



D700C20UNVA-MSF

700mA LED Driver

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



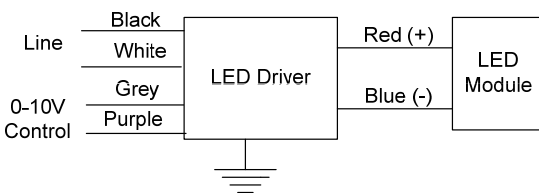
Performance

Input Voltage	120 ~ 277 Vac
Input Current Max	0.23 /120V 0.09/277V
Input Power Max	24W
Input Frequency	50 - 60 (Hz)
Power Factor	> 0.95
THD max	< 20 %
Output Voltage	14V - 31V
Output Current	70-700mA
Output Power	20W 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	80°C (176°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 (102 mm)
Width	3.00 in (76 mm)
Height	1.56 in (40 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

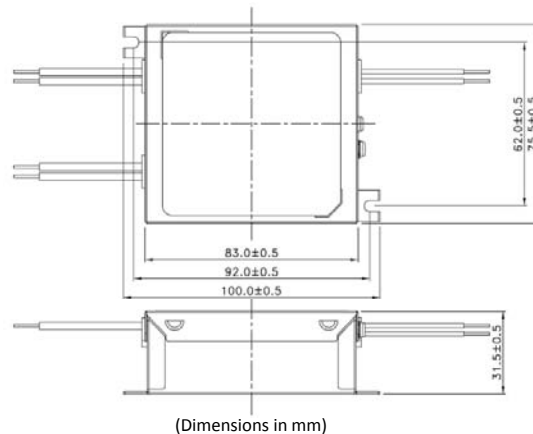
Lead-wires are 105°C /600V solid copper.

Protection

Over voltage, Overload and short circuit, over temp.

Safety:

UL 8750 & CSA 250.13-12



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.





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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
D700C20UNVA-MSF	303 Vrms, 701 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.

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.

