

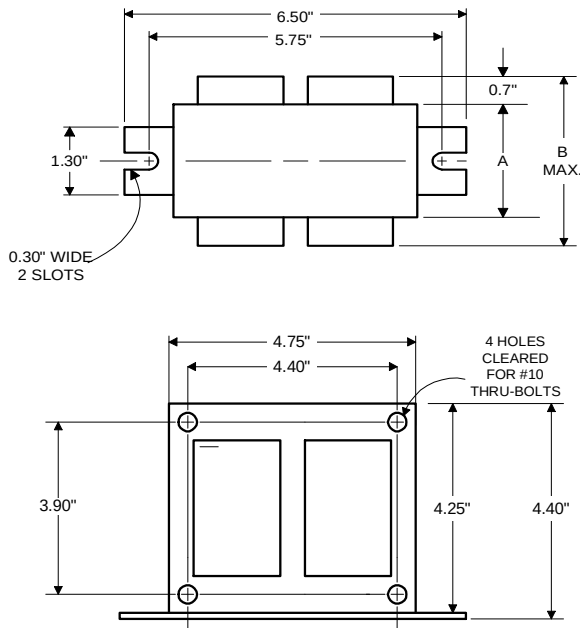
PHILIPS ADVANCE

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



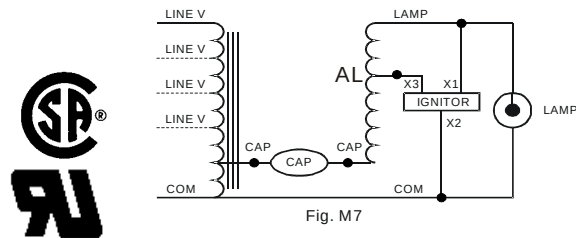
INPUT VOLTS	120	208	240	277	480
CIRCUIT TYPE	CWA				
POWER FACTOR (min)	90%				
REGULATION					
Line Volts	±10%				
Lamp Watts	±10%				
LINE CURRENT (Amps)					
Operating.....	3.85	2.20	1.95	1.75	0.95
Open Circuit.....	1.73	1.00	0.89	0.73	0.41
Starting.....	2.91	1.67	1.42	1.26	0.72
UL TEMPERATURE RATINGS					
Insulation Class	H(180°C)				
Coil Temperature Code	1029				
MIN. AMBIENT STARTING TEMP.	-40°F or -40°C				
NOM. OPEN CIRCUIT VOLTAGE	190				
INPUT VOLTAGE AT LAMP DROPOUT.....	82	101	129	153	218
INPUT WATTS	460				
RECOMMENDED FUSE (Amps).....	10	6	5	5	3
CORE and COIL					
Dimension (A)	2.65				
Dimension (B)	4.84				
Weight (lbs.)	16				
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	6.00-7.40				
Input Current.....	2.48-3.72	1.40-2.10	1.24-1.86	1.07-1.61	0.62-0.94

Capacitor: 7C550P24RA



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

Wiring Diagram:



Ignitor: LI501-H4



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

Ordering Information

Order Suffix	Description
001D	STANDARD IC PACK WITH DRY CAP - NO FLAG TERMINALS
500D	Ballast w / Dry Cap. & Ignitor (when required)

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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07/29/13