

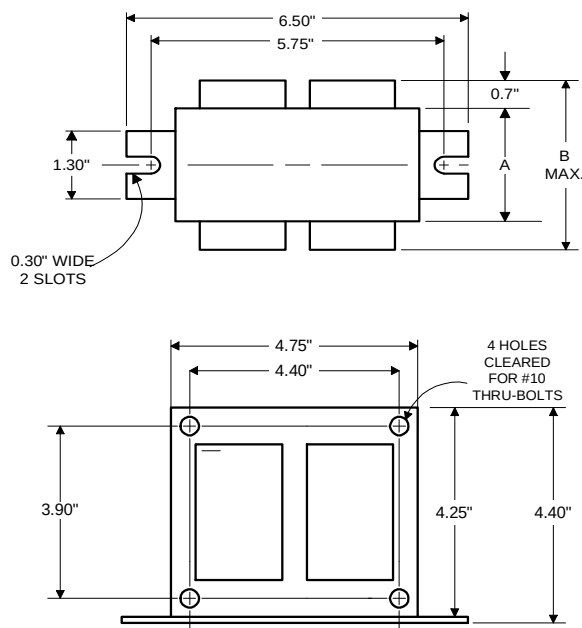
PHILIPS ADVANCE

High Pressure Sodium Lamp Ballast

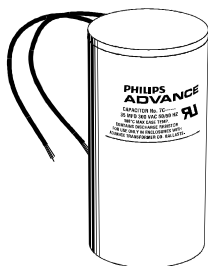
Catalog Number 71A8970
For 200W S66
60 Hz CWA
Status: Active

DIMENSIONS AND DATA

4 1/4 X 4 3/4 CORE - 2 COIL UNIT



Capacitor: 7C280P30RA



Capacitance: 28
Dia/Oval Dim: 1.85
Height: 3.7
Temp Rating: 105°C

Ignitor: LI501-H4



Ballast to Lamp Distance
(BTL) = 2 feet
Temp Rating: 105°C

INPUT VOLTS	120	208	240	277
CIRCUIT TYPE	CWA			
POWER FACTOR (min)	90%			
REGULATION	±10%			
Line Volts	WITHIN TRAPEZOID			
Lamp Watts				
LINE CURRENT (Amps)				
Operating.....	2.22	1.28	1.11	0.96
Open Circuit.....	1.30	0.75	0.65	0.60
Starting.....	1.50	0.90	0.75	0.65
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	185			
INPUT VOLTAGE AT LAMP DROPOUT.....	75	130	150	175
INPUT WATTS	240			
RECOMMENDED FUSE (Amps).....	6	4	3	3
CORE and COIL				
Dimension (A)	1.20			
Dimension (B)	3.00			
Weight (lbs.)	8.5			
Lead Lengths	12"			
CAPACITOR REQUIREMENT				
Microfarads	28.0			
Volts (min.)	280			
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)	165-205			
Short-Circuit Current Test (Amps)				
Secondary Current	2.80-3.40			
Input Current.....	1.00-1.60	0.60-0.95	0.50-0.80	0.45-0.70

Wiring Diagram:

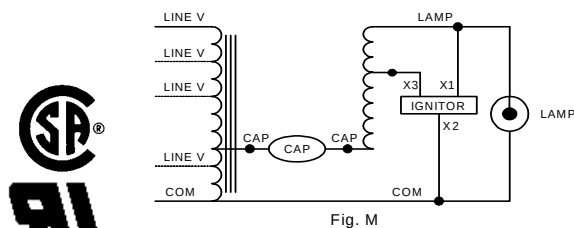


Fig. M

Ordering Information

Order Suffix

Description

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

Philips Lighting Electronic N.A.

10275 West Higgins Road · Rosemont, IL 60018 · Tel:800-322-2086 Fax:888-432-1882
Customer Support/ Technical Service:800-372-3331 · OEM Support: 866-915-5886

06/24/13