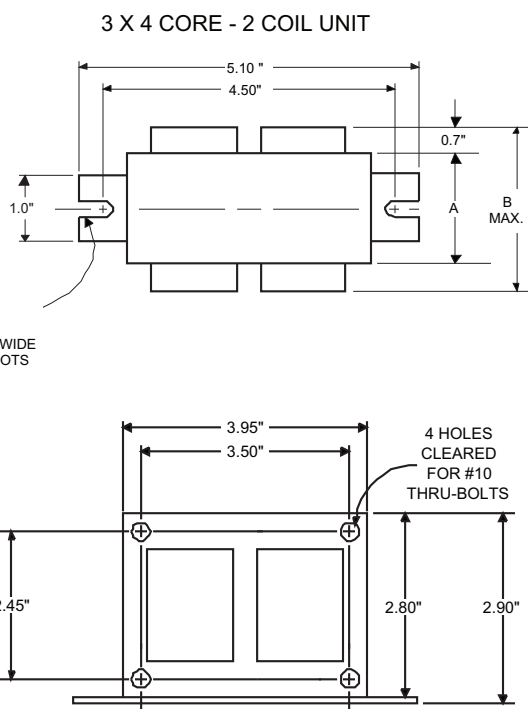


**PHILIPS
ADVANCE**

**High Pressure
Sodium
Lamp Ballast**

Catalog Number 71A80N1
For 100W S54
50 Hz HX-HPF
Status: Active

DIMENSIONS AND DATA



Capacitor: 7C120M33-R



Capacitance: 12
 Dia/Oval Dim: 1.5
 Height: 2.9

Temp Rating: 105°C
 Ignitor: LI551-H4



INPUT VOLTS		120	220	240		
CIRCUIT TYPE	HX-HPF					
POWER FACTOR (min)	90%					
REGULATION						
Line Volts	±5%					
Lamp Watts	WITHIN TRAPEZOID					
LINE CURRENT (Amps)						
Operating.....		1.20	0.65	0.60		
Open Circuit.....		2.40	1.30	1.20		
Starting.....		0.90	0.50	0.45		
UL TEMPERATURE RATINGS	H(180°C)					
Insulation Class	1029					
Coil Temperature Code	-40°F or -40°C	A	A	A		
MIN. AMBIENT STARTING TEMP.	120					
NOM. OPEN CIRCUIT VOLTAGE						
INPUT VOLTAGE AT LAMP DROPOUT.....	130	100	185	200		
INPUT WATTS						
RECOMMENDED FUSE (Amps).....		6	4	4		
CORE and COIL	2.40					
Dimension (A)	3.70					
Dimension (B)	4					
Weight (lbs.)	12"					
Lead Lengths						
CAPACITOR REQUIREMENT	12.0					
Microfarads	280					
Volts (min.)						
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)	2000					
1 minute	2500					
2 seconds	110-130					
Open Circuit Voltage Test (Volts)						
Short-Circuit Current Test (Amps)	2.10-2.60					
Secondary Current						
Input Current.....		0.40	0.25	0.20	-	-
		0.60	0.35	0.30		

Wiring Diagram:

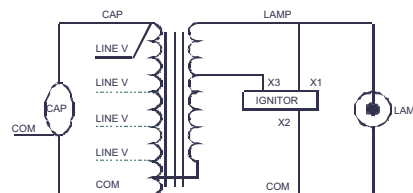


Fig. K3

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.