

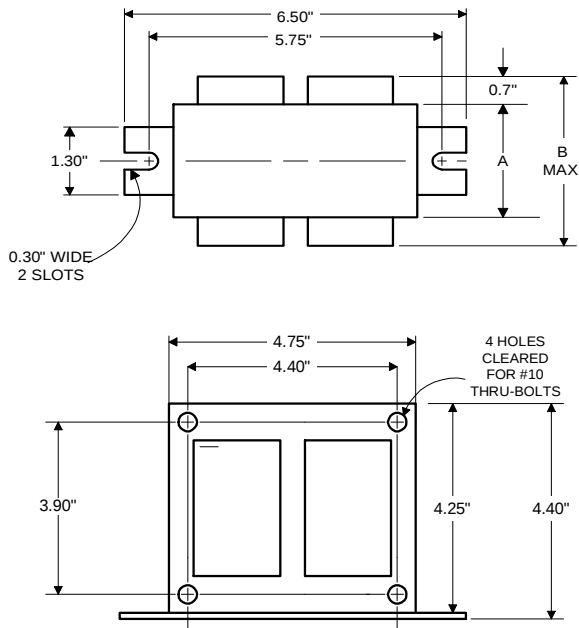
PHILIPS ADVANCE

High Pressure Sodium Lamp Ballast

Catalog Number 71A9937
For 400W S-51
60 Hz CWA
Status: Active

DIMENSIONS AND DATA

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



Capacitor: 7C550P24RA



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

Ignitor: LI501-H4



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

INPUT VOLTS		127	220	240	277
CIRCUIT TYPE		CWA			
POWER FACTOR (min)		90%			
REGULATION					
Line Volts		±10%			
Lamp Watts		WITHIN TRAPEZOID			
LINE CURRENT (Amps)					
Operating.....		3.55	2.10	1.90	1.70
Open Circuit.....		1.62	0.95	0.90	0.75
Starting.....		2.92	1.70	1.58	1.35
UL TEMPERATURE RATINGS					
Insulation Class		H(180°C)			
Coil Temperature Code		1029			
MIN. AMBIENT STARTING TEMP.		-20°F or -30°C			
NOM. OPEN CIRCUIT VOLTAGE		190			
INPUT VOLTAGE AT LAMP DROPOUT.....		90	160	180	210
INPUT WATTS		464			
RECOMMENDED FUSE (Amps).....		10	8	5	5
CORE and COIL					
Dimension (A)		2.29			
Dimension (B)		4.00			
Weight (lbs.)		13.5			
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		6.00-7.50			
Input Current.....		2.35-3.50	1.35-2.05	1.25-1.90	1.10-1.60

Wiring Diagram:

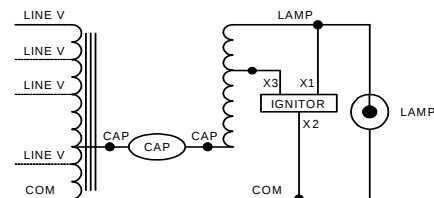


Fig. M

Ordering Information

Order Suffix	Description
500DM	Dry cap, NOM (Mexico) Label, No flag terminals

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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