



D14CC150UVT-F

1400mA LED Driver

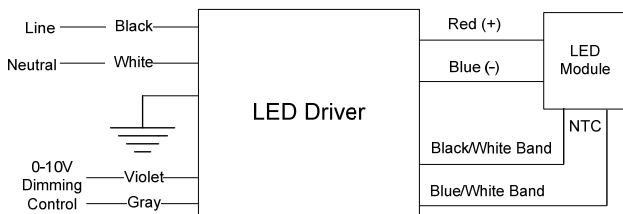
- Universal input voltage 120 – 277 Vac
- 0-10V Dimming
- Tunable Output



| Performance | |
|-------------------|----------------------|
| Input Voltage | 120 ~ 277 Vac |
| Input Current Max | 1.14 /120V 0.49/277V |
| Input Power Max | 167W |
| Input Frequency | 50 - 60 (Hz) |
| Power Factor | > 0.95 |
| THD max | < 20 % |
| Output Voltage | 38V-107V |
| Output Current | 140-1400mA |
| Output Power | 150W Max |
| Line Regulation | ±3 % |
| Load Regulation | ±5 % |

| Environmental | |
|-----------------------|---|
| EMI and RFI | Meets FCC part 15 (Class A) Non-Consumer Limits |
| Operating Temperature | -40°C to 55°C (-40°F to 131°F) |
| Storage Temperature | -40°C to 85°C (-40°F to 185°F) |
| tc | 85°C (185°F) max |
| Protection Rating | UL Dry & Damp |

Wiring Diagram:



Control Wiring

- Use Violet (+) & Gray (-) for connection to 0-10VDC.
- Driver protected if line voltage is applied.
- Wiring Violet & Gray together provides 10% light output.
- Capping Violet & Gray separately provides 100% light output.

| Physical | |
|-------------------------------|--------------------|
| Length | 9.50 in (241.3 mm) |
| Width | 2.40 in (61.0 mm) |
| Height | 1.55 in (39.4 mm) |
| Mounting Length | 8.89 in (225.8 mm) |
| Weight (lbs) | 2.6 |
| Lead Lengths | |
| Blk, Wht, Blk/Wht, Blu/Wht | 8 in |
| Red(+), Blue(-), Gray, Violet | 8 in |

Lead-wires are 18 AWG 105°C /600V solid copper.

Protection: Over voltage, Overload and short circuit, over temp.

Safety: UL 1012 & CSA107

Tuning Interface

- Allows maximum output current to be tuned/programmed to any level of the dimming output range.
- Tuning is performed with the LDTC01A Tuning Controller
 - Controller is connected to the Grey and Purple Leads while the driver is powered for programming
 - For more information, see tuning controller instructions

Thermal Foldback Control

Luminaire temperature monitoring/protection. LED Driver reduces output current for external thermal protection if an NTC (Negative Thermal Coefficient) from Murata part number NCP18XV103J03RB is used.

- Connect unused Black/White and Blue/White leads together when thermal foldback control is not used.
- See application note on www.unvlt.com for more information.

0-10V Dimming Interface

Analog 0 to 10 vDC Voltage Control

- 10v = maximum output, 0v = minimum output
- 0-10V interface can be wired as Class 1 or Class 2 Circuit.
- Driver will source a maximum of 250uA for control needs.





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CONDITIONS OF ACCEPTABLE USAGE:

When installed in the end-use equipment, the following are among the considerations to be made:

1. These products are for use only in (or with) complete end product equipment where the acceptability of the combination is determined by CSA International or others having jurisdiction.
2. The product shall be installed in compliance with the enclosure, mounting, mounting surface, strain relief, spacing, segregation, and all other applicable requirements of the End Product in which it is employed. Suitability shall be determined during End Product Certification Evaluation.
3. Product / product installation into end product is subject to any additional applicable requirement(s) of all applicable end product standard(s). These requirements shall be verified during end product evaluation.
4. No End Product enclosure testing was performed, suitability of enclosure to be determined during End Product Certification Evaluation.
5. This product has a Class 1 output complying with UL 1012, 7th Ed. and CSA C22.2 No. 107.1-01.
6. This product is an LED Driver intended to energize LEDs.
7. This product is not serviceable by the end user.
8. The temperature test was conducted on models D700C150UV10F and D700C150HV10F such that the mounting tabs were oriented up at an ambient of 40°C, the transformer of this product uses a Class A (105) insulation system, consideration shall be given to repeating temperature test as needed during end product certification evaluation.
9. The temperature test for the alternate D700C150UV10F and all other models were conducted on models D530C150UV10F and D14CC150UVT-F such that the mounting tabs were oriented up at an ambient that achieved a maximum case temperature of 85°C. See the product label for the location of the maximum case temperature spot location on these drivers.
10. These products are suitable for use in wet locations only when the optional CSA/UR (cUS, INT) water resistant wiring is incorporated in the products. Otherwise the products are suitable for damp locations only.

FCC Statement: This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

Warranty:

Universal Lighting Technologies warrants to the purchaser that each power supply will be free from defects in material or workmanship for a period of 5 years from the date of manufacture when properly installed per instructions and under normal operating conditions of use. Call 1-800-225-5278 for technical assistance.



Application and operation performance specification information subject to change without notification.