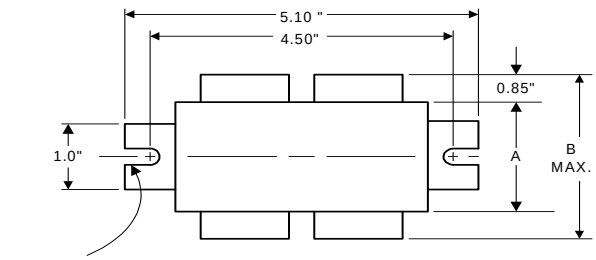
PHILIPS
ADVANCE

High Pressure Sodium Lamp Ballast

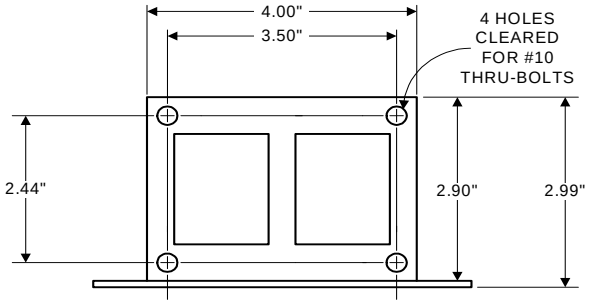
Catalog Number 71A7991
For 70W S62
60 Hz HX-HPF
Status: Active

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		0.81	0.47	0.40	0.35	
Open Circuit		1.46	0.86	0.73	0.64	
Starting		0.85	0.51	0.43	0.39	
UL TEMPERATURE RATINGS						
Insulation Class	H(180℃)					
Coil Temperature Code	1029	B	C	B	C	
MIN. AMBIENT STARTING TEMP.	-40℉ or -40℃					
NOM. OPEN CIRCUIT VOLTAGE	120					
INPUT VOLTAGE AT LAMP DROPOUT		96	166	192	222	
INPUT WATTS	96					
RECOMMENDED FUSE (Amps)		5	3	2	2	
CORE and COIL						
Dimension (A)	1.52					
Dimension (B)	2.90					
Weight (lbs.)	4.5					
Lead Lengths	12"					
CAPACITOR REQUIREMENT						
Microfarads	7.0					
Volts (min.)	280					
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)	110-130					
Short-Circuit Current Test (Amps)						
Secondary Current	2.10-2.45					
Input Current		0.60-0.95	0.35-0.60	0.30-0.50	0.25-0.40	-

Capacitor: 7C070L30RA



Capacitance: 7
Dia/Oval Dim: 1.25
Height: 2.75
Temp Rating: 105℃

Ignitor: LI551-H4



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

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

Wiring Diagram:

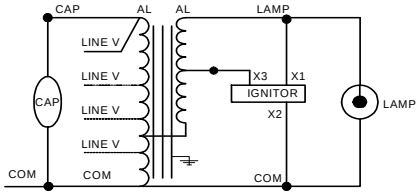


Fig. K4

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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02/21/13