



# KTLD-200-UV-XXX-VDIM-AP5

## CONSTANT CURRENT LED DRIVER



### DESCRIPTION

LED Driver | 200W | 120-277V Input | 450-3200mA Output

<b>TOTAL POWER:</b> 200W	<b>OUTPUT CURRENT:</b> 450-3200mA
<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

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 @120V
Max. Input Current	2.20A @120V, 1.09A @240V and 0.94A @277V
THD	< 20% under 120~277Vac input with 80~100% load condition (For All Output Currents)
Load Regulation	$\pm$ 1%
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)	< 3%
Withstand Voltage	Input to output, 2,800Vdc, 2mA
Leakage Current	Maximum 0.5mA at 277Vac, 60Hz input
Protection	<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> <li>• <b>Over temperature protection:</b> Protection will trigger when driver overheat and auto-recovery when cooled down.</li> </ul>

### ENVIRONMENTAL SPECIFICATIONS

Operating Temperature	-40 to 60°C
Storage Temperature	-40 to 85°C
Humidity	5% to 95%
MTBF	126,000 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



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### PRODUCT SPECIFICATIONS

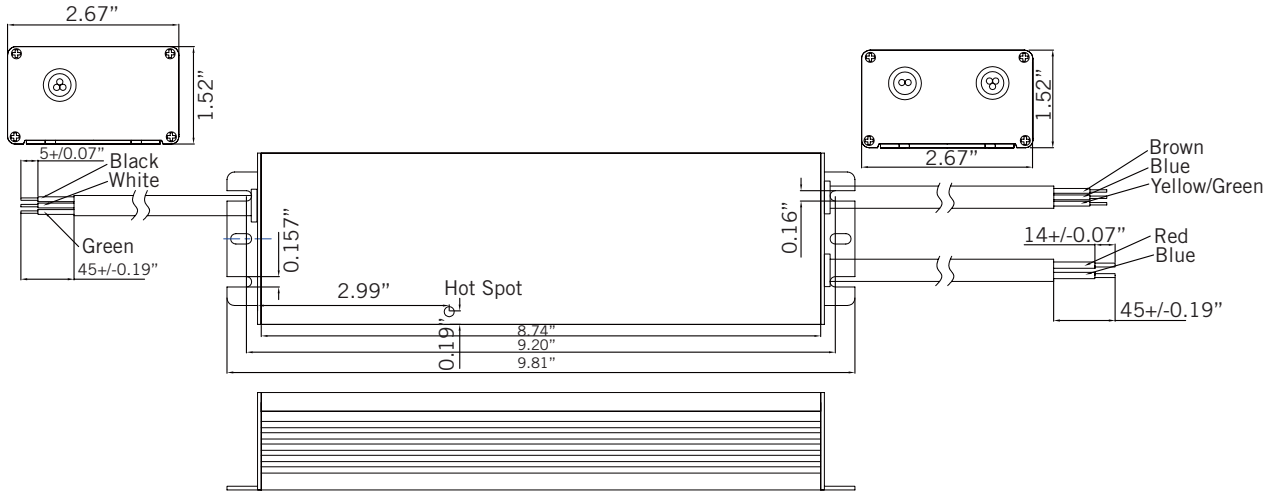
Catalog Number	Max. Output Power	Output Current	Output Voltage	OCV	Typical Efficiency at 120V	Typical Efficiency at 240V	Typical Efficiency at 277V	Remote Mounting Distance (#18 AWG)	Class 2	
									US	Canada
KTLD-200-UV-450-VDIM-AP5	200W	450mA	222-444V	446V	92%	93%	94%	31 ft		
KTLD-200-UV-500-VDIM-AP5	200W	500mA	200-400V	402V	92%	93%	94%	74 ft		
KTLD-200-UV-600-VDIM-AP5	200W	600mA	167-333V	335V	92%	93%	94%	62 ft		
KTLD-200-UV-700-VDIM-AP5	200W	700mA	143-286V	288V	92%	93%	94%	53 ft		
KTLD-200-UV-800-VDIM-AP5	200W	800mA	125-250V	252V	92%	93%	94%	46 ft		
KTLD-200-UV-900-VDIM-AP5	200W	900mA	111-222V	224V	92%	93%	94%	41 ft		
KTLD-200-UV-1000-VDIM-AP5	200W	1000mA	100-200V	202V	91%	92%	93%	37 ft		
KTLD-200-UV-1100-VDIM-AP5	200W	1100mA	91-182V	184V	91%	92%	93%	34 ft		
KTLD-200-UV-1200-VDIM-AP5	200W	1200mA	83-167V	169V	91%	92%	93%	31 ft		
KTLD-200-UV-1300-VDIM-AP5	200W	1300mA	77-154V	156V	91%	92%	93%	28 ft		
KTLD-200-UV-1400-VDIM-AP5	200W	1400mA	71-143V	145V	91%	92%	93%	26 ft		
KTLD-200-UV-1500-VDIM-AP5	200W	1500mA	67-133V	135V	90%	91%	92%	24 ft		
KTLD-200-UV-1600-VDIM-AP5	200W	1600mA	63-125V	127V	90%	91%	92%	23 ft		
KTLD-200-UV-1700-VDIM-AP5	200W	1700mA	59-118V	120V	90%	91%	92%	22 ft		
KTLD-200-UV-1800-VDIM-AP5	200W	1800mA	56-111V	113V	90%	91%	92%	20 ft		
KTLD-200-UV-1900-VDIM-AP5	200W	1900mA	53-105V	107V	90%	91%	92%	19 ft		
KTLD-200-UV-2000-VDIM-AP5	200W	2000mA	50-100V	102V	90%	91%	92%	18 ft		
KTLD-200-UV-2100-VDIM-AP5	200W	2100mA	48-95V	97V	90%	91%	92%	17 ft		
KTLD-200-UV-2200-VDIM-AP5	200W	2200mA	45-91V	93V	90%	91%	92%	17 ft		
KTLD-200-UV-2300-VDIM-AP5	200W	2300mA	43-87V	89V	90%	91%	92%	16 ft		
KTLD-200-UV-2400-VDIM-AP5	200W	2400mA	42-83V	85V	90%	91%	92%	15 ft		
KTLD-200-UV-2500-VDIM-AP5	200W	2500mA	40-80V	82V	90%	91%	92%	14 ft		
KTLD-200-UV-2600-VDIM-AP5	200W	2600mA	38-77V	79V	89%	90%	91%	14 ft		
KTLD-200-UV-2700-VDIM-AP5	200W	2700mA	37-74V	76V	89%	90%	91%	13 ft		
KTLD-200-UV-2800-VDIM-AP5	200W	2800mA	36-71V	73V	89%	90%	91%	13 ft		
KTLD-200-UV-2900-VDIM-AP5	200W	2900mA	34-69V	71V	89%	90%	91%	12 ft		
KTLD-200-UV-3000-VDIM-AP5	200W	3000mA	33-67V	69V	89%	90%	91%	12 ft		
KTLD-200-UV-3100-VDIM-AP5	200W	3100mA	32-65V	67V	89%	90%	91%	12 ft		
KTLD-200-UV-3200-VDIM-AP5	200W	3200mA	31-63V	65V	89%	90%	91%	11 ft		



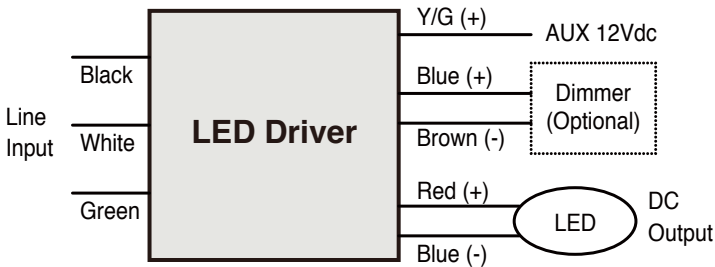
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### PHYSICAL SPECIFICATIONS



### WIRING DIAGRAM



### WIRING SPECIFICATIONS

<b>INPUT</b>	12", UL rated SJTW #18AWG x 3C
<b>OUTPUT</b>	12", UL rated SJTW #18AWG x 2C

### ORDERING INFORMATION

ORDER CODE	PACKAGING STYLE	PACK QTY.	ITEM STATUS
KTLD-200-UV-XXX-VDIM-AP5-CP	Carton Pack	TBD	Quick Ship

### CATALOG NUMBER BREAKDOWN

# KTLD-200-UV-XXX-VDIM-AP5-CP

