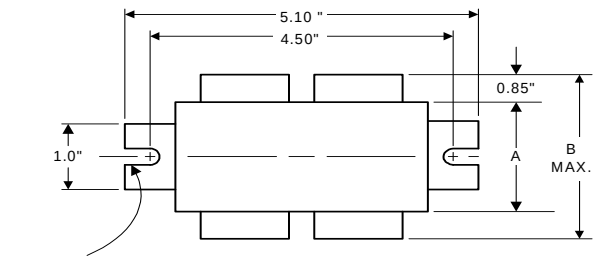
PHILIPS
ADVANCE

High Pressure Sodium Lamp Ballast

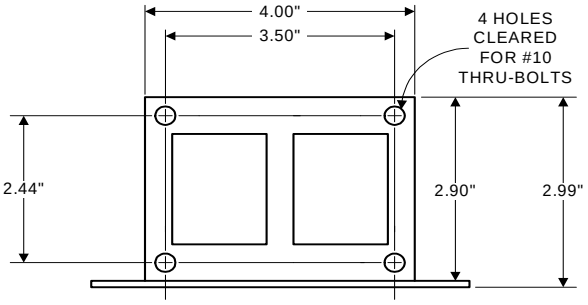
Catalog Number 71A99J7
For 70W SON-T PIA
60 Hz CWA
Status: Active

DIMENSIONS AND DATA

3 X 4 CORE - 2 COIL UNIT



0.25" WIDE
2 SLOTS



INPUT VOLTS		127	220	240		
CIRCUIT TYPE	CWA					
POWER FACTOR (min)	90%					
REGULATION						
Line Volts	±10%					
Lamp Watts	±10%					
LINE CURRENT (Amps)						
Operating		0.70	0.40	0.35		
Open Circuit		0.48	0.28	0.15		
Starting		0.24	0.14	0.13		
UL TEMPERATURE RATINGS						
Insulation Class	H(180℃)					
Coil Temperature Code	1029	A	A	A		
MIN. AMBIENT STARTING TEMP.	-20℉ or -30℃					
NOM. OPEN CIRCUIT VOLTAGE	190					
INPUT VOLTAGE AT LAMP DROPOUT		87	156	168		
INPUT WATTS	86					
RECOMMENDED FUSE (Amps)		2	1	1		
CORE and COIL						
Dimension (A)	2.40					
Dimension (B)	3.85					
Weight (lbs.)	8					
Lead Lengths	12"					
CAPACITOR REQUIREMENT						
Microfarads	10.0					
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)	180-200					
Short-Circuit Current Test (Amps)						
Secondary Current	1.15-1.45					
Input Current		0.19-0.30	0.11-0.18	0.10-0.17	-	-

Capacitor: 7C100M30RA



Capacitance: 10
Dia/Oval Dim: 1.65
Height: 2.75
Temp Rating: 105℃

Wiring Diagram:

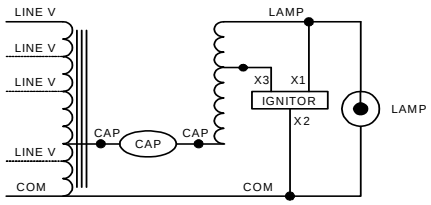


Fig. M

Ignitor: LI501-J4



Red (X1)
White (X2)
Blue (X3)

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

Ordering Information

Order Suffix	Description

Data is based upon tests performed by Philips Lighting Electronic N.A. in a controlled environment and representitive 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

11/08/12