

# BALLAST SPECIFICATION

## 775W M181

### Pulse Start Metal Halide

### V90D9610

### 60 Hz CWA

|                                       |              |              |              |              |
|---------------------------------------|--------------|--------------|--------------|--------------|
| <b>Input Volts</b>                    | 120          | 208          | 240          | 277          |
| <b>Line Current ( Amps )</b>          |              |              |              |              |
| Operating                             | 7.45         | 4.50         | 3.75         | 3.25         |
| Open Circuit                          | 5.60         | 4.10         | 3.05         | 2.60         |
| Starting                              | 5.20         | 2.85         | 2.65         | 2.30         |
| <b>Recommended Fuse (Amps)</b>        | 20           | 12           | 10           | 9            |
| <b>Regulation</b>                     |              |              |              |              |
| Line Volts                            | ±10%         | ±10%         | ±10%         | ±10%         |
| Lamp Watts                            | ±10%         | ±10%         | ±10%         | ±10%         |
| <b>Temperature Ratings</b>            |              |              |              |              |
| Insulation Class                      | 180 (H)      | 180 (H)      | 180 (H)      | 180 (H)      |
| Coil Temperature Code                 | B            | D            | B            | C            |
| Benchtop Coil Rise                    | 80.0         | 85.0         | 79.1         | 80.9         |
| <b>Power Factor (Min)</b>             | 90%          | 90%          | 90%          | 90%          |
| <b>Input Watts</b>                    | 845 W        | 845 W        | 845 W        | 845 W        |
| <b>Efficiency</b>                     |              |              |              |              |
| <b>NOM. Open Circuit Voltage</b>      | 420          | 420          | 420          | 420          |
| <b>Input Voltage At Lamp Dropout</b>  | 70           | 100          | 115          | 130          |
| <b>Min Ambient Starting Temp</b>      | -20°F/-30°C* | -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                              | 1,850 V      | 1,850 V      | 1,850 V      | 1,850 V      |
| 1 Second                              | 2,200 V      | 2,200 V      | 2,200 V      | 2,200 V      |
| <b>Open Circuit Voltage Test (V)</b>  | 375 - 465    | 375 - 465    | 375 - 465    | 375 - 465    |
| <b>Short Circuit Current Test (A)</b> |              |              |              |              |
| Secondary Current                     | Min 4.30     | 4.30         | 4.30         | 4.30         |
| Max 5.30                              | 5.30         | 5.30         | 5.30         | 5.30         |
| Input Current                         | Min 3.90     | 2.15         | 2.00         | 1.85         |
| Max 5.90                              | 5.90         | 3.25         | 3.10         | 2.80         |
| <b>CORE and COIL Specifications</b>   |              |              |              |              |
| Dimension (A)                         | 2.80 in      | 2.80 in      | 2.80 in      | 2.80 in      |
| Dimension (B)                         | 4.95 in      | 4.95 in      | 4.95 in      | 4.95 in      |
| Weight                                | 18.5 lb's    | 18.5 lb's    | 18.5 lb's    | 18.5 lb's    |
| Lead Lengths                          | 12 "         | 12 "         | 12 "         | 12 "         |
| <b>Capacitor Requirement</b>          |              |              |              |              |
| Microfarads                           | 22.0 uf      | 22.0 uf      | 22.0 uf      | 22.0 uf      |
| Volts (Min)                           | 500 V        | 500 V        | 500 V        | 500 V        |

#### Ordering Information    Add Suffix for options

C - With Capacitor

K - Prewired, with Capacitor and Bracket Kit

B - With Welded Bracket, no cap

CB - With Capacitor and Welded Bracket

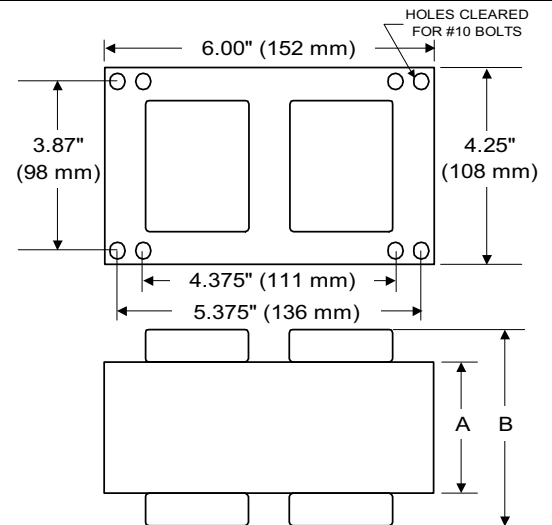
\* -40°F/-40°C Min Ambient Starting Temp with Venture Lamp

Coil material: primary Cu and secondary Al

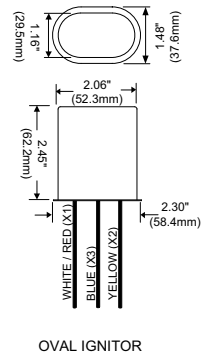
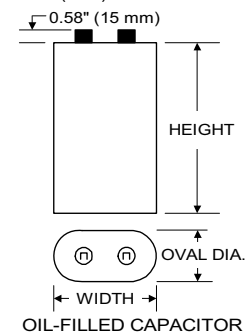
RoHS compliant on all manufactured products after August 1, 2007

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.

#### 4X6 CORE - HX, CWA \_CWI UNITS



|                       |          |                     |         |
|-----------------------|----------|---------------------|---------|
| <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 / Oval Dia (Max): | 1.97 in  |                     |         |
| Oval Width (Max):     | 2.97 in  |                     |         |



RoHS

