**Ballast Specification**

**400W M135 / M155**

Pulse Start Metal Halide  
V90D7613  
60 Hz CWA C&C

### Input Volts

<table>
<thead>
<tr>
<th></th>
<th>120</th>
<th>208</th>
<th>240</th>
<th>277</th>
</tr>
</thead>
<tbody>
<tr>
<td>Line Current (Amps)</td>
<td>4.00</td>
<td>2.25</td>
<td>2.00</td>
<td>1.70</td>
</tr>
<tr>
<td>Operating</td>
<td>1.80</td>
<td>0.95</td>
<td>0.90</td>
<td>0.75</td>
</tr>
<tr>
<td>Open Circuit</td>
<td>3.65</td>
<td>2.05</td>
<td>1.85</td>
<td>1.55</td>
</tr>
<tr>
<td>Starting</td>
<td>10</td>
<td>6</td>
<td>5</td>
<td>5</td>
</tr>
</tbody>
</table>

### Capacitor Requirement

- Microfarads: 26.0 uf  
- Volts (Min): 345 V  
- 345 V  
- 345 V  
- 345 V

### Power Factor (%)

- ±10%

### Line Volts

- ±10%

### Lamp Watts

- ±10%

### Efficiency

- 89.0%

### Regulated Line Volts

- 90

### Lamp Watts

- 90

### Insulation Class

- C

### Coil Temperature Code

- C

### Benchtop Coil Rise

- 80.5

### Power Factor (%) HPF

- 90

### Input Watts

- 450 W

### Efficiency

- 89.0%

### Regulated Input Watts

- 450 W

### NOM. Open Circuit Voltage

- 250

### Input Voltage At Lamp Dropout

- 75

### Min Ambient Starting Temp

- -20°F/-30°C

### 60 Hz Test Procedures

#### High Potential Test (Volts)

- 1 Minute: 1,600 V, 1,600 V, 1,600 V, 1,600 V
- 1 Second: 1,900 V, 1,900 V, 1,900 V, 1,900 V

#### Open Circuit Voltage Test (V)

- 225 - 270
- 225 - 270
- 225 - 270
- 225 - 270

#### Short Circuit Current Test (A)

- Min: 3.50, 3.50, 3.50, 3.50
- Max: 4.30, 4.30, 4.30, 4.30

- Min: 2.85, 1.60, 1.45, 1.25
- Max: 4.30, 2.40, 2.15, 1.85

### Core and Coil Specifications

#### Dimension (A)

- 1.92 in, 1.92 in, 1.92 in, 1.92 in

#### Dimension (B)

- 10.0 lbs, 10.0 lbs, 10.0 lbs, 10.0 lbs

#### Lead Lengths

- 12" , 12" , 12" , 12"

### Capacitor Requirement

- Microfarads: 26.0 uf
- Volts (Min): 345 V, 345 V, 345 V, 345 V

### Ordering Information

- Add Suffix for options:
  - C - With Dry Capacitor
  - CB - With Dry Capacitor and Welded Bracket
  - B - With Welded Bracket, no Capacitor
  - K - Prewired, with Dry Capacitor and Bracket Kit

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*RoHS*

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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.

**04/21/2020 Production**

Coil Material (PRI/SEC): Al / Al

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