



KTLD-100-UV-2400-VDIM-LA5

CONSTANT CURRENT LED DRIVER



DESCRIPTION

LED Driver | 100W | 120-277V Input | 2400mA Output

| | |
|--|-------------------------------|
| TOTAL POWER: 100W | WARRANTY: 5 Years |
| INPUT VOLTAGE: 120~277Vac \pm 10% | OUTPUT CURRENT: 2400mA |
| INPUT FREQUENCY: 50/60 Hz | DIMMING: 0-10V |

ELECTRICAL SPECIFICATIONS

| | |
|----------------------------|---|
| Input Voltage Range | 120~277Vac \pm 10% |
| Frequency | 50/60 Hz |
| Power Factor | > 0.95 under 120~277Vac input with 80~100% load condition (For All Output Currents) |
| Inrush Current | <130A Peak @120Vac / 25°C/77°F |
| Max. Input Current | 1.0A @ 120Vac |
| THD | < 20% under 120~277Vac input with 80~100% load condition (For All Output Currents) |
| Current Stability | \pm 1.5% max. after 8hrs |
| Output Tolerance | \pm 5% at Full Load Condition |
| Turn-On Delay Time | < 1s at Full Load condition |
| Ripple Factor | Vd= 41V, Rd= 0.08, <8% factor <5% |
| Protection | <ul style="list-style-type: none"> • 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 | Typical Efficiency at 120V | Typical Efficiency at 277V | Class 2 | |
|---------------------------|-------------------|----------------|----------------|----------------------------|----------------------------|---------|--------|
| | | | | | | US | Canada |
| KTLD-100-UV-2400-VDIM-LA5 | 100W | 2400mA | 30-41Vdc | 86% | 88% | ✓ | |

ENVIRONMENTAL SPECIFICATIONS

| | |
|---------------------------------|---|
| Operating Temperature | -40°C/-40°F to 55°C/131°F |
| Humidity | 5% to 95%, non-condensing |
| MTBF | 300,000hrs calculated to MIL-HBDK217F @ 25°C/77°F |
| Life Rating | >50,000hrs @ 55°C/131°F ambient |
| Maximum Case Temperature | 85°C/185°F |

SAFETY AND EMC COMPLIANCE

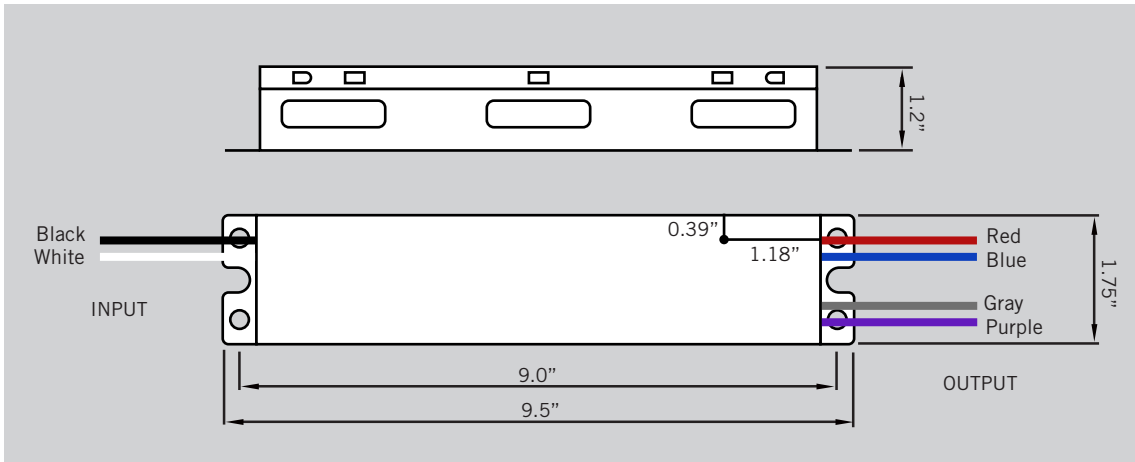
| | |
|---------------------------|--------------------------|
| UL/cUL | UL 8750, UL 1310 Class P |
| FCC, 47CFR Part 15 | Class A |



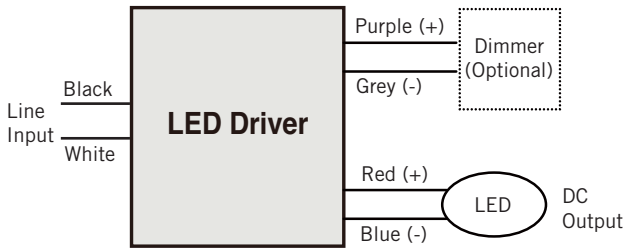
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PHYSICAL SPECIFICATIONS



WIRING DIAGRAM



WIRING SPECIFICATIONS

| WIRE TYPE | WIRE LENGTH |
|-----------|-------------|
| INPUT | 19.69" |
| OUTPUT | 31.5" |
| DIMMING | 31.5" |

ORDERING INFORMATION

| ORDER CODE | PACK QTY. | ITEM STATUS |
|---------------------------|-----------|-------------|
| KTLD-100-UV-2400-VDIM-LA5 | 24 | Quick Ship |

CATALOG NUMBER BREAKDOWN

KTLD-100-UV-2400-VDIM-LA5

1
2
3
4
5
6

- 1 Keystone Technologies LED Driver
- 2 Max Output Wattage
- 3 120-277V Input
- 4 Output Current
- 5 0-10V Dimming
- 6 Case Style