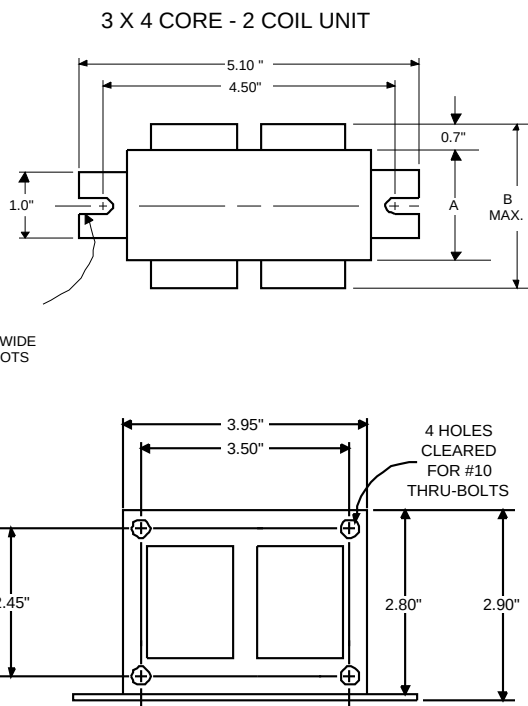


**PHILIPS
ADVANCE**

**High Pressure
Sodium
Lamp Ballast**

Catalog Number 71A8088
For 100W S54
60 Hz CWA
Status: Active

DIMENSIONS AND DATA



Capacitor: 7C340P24



Capacitance: 34
Dia/Oval Dim: 1.75
Height: 3.75
Temp Rating: 105°C

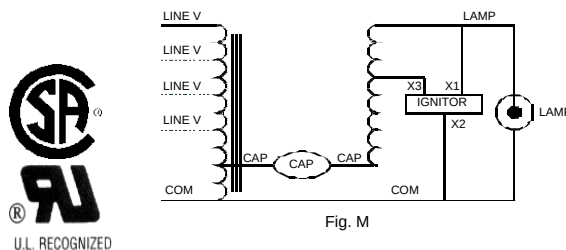
Ignitor: LI551-J4



Ballast to Lamp Distance
(BTL) = 5 feet
Temp Rating: 105°C

INPUT VOLTS		120	277			
CIRCUIT TYPE	CWA					
POWER FACTOR (min)	90%					
REGULATION						
Line Volts	±10%					
Lamp Watts	WITHIN TRAPEZOID					
LINE CURRENT (Amps)						
Operating.....		1.15	0.50			
Open Circuit.....		0.65	0.25			
Starting.....		0.80	0.35			
UL TEMPERATURE RATINGS						
Insulation Class	H(180°C)					
Coil Temperature Code	1029	F	F			
MIN. AMBIENT STARTING TEMP.	-40°F or -40°C					
NOM. OPEN CIRCUIT VOLTAGE	115					
INPUT VOLTAGE AT LAMP DROPOUT.....		90	208			
INPUT WATTS	138					
RECOMMENDED FUSE (Amps).....		3	2			
CORE and COIL						
Dimension (A)	2.00					
Dimension (B)	3.30					
Weight (lbs.)	7.5					
Lead Lengths	12"					
CAPACITOR REQUIREMENT						
Microfarads	34.0					
Volts (min.)	170					
Fault Current Withstand (amps)						
60 Hz TEST PROCEDURES (Refer to Philips Lighting Electronics N.A. TEST Procedure for HID Ballasts - Form High Potential Test (Volts)						
1 minute	2000					
2 seconds	2500					
Open Circuit Voltage Test (Volts)	105-125					
Short-Circuit Current Test (Amps)						
Secondary Current	2.85-3.10					
Input Current.....		0.50	0.20	-	-	-
		0.80	0.35			

Wiring Diagram:



Typical Ordering Information

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

Order Suffix	Description
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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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