

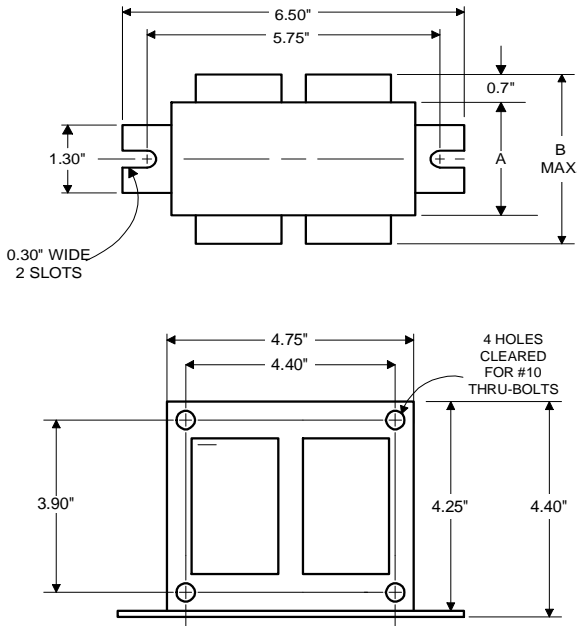


High Pressure  
Sodium  
Lamp Ballast

Catalog Number 71A82E6  
For 250W S50  
60 Hz CWI  
Status: Active

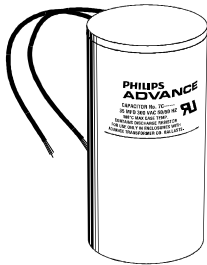
**DIMENSIONS AND DATA**

4 1/4 X 4 3/4 CORE - 2 COIL UNIT



INPUT VOLTS	120	208	240		
CIRCUIT TYPE	CWI				
POWER FACTOR (min)	90%				
REGULATION					
Line Volts	±10%				
Lamp Watts	WITHIN TRAPEZOID				
LINE CURRENT (Amps)					
Operating.....	2.75	1.60	1.38		
Open Circuit.....	1.50	0.87	0.75		
Starting.....	1.20	0.70	0.60		
UL TEMPERATURE RATINGS					
Insulation Class	H(180°C)				
Coil Temperature Code	1029				
MIN. AMBIENT STARTING TEMP.	-40°F or -40°C				
NOM. OPEN CIRCUIT VOLTAGE	190				
INPUT VOLTAGE AT LAMP DROPOUT.....	90	156	180		
INPUT WATTS	300				
RECOMMENDED FUSE (Amps).....	8	5	5		
CORE and COIL					
Dimension (A)	1.85				
Dimension (B)	3.80				
Weight (lbs.)	11				
Lead Lengths	12"				
CAPACITOR REQUIREMENT					
Microfarads	28.0				
Volts (min.)	300				
Fault Current Withstand (amps)					
60 Hz TEST PROCEDURES (Refer to Advance Test Procedure for HID Ballasts - Form 1270)					
High Potential Test (Volts)					
1 minute	2000				
2 seconds	2500				
Open Circuit Voltage Test (Volts)	170-210				
Short-Circuit Current Test (Amps)					
Secondary Current	3.55-4.35				
Input Current.....	0.70-1.30	0.45-0.85	0.35-0.65	-	-

Capacitor: 7C280P30-R



Capacitance: 28  
Dia/Oval Dim: 1.75  
Height: 3.75  
Temp Rating: 105°C

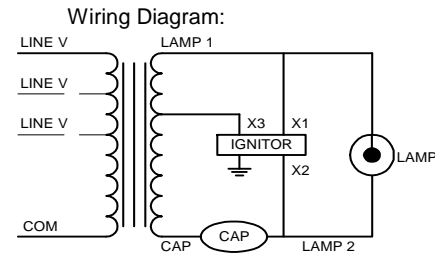


Fig. V

**Ordering Information**

Order Suffix	Description

Ignitor: LI501-J4



Red (X1)  
White (X2)  
Blue (X3)

Ballast to Lamp Distance (BTL) = 2 feet  
Temp Rating: 105°C

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

**ADVANCE TRANSFORMER CO.**

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