

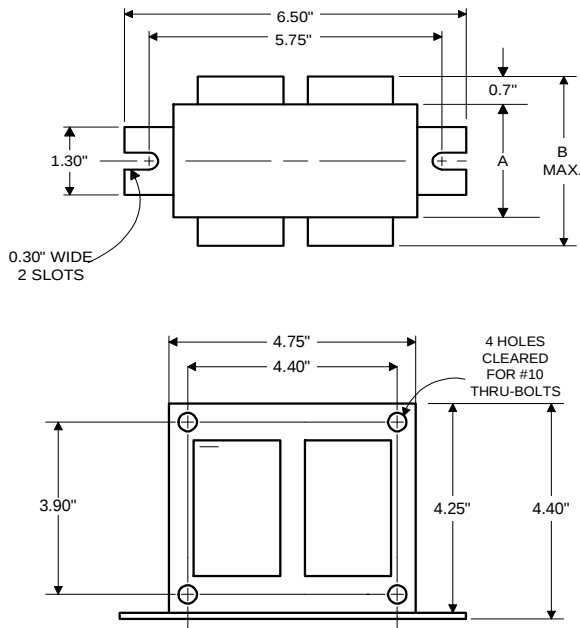
PHILIPS ADVANCE

High Pressure Sodium Lamp Ballast

Catalog Number 71A99J9
For 100W SON-T PIA+ or M90
60 Hz CWA
Status: Active

DIMENSIONS AND DATA

4 1/4 X 4 3/4 CORE - 2 COIL UNIT



INPUT VOLTS	127	220	240		
CIRCUIT TYPE	CWA				
POWER FACTOR (min)	90%				
REGULATION					
Line Volts	±10%				
Lamp Watts	±10%				
LINE CURRENT (Amps)					
Operating.....	0.97	0.55	0.51		
Open Circuit.....	0.52	0.30	0.27		
Starting.....	0.64	0.37	0.34		
UL TEMPERATURE RATINGS					
Insulation Class	H(180°C)				
Coil Temperature Code	1029				
MIN. AMBIENT STARTING TEMP.	-20°F or -30°C				
NOM. OPEN CIRCUIT VOLTAGE	200				
INPUT VOLTAGE AT LAMP DROPOUT.....	98	175	190		
INPUT WATTS	120				
RECOMMENDED FUSE (Amps).....	2	2	2		
CORE and COIL					
Dimension (A)	2.48				
Dimension (B)	3.75				
Weight (lbs.)	7.65				
Lead Lengths	12"				
CAPACITOR REQUIREMENT					
Microfarads	11.0				
Volts (min.)	370				
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)	190-210				
Short-Circuit Current Test (Amps)					
Secondary Current	1.40-1.80				
Input Current.....	0.39-0.58	0.17-0.33	0.20-0.31	-	-

Capacitor: 7C110M40



Capacitance: 11
Dia/Oval Dim: 1.65
Height: 3.75
Temp Rating: 105°C

Wiring Diagram:

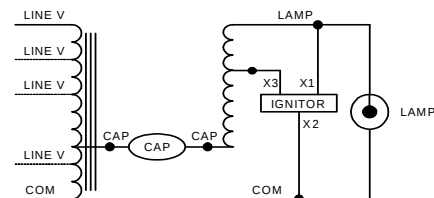


Fig. M

Ordering Information

Order Suffix

Description

Ignitor:

LI533-H4



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

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