

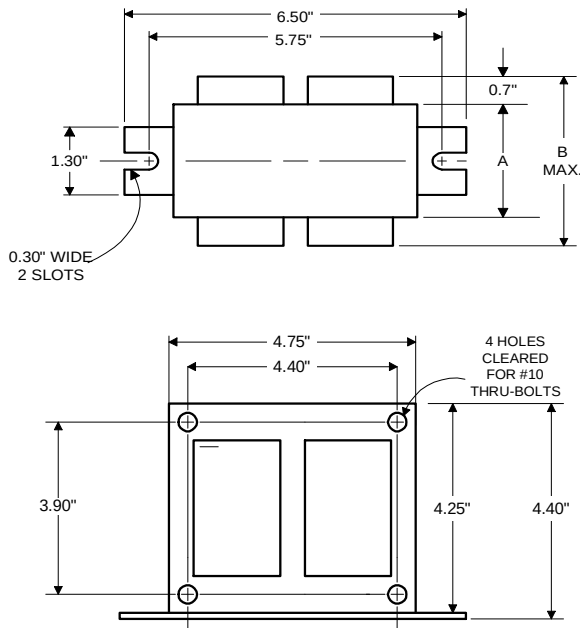
PHILIPS ADVANCE

High Pressure Sodium Lamp Ballast

Catalog Number 71A82A1
For 250W S50
60 Hz CWA
Status: Active

DIMENSIONS AND DATA

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



Capacitor: 7C350P24RA



Capacitance: 35
Dia/Oval Dim: 1.65
Height: 3.7
Temp Rating: 105°C

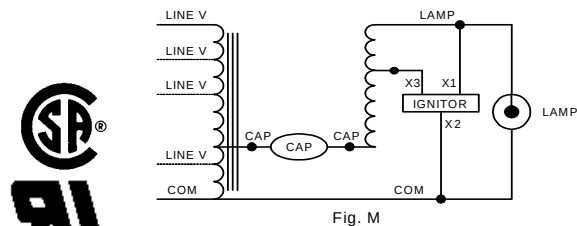
Ignitor: LI501-H4



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

INPUT VOLTS	120	277	347		
CIRCUIT TYPE	CWA				
POWER FACTOR (min)	90%				
REGULATION					
Line Volts	±10%				
Lamp Watts	WITHIN TRAPEZOID				
LINE CURRENT (Amps)					
Operating.....	2.70	1.15	0.93		
Open Circuit.....	1.70	0.75	0.70		
Starting.....	1.65	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	187				
INPUT VOLTAGE AT LAMP DROPOUT.....	90	208	260		
INPUT WATTS	295				
RECOMMENDED FUSE (Amps).....	7	3	2		
CORE and COIL					
Dimension (A)	1.94				
Dimension (B)	3.60				
Weight (lbs.)	11.5				
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.....	0.70-1.10	0.38-0.45	0.20-0.38	-	-

Wiring Diagram:



Ordering Information

Order Suffix

Description

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

Philips Lighting Electronic N.A.

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06/25/13