



**BALLAST SPECIFICATION**

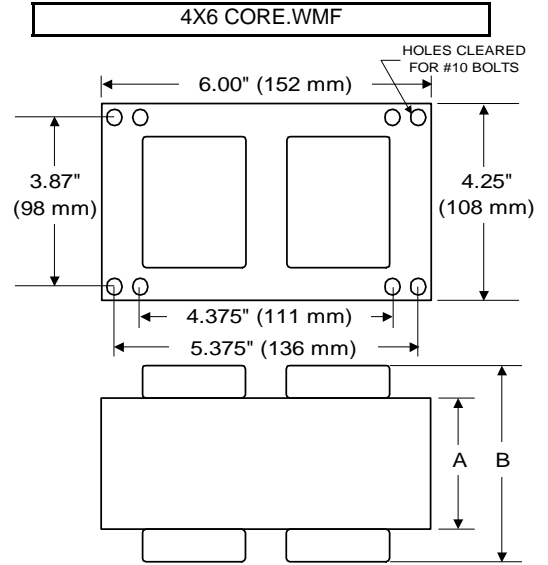
**775W M181**

**Pulse Start Metal Halide**

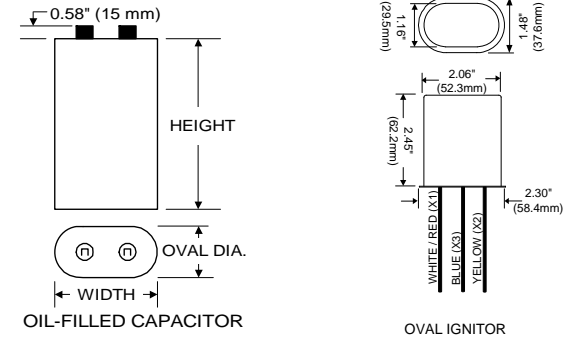
**V90J9610**

**60 Hz CWA**

|                                       |              |              |              |
|---------------------------------------|--------------|--------------|--------------|
| <b>Input Volts</b>                    | 120          | 277          | 347          |
| <b>Line Current ( Amps )</b>          |              |              |              |
| Operating                             | 7.30         | 3.20         | 2.55         |
| Open Circuit                          | 4.95         | 2.30         | 1.80         |
| Starting                              | 5.40         | 2.35         | 1.85         |
| <b>Recommended Fuse (Amps)</b>        | 20           | 8            | 7            |
| <b>Regulation</b>                     |              |              |              |
| Line Volts                            | ±10%         | ±10%         | ±10%         |
| Lamp Watts                            | ±10%         | ±10%         | ±10%         |
| <b>Temperature Ratings</b>            |              |              |              |
| Insulation Class                      | 180 (H)      | 180 (H)      | 180 (H)      |
| Coil Temperature Code                 | A            | B            | B            |
| Benchtop Coil Rise                    | 73.2         | 75.3         | 76.4         |
| <b>Power Factor (Min)</b>             | 90%          | 90%          | 90%          |
| <b>Input Watts</b>                    | 840 W        | 840 W        | 840 W        |
| <b>Efficiency</b>                     | 92%          | 92%          | 92%          |
| <b>NOM. Open Circuit Voltage</b>      | 410          | 410          | 410          |
| <b>Input Voltage At Lamp Dropout</b>  | 75           | 160          | 190          |
| <b>Min Ambient Starting Temp</b>      | -20°F/-30°C* | -20°F/-30°C* | -20°F/-30°C* |
| <b>60 HZ TEST PROCEDURES</b>          |              |              |              |
| <b>High Potential Test (Volts)</b>    |              |              |              |
| 1 Minute                              | 1,900 V      | 1,900 V      | 1,900 V      |
| 1 Second                              | 2,200 V      | 2,200 V      | 2,200 V      |
| <b>Open Circuit Voltage Test (V)</b>  | 370 - 450    | 370 - 450    | 370 - 450    |
| <b>Short Circuit Current Test (A)</b> |              |              |              |
| Secondary Current                     | Min 4.30     | 4.30         | 4.30         |
| Max 5.25                              | 5.25         | 5.25         | 5.25         |
| Input Current                         | Min 4.25     | 1.85         | 1.45         |
| Max 6.35                              | 2.80         | 2.20         | 2.20         |
| <b>CORE and COIL Specifications</b>   |              |              |              |
| Dimension (A)                         | 2.80 in      | 2.80 in      | 2.80 in      |
| Dimension (B)                         | 4.95 in      | 4.95 in      | 4.95 in      |
| Weight                                | 18.5 lb's    | 18.5 lb's    | 18.5 lb's    |
| Lead Lengths                          | 12"          | 12"          | 12"          |
| <b>Capacitor Requirement</b>          |              |              |              |
| Microfarads                           | 22.0 uf      | 22.0 uf      | 22.0 uf      |
| Volts (Min)                           | 500 V        | 500 V        | 500 V        |



|                   |          |                    |         |
|-------------------|----------|--------------------|---------|
| <b>Capacitor:</b> | ACB3270V | <b>Ignitor:</b>    | BVS-020 |
| Microfarads:      | 22.0 uf  | Case Temp (Max):   | 105 °C  |
| Volts (Max):      | 525 V    | BTL Distance (Max) | 10 ft   |
| Case Temp (Max)   | 100 °C   |                    |         |
| Height (Max):     | 3.94 in  |                    |         |
| Dia (Max):        | 1.97 in  |                    |         |
| Oval Width (Max): | 2.97 in  |                    |         |



**Ordering Information**    Add Suffix for options  
 C - With Oil-Filled Capacitor  
 CB - With Oil-Filled Capacitor and Welded Bracket  
 B - With Welded Bracket, no Capacitor  
 K - Prewired, with Oil-Filled Capacitor and Bracket Kit

\* -40°F/-40°C Min Ambient Starting Temp with Venture Lamp  
 RoHS compliant on all manufactured products after August 1, 2007  
 Data is based upon tests performed by Venture Lighting in a controlled environment and is representative of relative performance. Actual performance can vary depending on operating conditions. Specifications are subject to change without notice.

**2/24/2010**    **Production**    Coil material: primary Cu and secondary Al

