

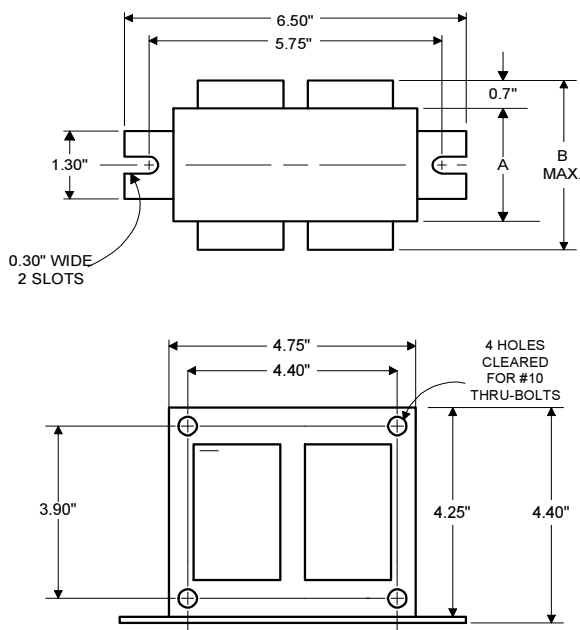
**PHILIPS
ADVANCE**

High Pressure
Sodium
Lamp Ballast

Catalog Number 71A8271
For 250W S50
60 Hz CWA
Status: Active

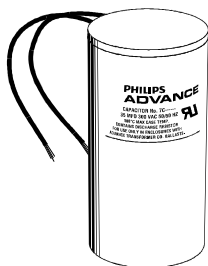
DIMENSIONS AND DATA

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



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.....	2.50	1.47	1.25	1.09
Open Circuit.....	1.00	0.60	0.50	0.44
Starting.....	2.27	1.33	1.14	1.00
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	187			
INPUT VOLTAGE AT LAMP DROPOUT.....	82	139	158	184
INPUT WATTS	295			
RECOMMENDED FUSE (Amps).....	7	4	4	3
CORE and COIL				
Dimension (A)	1.82			
Dimension (B)	3.82			
Weight (lbs.)	9.8			
Lead Lengths	12"			
CAPACITOR REQUIREMENT				
Microfarads	35.0			
Volts (min.)	240			
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)	170-205			
Short-Circuit Current Test (Amps)				
Secondary Current	3.65-4.45			
Input	1.77-2.66	1.04-1.56	0.88-1.33	0.77-1.16

Capacitor: 7C350P24RA



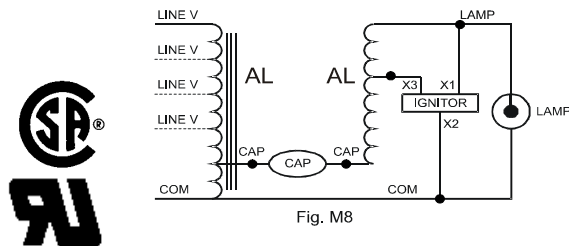
Capacitance: 35
Dia/Oval Dim: 1.65
Height: 3.7
Temp Rating: 105°C

Ignitor: LI501-H4



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

Wiring Diagram:



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.

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07/11/14