

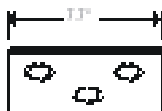
**PHILIPS
ADVANCE**

**Metal
Halide
Lamp Ballast**

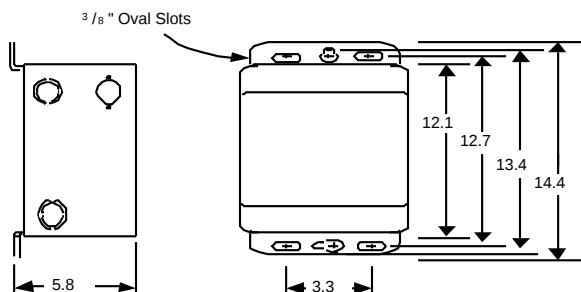
Catalog Number 78E6091
For 400W M59
60 Hz CWA
Status: Active

DIMENSIONS AND DATA

**78 E
INDOOR
ENCLOSED
DIMENSIONS**



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



Capacitor:

The capacitor is included as part of the potted assembly.

Ignitor: NA

This ballast does not require the use of an ignitor.

INPUT VOLTS		120	208	240	277
CIRCUIT TYPE	CWA				
POWER FACTOR (min)	90%				
REGULATION					
Line Volts	±10%				
Lamp Watts	±10%				
LINE CURRENT (Amps)					
Operating.....		4.00	2.30	2.00	1.75
Open Circuit.....		3.00	1.75	1.50	1.30
Starting.....		3.50	2.00	1.75	1.50
UL TEMPERATURE RATINGS	H(180°C)				
Insulation Class	1029				
Coil Temperature Code	-20°F or -30°C	D	E	D	E
MIN. AMBIENT STARTING TEMP.	300				
NOM. OPEN CIRCUIT VOLTAGE					
INPUT VOLTAGE AT LAMP DROPOUT.....	458	60	104	120	138
INPUT WATTS					
RECOMMENDED FUSE (Amps).....		10	7	5	5
CORE and COIL					
Dimension (A)	26				
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	270-330				
Open Circuit Voltage Test (Volts)	3.50-4.30				
Short-Circuit Current Test (Amps)					
Secondary Current					
Input Current.....		2.70	1.55	1.35	1.10
		4.20	2.40	2.10	1.80



Wiring Diagram:

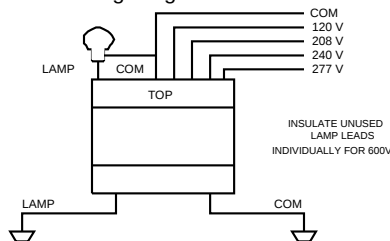


Fig. 1E-2

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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