



# KTLD-25-1-xxx-FDIM-AF6

## LED DRIVER



Constant current LED driver
Total power: 25W
Input voltage: 120Vac $\pm$ 10%
Number of outputs: One
UL Listed, Class P
IP20 design for dry and damp location
Dimmable with leading / trailing edge dimmer
5 year warranty

### ELECTRICAL SPECIFICATIONS

Input voltage range:	120Vac $\pm$ 10%
Frequency:	60Hz
Power factor:	> 0.9 under 120Vac input with 80~100% load condition (for all output currents)
Inrush current:	10A @120V
Max input current:	0.27A @120V
THD:	< 20% under 120Vac 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:	< 0.5s at full load condition
Overshoot:	< 10% at full load condition
No Load Power Consumption:	< 0.5W
Ripple & Noise (pk-pk):	< 10%
Withstand voltage:	Input to output, 2,800Vdc, 2mA
Leakage current:	Maximum 0.5mA at 120Vac, 60Hz input
Protection:	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. 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. Short circuit protection: Hiccup mode. Protection will trigger when short circuit 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:	381,000 hours at 40°C ambient (~70°C Case temp)
Life rating:	75,000 hours at 120Vac input, 100% load and 60°C case temperature
Maximum case Temperature :	90°C

### SAFETY AND EMC COMPLIANCE

UL/cUL	UL Listed, 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								
Model Number	output power	Output Current	Output Voltage	OCV	Efficiency at 120V (Typ.)	Remote mounting distance (#18 AWG)	Class 2	
							US	Canada
<b>KTLD-25-1-440-FDIM-AF6</b>	25W	440mA	28-56V	60V	82%	85 ft	✓	
<b>KTLD-25-1-500-FDIM-AF6</b>	25W	500mA	25-50V	54V	82%	74 ft	✓	
<b>KTLD-25-1-600-FDIM-AF6</b>	25W	600mA	21-42V	47V	82%	62 ft	✓	✓
<b>KTLD-25-1-700-FDIM-AF6</b>	25W	700mA	18-36V	42V	82%	53 ft	✓	✓
<b>KTLD-25-1-800-FDIM-AF6</b>	25W	800mA	16-31V	37V	82%	46 ft	✓	✓
<b>KTLD-25-1-900-FDIM-AF6</b>	25W	900mA	14-28V	34V	82%	41 ft	✓	✓
<b>KTLD-25-1-1000-FDIM-AF6</b>	25W	1000mA	13-25V	31V	82%	37 ft	✓	✓
<b>KTLD-25-1-1100-FDIM-AF6</b>	25W	1100mA	11-23V	29V	81%	34 ft	✓	✓
<b>KTLD-25-1-1200-FDIM-AF6</b>	25W	1200mA	10-21V	27V	81%	31 ft	✓	✓
<b>KTLD-25-1-1300-FDIM-AF6</b>	25W	1300mA	10-19V	25V	81%	28 ft	✓	✓
<b>KTLD-25-1-1400-FDIM-AF6</b>	25W	1400mA	9-18V	24V	81%	26 ft	✓	✓

PHYSICAL DIMENSIONS	
Length (L):	6.93" (176mm)
Width (W):	1.34" (34mm)
Height (H):	0.83" (21mm)
Mounting (M):	6.61" (168 mm)

PACKAGING	
0.17kg / unit ; 40pcs / carton ; 2400pcs / pallet	
Carton size:	330 x 240 x 135 mm
Carton weight:	7 kg
Case Material:	Plastic



