



High Pressure  
Sodium  
Lamp Ballast

Catalog Number 71A84Y3  
For 400W S51  
60 Hz CWA  
Status: Active

**DIMENSIONS AND DATA**

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



INPUT VOLTS	230	400	480		
CIRCUIT TYPE	CWA				
POWER FACTOR (min)	90%				
REGULATION	±10%				
Line Volts	WITHIN TRAPEZOID				
Lamp Watts	WITHIN TRAPEZOID				
LINE CURRENT (Amps)					
Operating.....	2.00	1.20	1.00		
Open Circuit.....	0.95	0.55	0.46		
Starting.....	1.80	1.00	0.85		
UL TEMPERATURE RATINGS	H(180°C)				
Insulation Class	1029				
Coil Temperature Code	D	C	C		
MIN. AMBIENT STARTING TEMP.	-40°F or -40°C				
NOM. OPEN CIRCUIT VOLTAGE	190				
INPUT VOLTAGE AT LAMP DROPOUT.....	166	288	341		
INPUT WATTS	465				
RECOMMENDED FUSE (Amps).....	5	3	3		
CORE and COIL					
Dimension (A)	2.30				
Dimension (B)	4.20				
Weight (lbs.)	14.3				
Lead Lengths	12"				
CAPACITOR REQUIREMENT					
Microfarads	55.0				
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)	170-210				
Short-Circuit Current Test (Amps)					
Secondary Current	6.10-7.40				
Input Current.....	1.44-2.16	0.81-1.21	0.68-1.02	-	-

Capacitor: 7C550P24RA



Capacitance: 55  
Dia/Oval Dim: 1.85  
Height: 3.7  
Temp Rating: 105°C

Wiring Diagram:

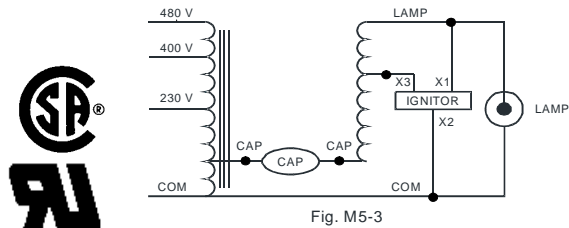


Fig. M5-3

**Ordering Information**

Order Suffix	Description
500D	Ballast w / Dry Cap. & Ignitor (when required)

Ignitor: LI501-H4



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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