



High Pressure  
Sodium  
Lamp Ballast

Catalog Number 71A8241  
For 250W S50  
60 Hz CWA  
Status: Active

**DIMENSIONS AND DATA**

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



INPUT VOLTS	480				
CIRCUIT TYPE	CWA				
POWER FACTOR (min)	90%				
REGULATION					
Line Volts	±10%				
Lamp Watts	WITHIN TRAPEZOID				
LINE CURRENT (Amps)					
Operating.....	0.63				
Open Circuit.....	0.45				
Starting.....	0.40				
UL TEMPERATURE RATINGS					
Insulation Class	H(180°C)				
Coil Temperature Code	1029				
MIN. AMBIENT STARTING TEMP.	-40F or -40C				
NOM. OPEN CIRCUIT VOLTAGE	187				
INPUT VOLTAGE AT LAMP DROPOUT.....	360				
INPUT WATTS	310				
RECOMMENDED FUSE (Amps).....	2				
CORE and COIL					
Dimension (A)	1.80				
Dimension (B)	3.45				
Weight (lbs.)	11				
Lead Lengths	12"				
CAPACITOR REQUIREMENT					
Microfarads	35.0				
Volts (min.)	240				
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)	170-205				
Short-Circuit Current Test (Amps)					
Secondary Current	3.70-4.50				
Input Current.....	0.25-0.45				

Capacitor: 7C350P24



Capacitance: 35  
Dia/Oval Dim: 1.75  
Height: 3.75  
Temp Rating: 105°C

Wiring Diagram:

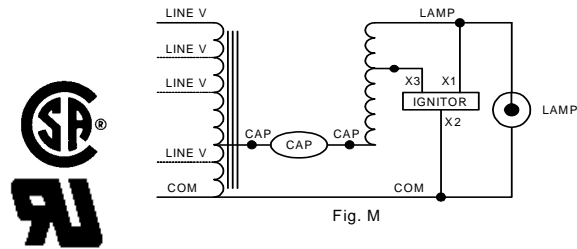


Fig. M

**Ordering Information**

Order Suffix	Description

Ignitor: LI501-H4



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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