

# S50120RCM

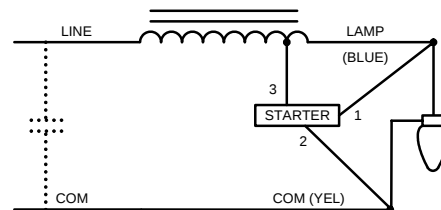
50W S68

High Pressure Sodium

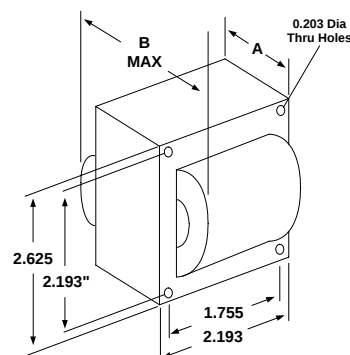
60Hz Reactor

## Specification Sheet

|                                     |             |             |  |  |  |
|-------------------------------------|-------------|-------------|--|--|--|
| <b>Input Volts</b>                  | 120         | 120         |  |  |  |
| <b>Regulation</b>                   |             |             |  |  |  |
| Line Volts                          | ±5%         | ±5%         |  |  |  |
| Lamp Watts                          | ±10%        | ±10%        |  |  |  |
| Power Factor (min)                  | 90%         | -           |  |  |  |
| Input Watts                         | 60 W        | 60 W        |  |  |  |
| NOM. Open Circuit Voltage           | 120 V       | 120 V       |  |  |  |
| <b>Line Current (Amps)</b>          |             |             |  |  |  |
| Operating                           | 0.52        | 1.10        |  |  |  |
| Open Circuit                        | 0.90        | -           |  |  |  |
| Starting                            | 0.50        | 1.10        |  |  |  |
| Recommended Fuse (Amps)             | 3           | 4           |  |  |  |
| Lamp Dropout Voltage (Line)         | 90 V        | 90 V        |  |  |  |
| <b>UL Temperature Ratings</b>       |             |             |  |  |  |
| Insulation Class                    | H (180°C)   | H (180°C)   |  |  |  |
| Temperature Code                    | A           | A           |  |  |  |
| MIN. Starting Temperature           | -40°F -40°C | -40°F -40°C |  |  |  |
| <b>CAPACITOR Specifications</b>     |             |             |  |  |  |
| Microfarads                         | 20 uf       | -           |  |  |  |
| Volts (min.)                        | 120 V       | -           |  |  |  |
| <b>60Hz Test Procedures</b>         |             |             |  |  |  |
| High Potential Test 1 Minute        | 2000 V      | 2000 V      |  |  |  |
| High Potential Test 1 Second        | 2500 V      | 2500 V      |  |  |  |
| Secondary Open Ckt Voltage (V)      | 108 - 132   | 108 - 132   |  |  |  |
| Secondary Current Shorted (A)       | 1.35 - 1.70 | 1.35 - 1.70 |  |  |  |
| Input Operating Current (A)         | 0.45 - 0.60 | 1.00 - 1.25 |  |  |  |
| Input Open Circuit Current (A)      | 0.75 - 1.05 | - - -       |  |  |  |
| Input Short Circuit Current (A)     | 0.45 - 0.85 | 1.35 - 1.70 |  |  |  |
| <b>Core and Coil Specifications</b> |             |             |  |  |  |
| Dimension A                         | .83 in      | .83 in      |  |  |  |
| Dimension B                         | 1.95 in     | 1.95 in     |  |  |  |
| Weight                              | 1.50 lbs    | 1.50 lbs    |  |  |  |
| Lead Lengths (inches)               | 12-14       | 12-14       |  |  |  |
| Coil Material (Pri. / Sec.):        | Cu          | Cu          |  |  |  |



Wiring Diagram



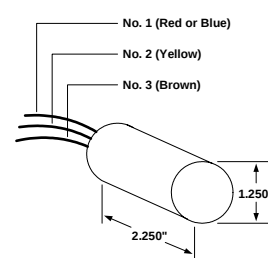
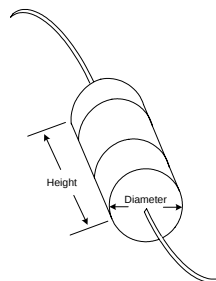
Reference Drawing

### Capacitor: 005-1885-RMF

Max Case Temp: 100 °C  
Height: 2.25 in  
Width / Diameter: 1.87 in

### Ignitor: HPS150-3A

Max Case Temp 105 °C  
BTL: 3 ft



Oil Cap. - P/N 005-1418-MF Consult Catalog for Specs.

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A

Data is based upon tests performed by Universal Lighting Technologies in a controlled environment and is representative of relative performance. Actual performance may vary depending on operating conditions. Specifications are subject to change without notice.

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