-L9	36W	1500mA	12-24V	28V	82%	83%	83%	25 ft	✓	✓
KTLD-36-UV-1600-VDIM-L9	36W	1600mA	12-22.5V	26V	82%	83%	83%	24 ft	✓	✓
KTLD-36-UV-1700-VDIM-L9	36W	1700mA	12-21V	25V	82%	83%	83%	22 ft	✓	✓
KTLD-36-UV-1800-VDIM-L9	36W	1800mA	12-20V	24V	82%	83%	83%	21 ft	✓	✓
KTLD-36-UV-1900-VDIM-L9	36W	1900mA	12-19V	23V	82%	83%	83%	20 ft	✓	✓
KTLD-36-UV-2000-VDIM-L9	36W	2000mA	12-18V	22V	82%	83%	83%	19 ft	✓	✓

Also available in Dim to Off



KTLD-36-UV-XXX-VDIM-L9

CONSTANT CURRENT LED DRIVER

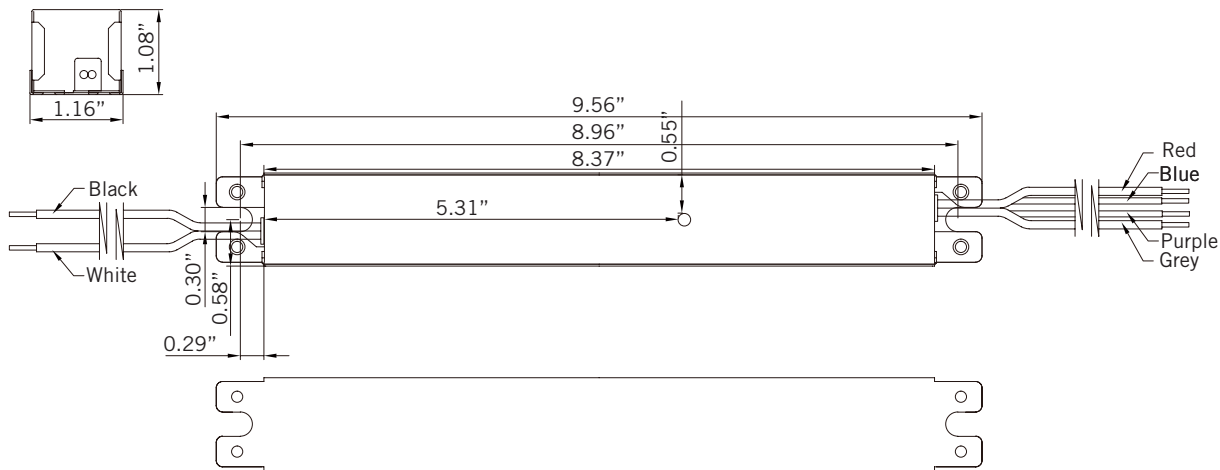
ENVIRONMENTAL SPECIFICATIONS

Operating Temperature	-40 to 60°C
Storage Temperature	-40 to 85°C
Humidity	5% to 95%
MTBF	440,000 hours at 40°C ambient (~70°C Case temp)
Life Rating	76,000 hours at 120Vac input, 100% load and 60°C case temperature
Maximum Case Temperature	90°C

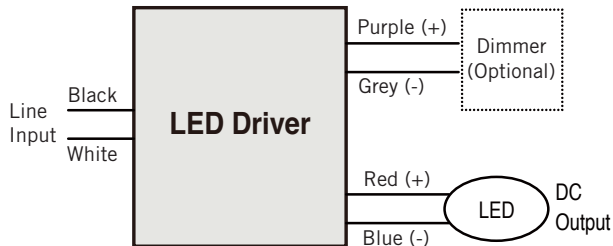
SAFETY AND EMC COMPLIANCE

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

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

ORDERING INFORMATION

ORDER CODE	PACKAGING STYLE	PACK QTY.	ITEM STATUS
KTLD-36-UV-XXX-VDIM-L9-CP	Carton Pack	TBD	Quick Ship

CATALOG NUMBER BREAKDOWN

KTLD-36-UV-XXX-VDIM-L9-CP

Keystone Technologies LED Driver	Max. Output Wattage	120-277V Input	Output Current	0-10V Dimming	Case Style	Packaging Style
-------------------------------------	------------------------	-------------------	-------------------	------------------	---------------	--------------------