

## **SECTION V – Xitanium™ LED Drivers**

### **Ballast Specification for Xitanium™ LED Drivers**

#### **Xitanium™**

##### **Section I - Physical Characteristics**

- 1.1 Driver shall be available in a plastic/metal can or all metal can construction to meet all plenum requirements.
- 1.2 Driver shall be provided with poke-in wire trap connectors or integral leads color coded per ANSI C82.11.

##### **Section II - Performance Requirements**

- 2.1 Driver shall operate from 60 Hz input source of 120V with sustained variations of +/- 10% (voltage and frequency) with no damage to the Driver.
- 2.2 Driver output shall be regulated to +/- 5% across published load range.
- 2.3 Driver shall operate LEDs at a frequency of 60 Hz.
- 2.4 Driver shall have a Power Factor greater than 0.90 for primary application.
- 2.5 Driver input current shall have Total Harmonic Distortion (THD) of less than 20%.
- 2.6 Driver shall have a Class A sound rating.
- 2.7 Driver shall have a minimum operating temperature of -40C (-40F).
- 2.8 Driver shall tolerate sustained open circuit and short circuit output conditions without damage and without need for external fuses or trip devices.

##### **Section III - Regulatory Requirements**

- 3.1 Driver shall not contain any Polychlorinated Biphenyl (PCB).
- 3.2 Driver shall be Underwriters Laboratories (UL) listed, Class 2 Outdoor; and Canadian Standards Association (CSA) certified where applicable.
- 3.3 Driver shall comply with ANSI C62.41 Category A for Transient protection.
- 3.4 Driver shall comply with the requirements of the Federal Communications Commission (FCC) rules and regulations, Title 47 CFR part 15, Non-Consumer (Class A) for EMI/RFI (conducted and radiated).

##### **Section IV - Other**

- 4.1 Driver shall be manufactured in a factory certified to ISO 9002 Quality System Standards.
- 4.2 Driver shall carry a five-year warranty from date of manufacture against defects in material or workmanship, including replacement, for operation at a maximum case temperature of 90C.
- 4.3 Manufacturer shall have a fifteen year history of producing electronic ballasts for the North American market.
- 4.4 Dimmable drivers shall be controlled by a Class 2 low voltage 0-10VDC controller.
- 4.5 Driver shall be Advance Transformer part # \_\_\_\_\_ or approved equal.

