

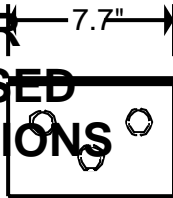
**PHILIPS
ADVANCE**

**High Pressure
Sodium
Lamp Ballast**

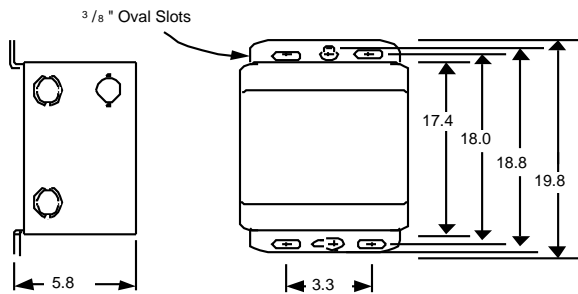
**Catalog Number 78E8793
For 1000W S52
60 Hz CWA
Status: Active**

DIMENSIONS AND DATA

**78E
INDOOR
ENCLOSED
DIMENSIONS**



Top view
3 double
7/8" and 1
knockouts



INPUT VOLTS	120	208	240	277
CIRCUIT TYPE	CWA			
POWER FACTOR (min)	90%			
REGULATION	±10%			
Line Volts	WITHIN TRAPEZOID			
Lamp Watts	±10%			
LINE CURRENT (Amps)				
Operating.....	9.50	5.50	4.75	4.15
Open Circuit.....	4.80	2.70	2.40	2.20
Starting.....	6.40	3.80	3.20	2.80
TEMPERATURE RATINGS	H(180°C)			
Insulation Class	1029			
Coil Temperature Code	-40°F or -40°C			
MIN. AMBIENT STARTING TEMP.	435			
NOM. OPEN CIRCUIT VOLTAGE				
INPUT VOLTAGE AT LAMP DROPOUT.....	90	156	180	208
INPUT WATTS	1100			
RECOMMENDED FUSE (Amps).....	25	15	10	10
CORE and COIL				
Dimension (A)	60			
Dimension (B)	12"			
Weight (lbs.)				
Lead Lengths				
CAPACITOR REQUIREMENT				
Microfarads				
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	395-485			
Open Circuit Voltage Test (Volts)	6.40-7.80			
Short-Circuit Current Test (Amps)				
Secondary Current				
Input Current.....	5.20	3.00	2.60	2.25
	7.80	4.50	3.80	3.40

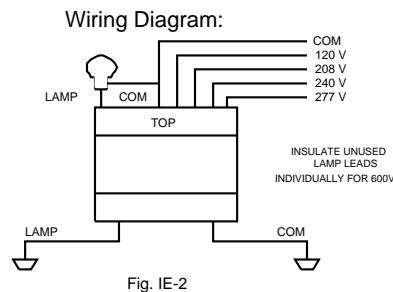
Capacitor:

The capacitor is included as part of the potted assembly.

Ignitor: IN CAN

The ignitor is included as part of the potted assembly.

Ballast to Lamp Distance (BTL) = 100 feet
Temp Rating: 90°C



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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