

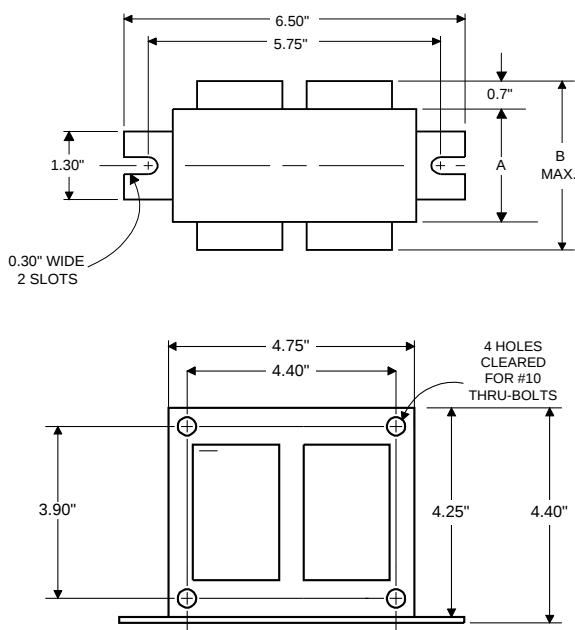
**PHILIPS
ADVANCE**

**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



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					
Insulation Class	H(180°C)				
Coil Temperature Code	1029				
MIN. AMBIENT STARTING TEMP.	-40°F or -40°C				
NOM. OPEN CIRCUIT VOLTAGE	195				
INPUT VOLTAGE AT LAMP DROPOUT.....	86	150	171	193	335
INPUT WATTS	465				
RECOMMENDED FUSE (Amps).....	10	6	5	5	3
CORE and COIL					
Dimension (A)	2.65				
Dimension (B)	4.35				
Weight (lbs.)	16				
Lead Lengths	12"				
CAPACITOR REQUIREMENT					
Microfarads	55.0				
Volts (min.)	240				
Fault Current Withstand (amps)					
60 Hz TEST PROCEDURES (Refer to Philips Lighting Electronics N.A. TEST Procedure for HID Ballasts - Form 127)					
High Potential Test (Volts)					
1 minute	2000				
2 seconds	2500				
Open Circuit Voltage Test (Volts)	176-214				
Short-Circuit Current Test (Amps)					
Secondary Current	6.10-7.40				
Input Current.....	2.68-4.03	1.54-2.30	1.35-2.01	1.18-1.77	0.67-1.00

Capacitor: 7C550P24



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



Wiring Diagram:

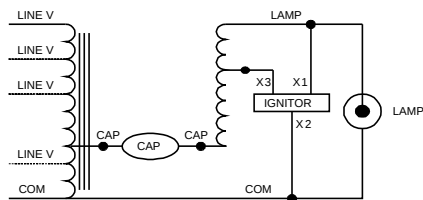


Fig. M

Typical Ordering Information

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

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 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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