

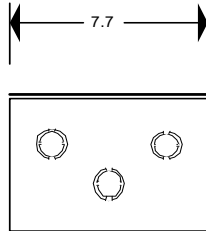


High Pressure Sodium Lamp Ballast

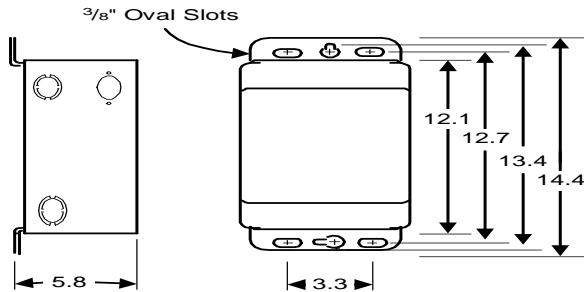
Catalog Number 78E8493
For 400W S51
60 Hz CWA
Status: Active

DIMENSIONS AND DATA

78E
INDOOR
ENCLOSED
DIMENSIONS



Top view
3 double
7/8" and 1 1/8"
knockouts



3/8" Oval Slots

INPUT VOLTS	120	208	240	277	
CIRCUIT TYPE	CWA				
POWER FACTOR (min)	90%				
REGULATION					
Line Volts	±10%				
Lamp Watts	WITHIN TRAPEZOID				
LINE CURRENT (Amps)					
Operating.....	3.80	2.20	1.90	1.70	
Open Circuit.....	2.00	1.20	0.95	0.85	
Starting.....	3.30	1.80	1.50	1.40	
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	190				
INPUT VOLTAGE AT LAMP DROPOUT.....	90	156	180	208	
INPUT WATTS	464				
RECOMMENDED FUSE (Amps).....	10	8	5	5	
CORE and COIL					
Dimension (A)					
Dimension (B)					
Weight (lbs.)	38				
Lead Lengths	12"				
CAPACITOR REQUIREMENT					
Microfarads					
Volts (min.)					
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)	170-210				
Short-Circuit Current Test (Amps)					
Secondary Current	6.00-7.40				
Input Current.....	2.40-3.60	1.40-2.10	1.20-1.80	1.00-1.55	-

Capacitor:

The capacitor is included as part of the potted assembly.



Wiring Diagram:

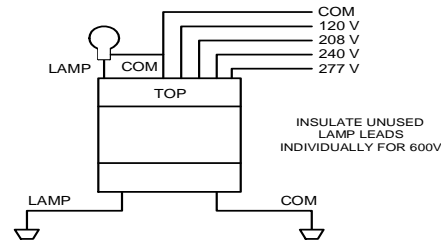


Fig. IE-2

Ordering Information

Order Suffix	Description
001	STANDARD IC PACK - OIL CAP - FLAG TERMINALS

Ignitor: IN CAN

The ignitor is included as part of the potted assembly.

Ballast to Lamp Distance
(BTL) = 50 feet
Temp Rating: 90°C

Data is based upon tests performed by Advance Transformer in a controlled environment and representative of relative performance. Actual performance can vary depending on operating conditions. Specifications are subject to change without notice.

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08/26/10