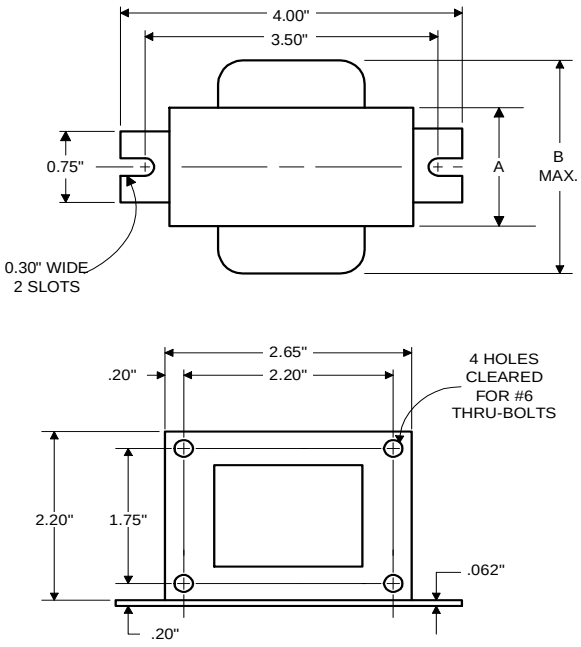
PHILIPS
ADVANCE

High Pressure Sodium Lamp Ballast

Catalog Number 71A9917
For 100W SON-T PIA
60 Hz LEAD-REACTOR
Status: Active

DIMENSIONS AND DATA

2 5/8 X 2 3/16 CORE



INPUT VOLTS		220	240			
CIRCUIT TYPE	LEAD-REACTOR					
POWER FACTOR (min)	90%					
REGULATION						
Line Volts	±5%					
Lamp Watts	±10%					
LINE CURRENT (Amps)						
Operating		0.52	0.46			
Open Circuit		0.97	1.06			
Starting		0.56	0.40			
UL TEMPERATURE RATINGS						
Insulation Class	H(180℃)					
Coil Temperature Code	1029	A	A			
MIN. AMBIENT STARTING TEMP.	-20℉ or -30℃					
NOM. OPEN CIRCUIT VOLTAGE	220					
INPUT VOLTAGE AT LAMP DROPOUT		110	120			
INPUT WATTS	112					
RECOMMENDED FUSE (Amps)		4	4			
CORE and COIL						
Dimension (A)	2.00					
Dimension (B)	3.25					
Weight (lbs.)	4					
Lead Lengths	12"					
CAPACITOR REQUIREMENT						
Microfarads	12.0					
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)	202-233					
Short-Circuit Current Test (Amps)						
Secondary Current	1.20-1.65					
Input Current		0.44-0.66	0.33-0.40	-	-	-

Capacitor: 7C120M30RA



Capacitance: 12
Dia/Oval Dim: 1.65
Height: 2.75
Temp Rating: 105℃

Ignitor: LI533-H4



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

Wiring Diagram:

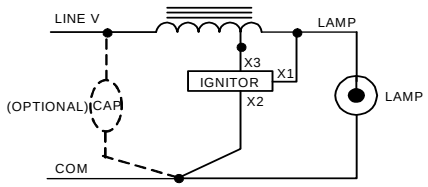


Fig. G

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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