



KTLD-10-1P-380-LDIM-AF1

CONSTANT CURRENT LED DRIVER



DESCRIPTION

LED Driver | 10W | 120V Input | 380mA Output

TOTAL POWER: 10W	OUTPUT CURRENT: 380mA
INPUT VOLTAGE: 120Vac ±10%	UL 8750
INPUT FREQUENCY: 60 Hz	WARRANTY: 5 Years
NUMBER OF OUTPUTS: 1	LOCATION: Suitable for dry and damp locations
DIMMING: Dimmable with local dimmer	

ELECTRICAL SPECIFICATIONS

Input Voltage Range	120Vac ± 10%
Frequency	50/60 Hz
Power Factor	> 0.7 under 120Vac input with 80~100% Load Condition (For All Output Currents)
Inrush Current	7A @120V
Max. Input Current	0.13A @120V
THD	< 100% under 120Vac input with 80~100% Load Condition (For All Output Currents)
Load Regulation	± 2%
Line Regulation	± 1%
Voltage Tolerance	± 5% at Full Load Condition
Turn-On Delay Time	< 0.75s 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 120Vac, 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	Output Current	Output Voltage	OCV	Typical Efficiency at 120V	Remote Mounting Distance (#18 AWG)	Class 2	
							US	Canada
KTLD-10-1P-380-LDIM-AF1	10W	380mA	13-27V	30V	75%	38 ft	✓	✓

ENVIRONMENTAL SPECIFICATIONS

Operating Temperature	-40 to 60°C
Storage Temperature	-40 to 85°C
Humidity	5% to 95%
MTBF	534,000 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

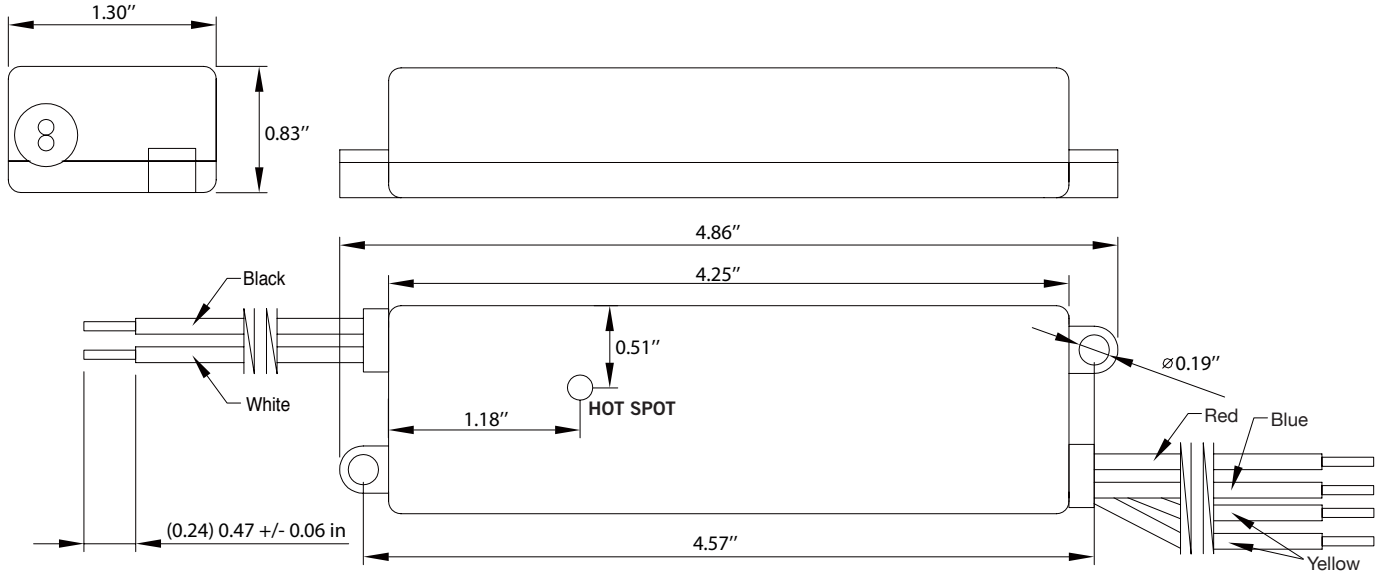
UL/cUL	UL 8750
CE	EN61347-1, EN61347-2-13
FCC, 47CFR Part 15	ANSI C63.4:2009 Class B (Consumer Limit)
EN61000-3-2	Harmonic Current Emissions Class C



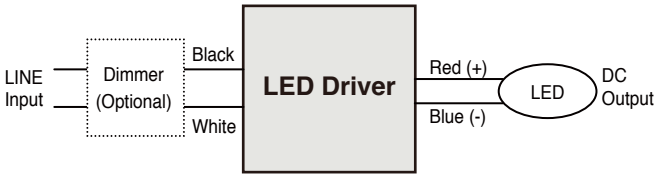
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PHYSICAL SPECIFICATIONS



WIRING DIAGRAM



WIRING SPECIFICATIONS

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

ORDERING INFORMATION

Order Code	Packaging Style	Pack Quantity	Item Status
KTLD-10-1P-380-LDIM-AF1-CP	Carton Pack	40	Quick Ship

CATALOG NUMBER BREAKDOWN

KTLD-10-1P-380-LDIM-AF1-CP

