Obsolete

D10CC50UNVA-MSF

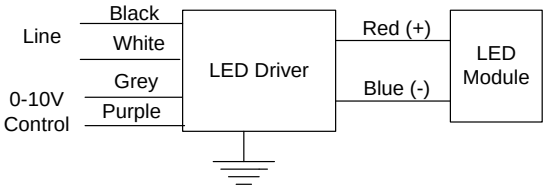
1050mA LED Driver

- Universal input voltage 120 – 277 Vac
- Class 2 Output
- 0-10V Dimming Control

Performance	
Input Voltage	120 ~ 277 Vac
Input Current Max	0.51 /120V 0.22/277V
Input Power Max	58W
Input Frequency	50 - 60 (Hz)
Power Factor	> 0.95
THD max	< 20 %
Output Voltage	29V - 48V
Output Current	105-1050mA
Output Power	50W Max
Line Regulation	±3 %
Load Regulation	±10 %

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	90°C (194°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	4.00 in (100 mm)
Width	3.00 in (75 mm)
Height	1.24 in (31.5 mm)
Mounting Length	3.62" x 2.44" (92mm x 62mm)
Weight (lbs)	1
Lead Lengths	
Blk, Wht, Purple, Gray	12" 18AWG
Red(+), Blue(-)	12" 20AWG

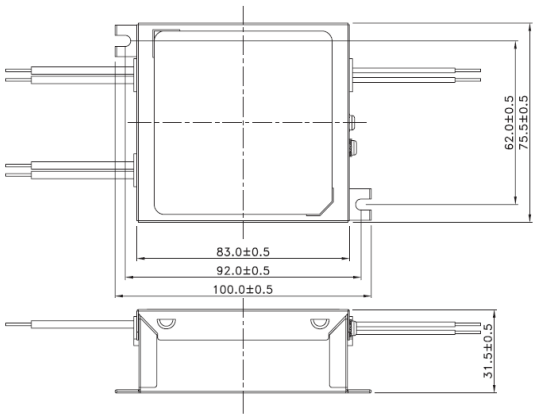
Lead-wires are 105°C /600V solid copper.

Protection

Over voltage, Overload and short circuit, over temp.

Safety:

UL 8750 & CSA 250.13-12



(Dimensions in mm)

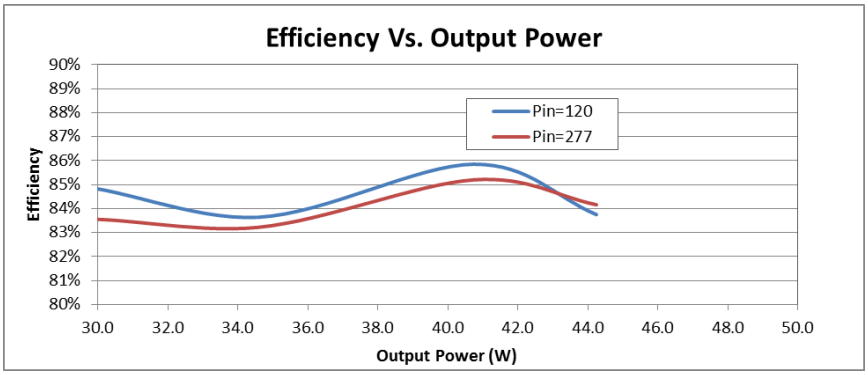
0-10V Dimming Interface

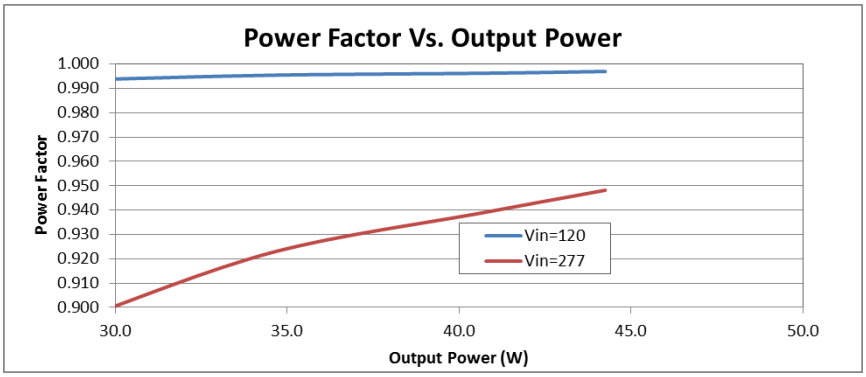
Analog 0 to 10 vDC Voltage Control
- 10v = maximum output
- 0v = minimum output
- 0-10V interface designed for use with Class 2 control devices.
- Driver will source a maximum of 250uA for control needs.

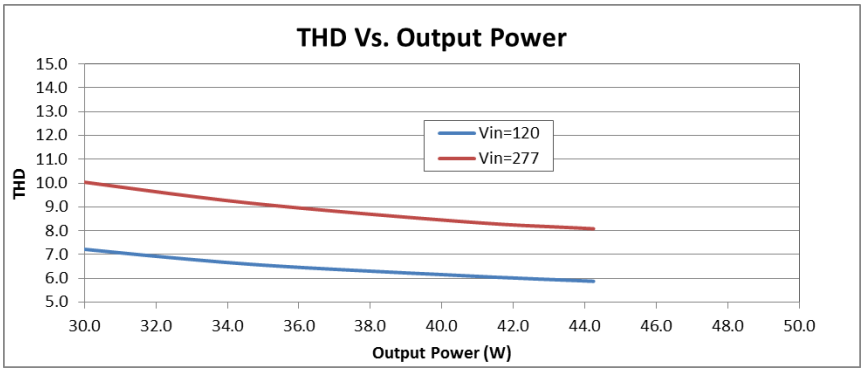
Application and operation performance specification information subject to change without notification.

Performance: Efficiency, THD, & Power Factor

Typical performance measurements are shown. The charts are to be used as a guideline and not for specification use.







Output power based on maximum rated output current and varying load voltages.

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

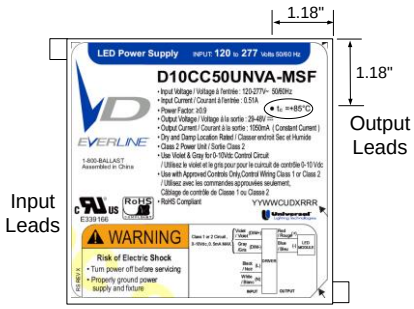
Condition of Acceptability
-When installed in the end use equipment, the following are among the considerations to be made:

1. The maximum working voltage present and dielectric voltage withstand test voltage applied between primary circuits and secondary output/plastic enclosure for each models are tabulated below.

Model name	Working Voltage	Hi-pot P-S and P-enclosure
D10CC50UNVA-MSF	302 Vrms, 740 Vpk	4242 (3000) Vac

2. The LED driver had been considered ambient 55 degree C. If operated at a higher ambient temperature, it should be determined in end product.
3. The suitability of enclosure shall be determined in the end product.
4. The unit is intended for factory installation only.
5. The LED driver is intended for use in a dry and/or damp location. Other uses shall be considered in end product.
6. The driver shall be installed in compliance with the enclosure, mounting, spacing, casualty, and segregation requirements of the end product application.
7. The suitability of input and output leads shall be determined in end product.
8. The driver is provided with isolated output.
9. Electrical/Fire/Mechanical enclosure shall be evaluated in end product.
10. The necessity of repeated Leakage Current Test shall be determined in each end use application.

Tc Location



Location is also indicated on the product label.

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.