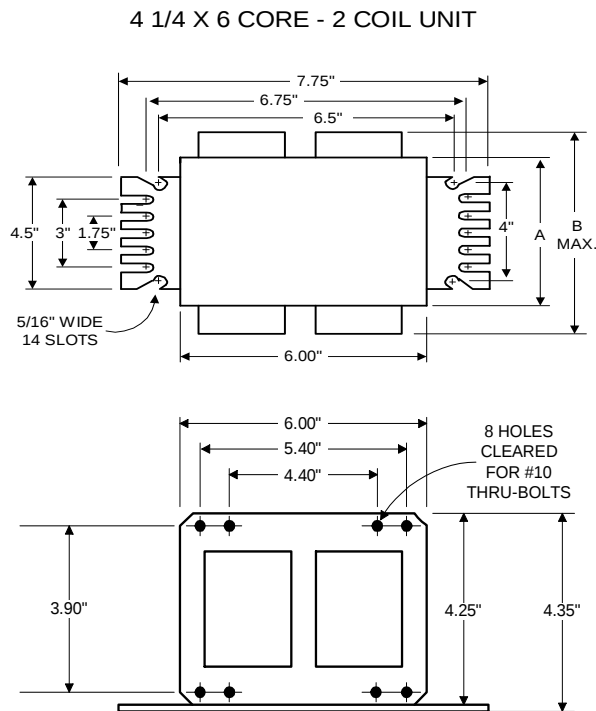


PHILIPS ADVANCE

High Pressure Sodium Lamp Ballast

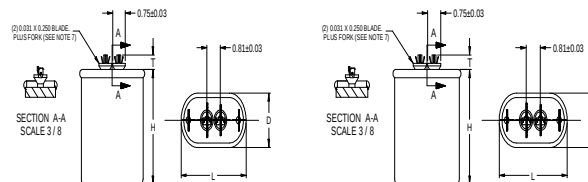
Catalog Number 71A87R3
For 1000W S52
50 Hz CWA
Status: Active

DIMENSIONS AND DATA



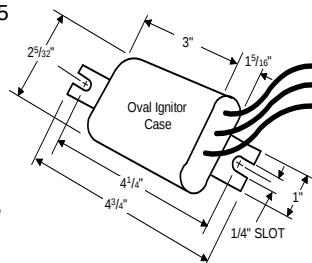
INPUT VOLTS	220	240			
CIRCUIT TYPE	CWA				
POWER FACTOR (min)	90%				
REGULATION					
Line Volts	±10%				
Lamp Watts	WITHIN TRAPEZOID				
LINE CURRENT (Amps)					
Operating.....	5.20	4.80			
Open Circuit.....	1.30	1.20			
Starting.....	6.00	5.60			
UL TEMPERATURE RATINGS					
Insulation Class	H(180°C)				
Coil Temperature Code	1029				
MIN. AMBIENT STARTING TEMP.	-40°F or -40°C				
NOM. OPEN CIRCUIT VOLTAGE	435				
INPUT VOLTAGE AT LAMP DROPOUT.....	165	180			
INPUT WATTS	1100				
RECOMMENDED FUSE (Amps).....	15	15			
CORE and COIL					
Dimension (A)	4.30				
Dimension (B)	6.30				
Weight (lbs.)	35.5				
Lead Lengths	12"				
CAPACITOR REQUIREMENT					
Microfarads	28.0				
Volts (min.)	580				
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)	455-555				
Short-Circuit Current Test (Amps)					
Secondary Current	10.35-12.65				
Input Current.....	8.50-12.8	7.80-11.8	-	-	-

Capacitor: MD1408-230 MD1408-230



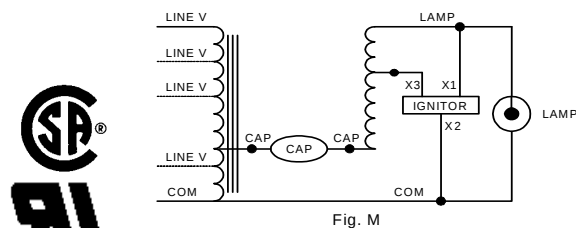
Capacitance: 14 Capacitance: 14
Dia/Oval Dim: 1.75 Dia/Oval Dim: 1.75
Height: 3.9 Height: 3.9
Temp Rating: 90°C Temp Rating: 90°C

Ignitor: LI571-H5



Ballast to Lamp Distance
(BTL) = 15 feet
Temp Rating: 105°C

Wiring Diagram:



Ordering Information

Order Suffix	Description
500.	Ballast with Ignitor and Oil Filled Capacitor
510.	Ballast w/Welded Bracket, Igniter & Oil-Filled Capacitor

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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08/14/13