

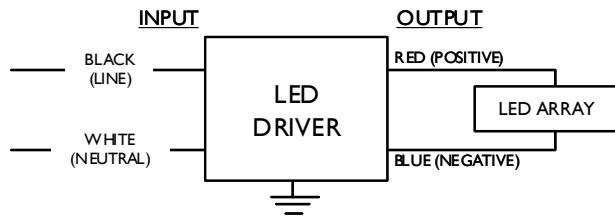
## LED-INTA-0012V-50-F-O

Brand Name	XITANIUM
Driver Type	Electronic
Input Voltage	120~277
Input Frequency	50/60Hz
RoHS	Yes
Status	Active

### Electrical Specifications

Output Power (W)	Output Voltage (V)	Output Current (A)	Operating Temp. Range (°F/°C)	Input Current at 120V (A)	Max. Input Power (W)	Inrush Current (A <sub>pk</sub> /μs)	Max. THD (%)	Min. Power Factor	Surge Protection (KV)	Weight (Lbs)	IP Rating
60	12	0.10~5.0	-40°~140°F (-40~60°C)	0.6	70	100/200	20	0.9	2.5	1.4/635	IP66

### Wiring Diagram



Input and output use lead-wires.  
Lead-wires are 18AWG 105C/600V solid copper

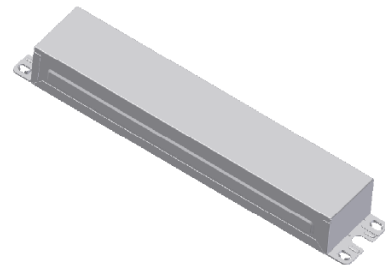
### Standard Lead Length

	in.	cm.
Black	9	22
White	9	22
Blue	26	66
Red	26	66
Gray		
Violet		

### Maximum Wiring Distance (at full load)

Wire Size (AWG)	Distance (feet)
26	2
24	4
22	6
20	10
18	15
16	24
14	38
12	59
10	100

### Enclosure



	in. (mm)
Case Length	8.34 (211.8)
Case Width	1.76 (42.5)
Case Height	1.1 (27.9)
Mounting Length	8.99 (228.4)
Mounting Width	1.22 (30.9)
Overall Length	9.45 (240)



UL Class 2  
E220165



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## Installation & Application Notes:

### Section I – Physical Characteristics

- 1.1 LED Driver shall be installed inside an electrical enclosure
- 1.2 Wiring inside electrical enclosure shall comply with 600V/105°C rating or higher.

### Section II – Performance

- 2.1 LED Driver is UL Class 2 power unit as per UL1310. It is also listed in the UL Sign Accessory Manual (UL SAM).
- 2.2 LED Driver is certified by UL for use in a dry or damp location (Outdoor Type I).
- 2.3 LED Driver has Class A sound rating.
- 2.4 LED Driver tolerates sustained open circuit and short circuit output conditions without damage.
- 2.5 LED Driver maximum allowable case temperature is 90°C – see product label for measurement location.
- 2.6 LED Driver reduces output power to LEDs if its case temperature exceeds 95°C –thermal protection.
- 2.7 LED Driver complies with FCC rules and regulations, as per Title 47 CFR Part 15 Non-Consumer (Class A) for EMI/RFI (conducted and radiated) at full load.

### Section III – UL Conditions of Acceptability (File E220165; Vol. 1; Sec. 3)

When installed in the end product, consideration shall be given to the following:

- 3.1 This component has been judged in the basis of the required spacing in the standard for Class 2 Power Units, UL 1310, Fourth Edition, which would cover the component itself if submitted for Listing.
- 3.2 The supply terminals and connectors are suitable for factory wiring only of solid or tinned stranded No. 18 AWG conductors.
- 3.3 The equipment was submitted and tested for a maximum manufacturer's recommended ambient (T<sub>mra</sub>) of 40°C.
- 3.4 The insulation system of the main isolation transformer designated (T2) in this model is a Class 105(A) insulation system. Unless the modules are mounted as specified in condition of acceptability number 7, a temperature test is required when this model is installed within an electrical enclosure or raceway.
- 3.5 The maximum leakage current of a single unit is 0.49mA. Leakage current measurements shall be performed when multiple LED Drivers are used in the final equipment or when the LED Driver is used in combination with other equipment in the end-use product.
- 3.6 The unit is intended for installation inside an electrical enclosure.
- 3.7 The unit may be used within an electrical enclosure or raceway without temperature test provided they are mounted not closer than 1 in. end to end or 4 in. side to side from adjacent LED power supplies.
- 3.8 The ground connection is not suitable as the equipment ground for a sign. Separate provision for sign grounding must be provided.