

PHILIPS ADVANCE

High Pressure Sodium Lamp Ballast

Catalog Number 71A82E6
For 250W S50
60 Hz CWI
Status: Active

DIMENSIONS AND DATA

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



INPUT VOLTS	120	208	240		
CIRCUIT TYPE	CWI				
POWER FACTOR (min)	90%				
REGULATION					
Line Volts	±10%				
Lamp Watts	WITHIN TRAPEZOID				
LINE CURRENT (Amps)					
Operating.....	2.75	1.60	1.38		
Open Circuit.....	1.50	0.87	0.75		
Starting.....	1.20	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	190				
INPUT VOLTAGE AT LAMP DROPOUT.....	90	156	180		
INPUT WATTS	300				
RECOMMENDED FUSE (Amps).....	8	5	5		
CORE and COIL					
Dimension (A)	1.85				
Dimension (B)	3.80				
Weight (lbs.)	11				
Lead Lengths	12"				
CAPACITOR REQUIREMENT					
Microfarads	28.0				
Volts (min.)	300				
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	3.55-4.35				
Input Current.....	0.70-1.30	0.45-0.85	0.35-0.65	-	-

Capacitor: 7C280P30RA



Capacitance: 28
Dia/Oval Dim: 1.85
Height: 3.7
Temp Rating: 105°C

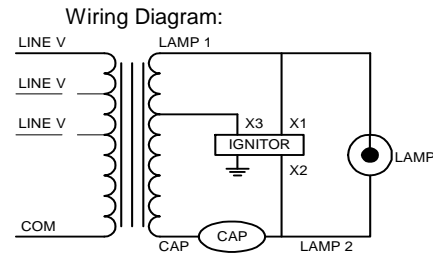


Fig. V

Ordering Information

Order Suffix	Description

Ignitor: LI501-J4



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 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.

10275 West Higgins Road · Rosemont, IL 60018 · Tel:800-322-2086 Fax:888-432-1882
Customer Support/ Technical Service:800-372-3331 · OEM Support: 866-915-5886

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