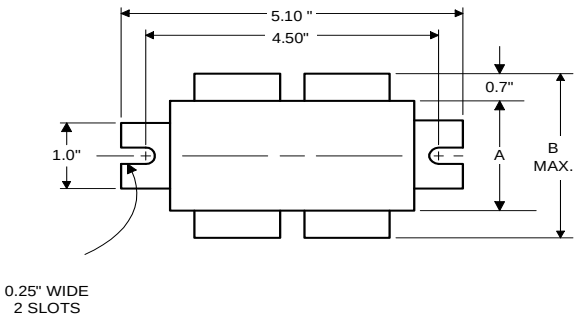
PHILIPS
ADVANCE

High Pressure Sodium Lamp Ballast

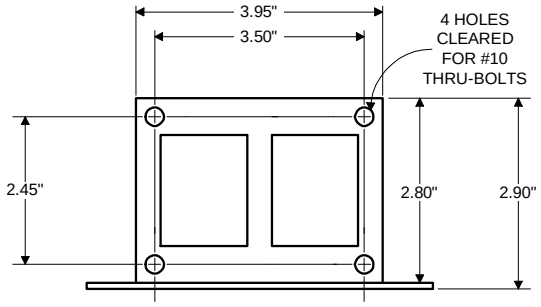
Catalog Number 71A7891
For 50W S68
60 Hz HX-HPF
Status: Active

DIMENSIONS AND DATA

3 X 4 CORE - 2 COIL UNIT



0.25" WIDE
2 SLOTS



INPUT VOLTS		120	208	240	277	
CIRCUIT TYPE	HX-HPF					
POWER FACTOR (min)	90%					
REGULATION						
Line Volts	±5%					
Lamp Watts	WITHIN TRAPEZOID					
LINE CURRENT (Amps)						
Operating		0.61	0.35	0.31	0.26	
Open Circuit		1.00	0.57	0.50	0.45	
Starting		0.65	0.37	0.32	0.30	
UL TEMPERATURE RATINGS						
Insulation Class	H(180℃)					
Coil Temperature Code	1029	A	A	A	A	
MIN. AMBIENT STARTING TEMP.	-20℉ or -30℃					
NOM. OPEN CIRCUIT VOLTAGE	125					
INPUT VOLTAGE AT LAMP DROPOUT		96	166	196	222	
INPUT WATTS	66					
RECOMMENDED FUSE (Amps)		3	2	2	1	
CORE and COIL						
Dimension (A)	1.00					
Dimension (B)	2.20					
Weight (lbs.)	3.5					
Lead Lengths	12"					
CAPACITOR REQUIREMENT						
Microfarads	5.0					
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)	115-135					
Short-Circuit Current Test (Amps)						
Secondary Current	1.30-1.90					
Input Current		0.60-0.80	0.32-0.48	0.30-0.40	0.25-0.35	-

Capacitor: 7C050L30RA



Capacitance: 5
Dia/Oval Dim: 1.25
Height: 2.25
Temp Rating: 105℃

Wiring Diagram:

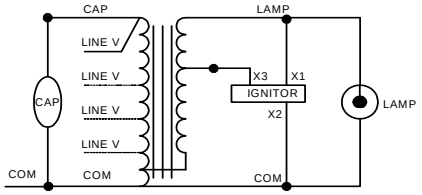


Fig. K

Ignitor: LI551-H4



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.
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Customer Support/ Technical Service:800-372-3331 · OEM Support: 866-915-5886

06/24/13