

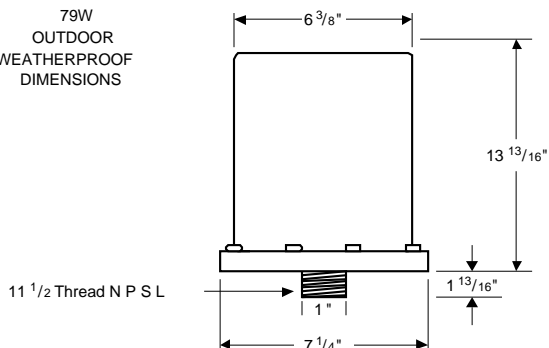
**PHILIPS  
ADVANCE**

**High Pressure  
Sodium  
Lamp Ballast**

**Catalog Number 79W8443  
For 400W S51  
60 Hz CWA  
Status: Active**

**DIMENSIONS AND DATA**

79W  
OUTDOOR  
WEATHERPROOF  
DIMENSIONS



INPUT VOLTS	480				
CIRCUIT TYPE	CWA				
POWER FACTOR (min)	90%				
REGULATION					
Line Volts	±10%				
Lamp Watts	WITHIN TRAPEZOID				
LINE CURRENT (Amps)					
Operating.....	0.97				
Open Circuit.....	0.55				
Starting.....	0.75				
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.....	360				
INPUT WATTS	464				
RECOMMENDED FUSE (Amps).....	3				
CORE and COIL					
Dimension (A)					
Dimension (B)	30				
Weight (lbs.)	10"				
Lead Lengths					
CAPACITOR REQUIREMENT					
Microfarads	240				
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)					
1 minute	2000				
2 seconds	2500				
Open Circuit Voltage Test (Volts)	170-210				
Short-Circuit Current Test (Amps)	6.00-7.40				
Secondary Current					
Input Current.....	0.50	-	-	-	-
	0.80				

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) = 50 feet  
Temp Rating: 90°C

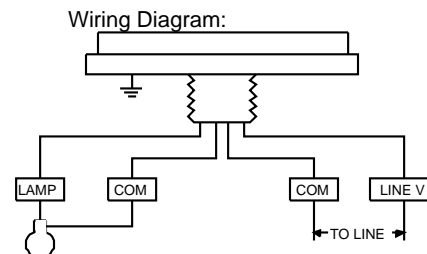


Fig. OW-1

**Typical Ordering Information**

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

Order Suffix	Description
--------------	-------------

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.**

10275 WEST HIGGINS ROAD · ROSEMONT, IL 60018

Tel: 800-322-2086 · Fax: 888-423-1882 · [www.philips.com/advance](http://www.philips.com/advance)

Customer Support/Technical Service: 800-372-3331 · OEM Support: 866-915-5886

Revised: 04/14/00