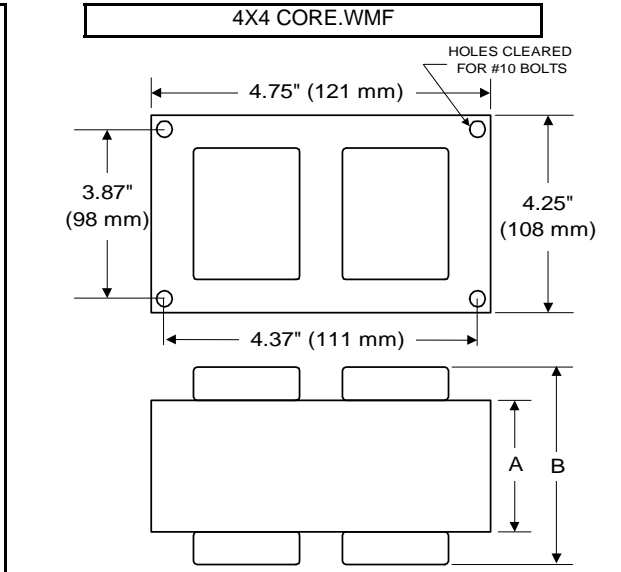




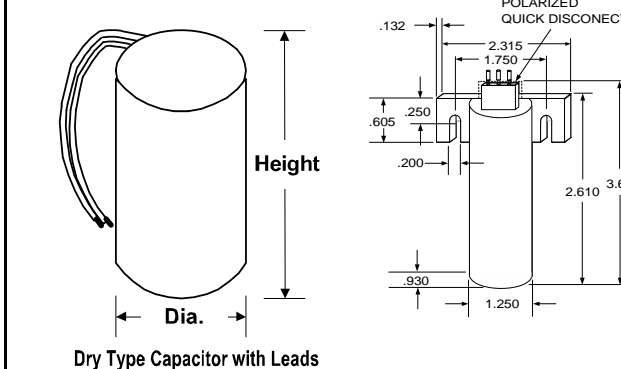
BALLAST SPECIFICATION

400W S51
High Pressure Sodium
V90AS1950
60 Hz CWI C&C

| | | |
|---------------------------------------|----------------------|----------------------|
| Input Volts | 600 | 347 |
| Line Current (Amps) | | |
| Operating | 0.80 | 1.40 |
| Open Circuit | 0.25 | 0.40 |
| Starting | 0.50 | 0.90 |
| Recommended Fuse (Amps) | 2 | 4 |
| Regulation | | |
| Line Volts | ±10% | ±10% |
| Lamp Watts | ±6% | ±6% |
| Temperature Ratings | | |
| Insulation Class | 180 (H) | 180 (H) |
| Coil Temperature Code | D | H |
| Benchtop Coil Rise | 85.1 | 108.2 |
| Power Factor (Min) HPF | 90 | 90 |
| Input Watts | 450 W | 450 W |
| Efficiency | | |
| NOM. Open Circuit Voltage | 190 | 190 |
| Input Voltage At Lamp Dropout | 290 | 180 |
| Min Ambient Starting Temp | -40°F/-40°C | -40°F/-40°C |
| 60 HZ TEST PROCEDURES | | |
| High Potential Test (Volts) | | |
| 1 Minute | 2,200 V | 2,200 V |
| 1 Second | 2,700 V | 2,700 V |
| Open Circuit Voltage Test (V) | 170 - 210 | 170 - 210 |
| Short Circuit Current Test (A) | | |
| Secondary Current | Min 5.35 Max 6.55 | Min 5.35 Max 6.55 |
| Input Current | Min 0.25 Max 0.35 | Min 0.25 Max 0.35 |
| CORE and COIL Specifications | | |
| Dimension (A) | 2.45 in | 2.45 in |
| Dimension (B) | 4.30 in | 4.30 in |
| Weight | 14.6 lb's | 14.6 lb's |
| Lead Lengths | 12 " | 12 " |
| Capacitor Requirement | | |
| Microfarads | 45.0 uf | 45.0 uf |
| Volts (Min) | 270 V | 270 V |



| | | | |
|-------------------|---------|---------------------|---------|
| Capacitor: | ACG222 | Ignitor: | BVS-005 |
| Microfarads: | 45.0 uf | Case Temp (Max): | 105 °C |
| Volts (Max): | 330 V | BTL Distance (Max): | 2 ft |
| Case Temp (Max): | 100 °C | | |
| Height (Max): | 4.67 in | | |
| Dia (Max): | 1.80 in | | |



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

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.

1/20/2011 **Production** Coil material: primary Cu and secondary Cu

