BALLAST SPECIFICATION

400W S51

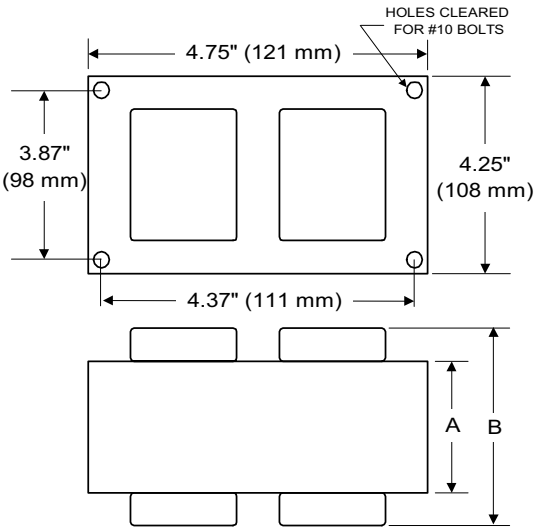
High Pressure Sodium

V90E1950

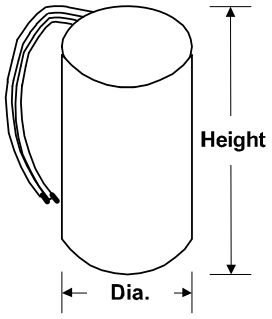
60 Hz CWI C&C

Input Volts	120	240			
Line Current (Amps)					
Operating	4.05	2.03			
Open Circuit	1.50	0.75			
Starting	1.30	0.65			
Recommended Fuse (Amps)	11	6			
Regulation					
Line Volts	±10%	±10%			
Lamp Watts	±6%	±6%			
Temperature Ratings					
Insulation Class	180 (H)	180 (H)			
Coil Temperature Code	F	F			
Benchtop Coil Rise					
Power Factor (Min) HPF	90	90			
Input Watts	470 W	470 W			
Efficiency					
NOM. Open Circuit Voltage	190	190			
Input Voltage At Lamp Dropout	90	180			
Min Ambient Starting Temp	-40°F/-40°C	-40°F/-40°C			
60 HZ TEST PROCEDURES					
High Potential Test (Volts)					
1 Minute	1,500 V	1,500 V			
1 Second	1,800 V	1,800 V			
Open Circuit Voltage Test (V)	170 - 210	170 - 210			
Short Circuit Current Test (A)					
Secondary Current Min	5.50	5.50			
Secondary Current Max	6.70	6.70			
Input Current Min	1.00	0.50			
Input Current Max	1.60	0.80			
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)	330 V	330 V			

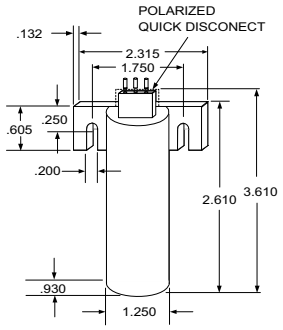
4X4 CORE.WMF



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		



Dry Type Capacitor with Leads



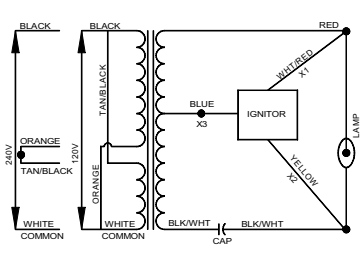
Ordering Information Add Suffix for options

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



RoHS

Data is based upon tests performed by Venture Lighting in a controlled environment and is representitive 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