

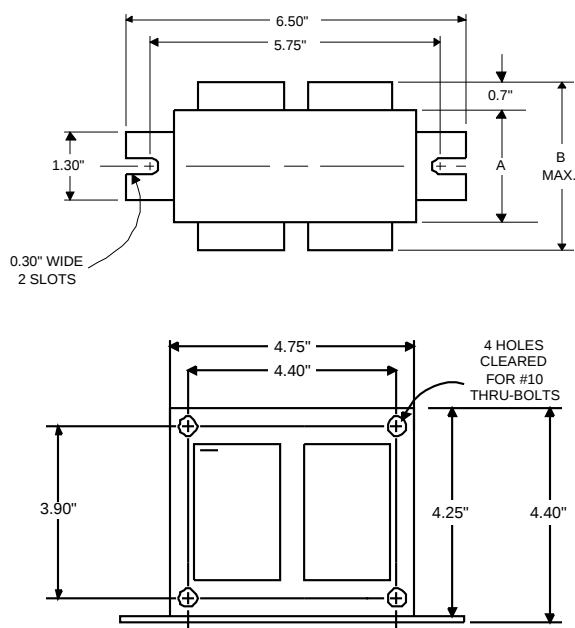
**PHILIPS
ADVANCE**

**High Pressure
Sodium
Lamp Ballast**

Catalog Number 71A8453
For 400W S51/M169
60 Hz CWA
Status: Active

DIMENSIONS AND DATA

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



Capacitor: 7C550P24



Capacitance: 55
Dia/Oval Dim: 1.75
Height: 5.15
Temp Rating: 105°C

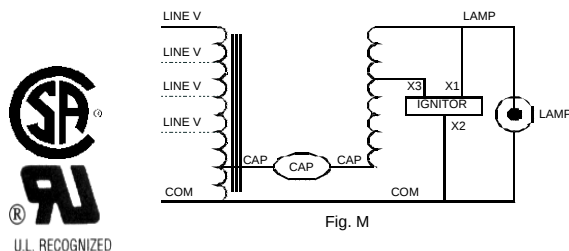
Ignitor: LI501-H4



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

INPUT VOLTS		120	208	240	277	480
CIRCUIT TYPE	CWA					
POWER FACTOR (min)	98%					
REGULATION						
Line Volts	±10%					
Lamp Watts	±10%					
LINE CURRENT (Amps)						
Operating.....		3.86	2.20	1.93	1.73	0.96
Open Circuit.....		1.80	1.00	0.90	0.84	0.44
Starting.....		3.45	2.00	1.74	1.54	0.90
UL TEMPERATURE RATINGS	H(180°C)					
Insulation Class	1029					
Coil Temperature Code	-40°F or -40°C	C	C	D	D	C
MIN. AMBIENT STARTING TEMP.	195					
NOM. OPEN CIRCUIT VOLTAGE						
INPUT VOLTAGE AT LAMP DROPOUT.....	465	86	150	171	193	335
INPUT WATTS						
RECOMMENDED FUSE (Amps).....		10	6	5	5	3
CORE and COIL	2.65					
Dimension (A)	4.35					
Dimension (B)	16					
Weight (lbs.)	12"					
Lead Lengths						
CAPACITOR REQUIREMENT	55.0					
Microfarads	240					
Volts (min.)						
Fault Current Withstand (amps)						
60 Hz TEST PROCEDURES (Refer to Philips Lighting Electronics N.A. TEST Procedure for HID Ballasts - Form High Potential Test (Volts)	2000					
1 minute	2500					
2 seconds	176-214					
Open Circuit Voltage Test (Volts)						
Short-Circuit Current Test (Amps)	6.10-7.40					
Secondary Current						
Input Current.....		2.68	1.54	1.35	1.18	0.67
		4.03	2.30	2.01	1.77	1.00

Wiring Diagram:



Typical Ordering Information

(please call Philips Lighting Electronics N.A. for suffix availability)

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

PHILIPS LIGHTING ELECTRONICS N.A.

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