

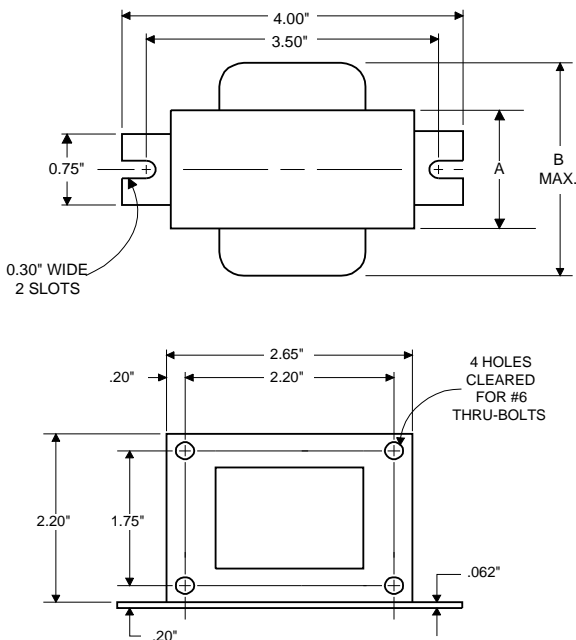
**PHILIPS
ADVANCE**

**High Pressure
Sodium
Lamp Ballast**

**Catalog Number 71A7807
For 50W S68
60 Hz R-HPF
Status: Active**

DIMENSIONS AND DATA

2 5/8 X 2 3/16 CORE



INPUT VOLTS	120				
CIRCUIT TYPE	R-HPF				
POWER FACTOR (min)	90%				
REGULATION					
Line Volts	±5%				
Lamp Watts	WITHIN TRAPEZOID				
LINE CURRENT (Amps)					
Operating.....	0.55				
Open Circuit.....	0.90				
Starting.....	0.95				
UL TEMPERATURE RATINGS					
Insulation Class	H(180°C)				
Coil Temperature Code	1029	A			
MIN. AMBIENT STARTING TEMP.	-40°F or -40°C				
NOM. OPEN CIRCUIT VOLTAGE	120				
INPUT VOLTAGE AT LAMP DROPOUT.....	96				
INPUT WATTS	62				
RECOMMENDED FUSE (Amps).....	3				
CORE and COIL					
Dimension (A)	0.95				
Dimension (B)	2.30				
Weight (lbs.)	2				
Lead Lengths	12"				
CAPACITOR REQUIREMENT					
Microfarads	20.0				
Volts (min.)	120				
Fault Current Withstand (amps)					
60 Hz TEST PROCEDURES (Refer to Philips Lighting Electronics N.A. TEST Procedure for HID Ballasts - Form 127 High Potential Test (Volts)					
1 minute	2000				
2 seconds	2500				
Open Circuit Voltage Test (Volts)	114-126				
Short-Circuit Current Test (Amps)					
Secondary Current	1.45-2.20				
Input Current.....	0.60-0.90	-	-	-	-

Capacitor: 7C200M12



Capacitance: 20
Dia/Oval Dim: 1.5
Height: 2.9
Temp Rating: 105°C



Wiring Diagram:

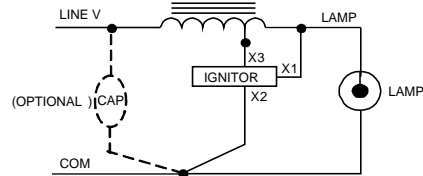


Fig. G

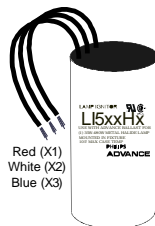
Typical Ordering Information

(please call Philips Lighting Electronics N.A. for suffix availability)

Order Suffix

Description

Ignitor: LI551-H4



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 Electronics N.A. in a controlled environment and is representative of relative performance. Actual performance can vary depending on operating conditions. Specifications are subject to change without notice.

PHILIPS LIGHTING ELECTRONICS N.A.

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