

PHILIPS ADVANCE

High Pressure Sodium Lamp Ballast

Catalog Number 71A84Y3
For 400W S51
60 Hz CWA
Status: Active

DIMENSIONS AND DATA

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



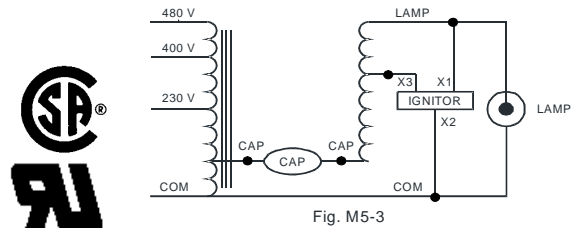
	230	400	480		
INPUT VOLTS					
CIRCUIT TYPE	CWA				
POWER FACTOR (min)	90%				
REGULATION	±10%				
Line Volts	WITHIN TRAPEZOID				
Lamp Watts					
LINE CURRENT (Amps)					
Operating.....	2.00	1.20	1.00		
Open Circuit.....	0.95	0.55	0.46		
Starting.....	1.80	1.00	0.85		
UL TEMPERATURE RATINGS					
Insulation 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.....	166	288	341		
INPUT WATTS	465				
RECOMMENDED FUSE (Amps).....	5	3	3		
CORE and COIL					
Dimension (A)	2.30				
Dimension (B)	4.20				
Weight (lbs.)	14.3				
Lead Lengths	12"				
CAPACITOR REQUIREMENT					
Microfarads	55.0				
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)	170-210				
Short-Circuit Current Test (Amps)					
Secondary Current	6.10-7.40				
Input Current.....	1.44-2.16	0.81-1.21	0.68-1.02	-	-

Capacitor: 7C550P24RA



Capacitance: 55
Dia/Oval Dim: 1.85
Height: 3.7
Temp Rating: 105°C

Wiring Diagram:



Ignitor: LI501-H4



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

Ordering Information

Order Suffix	Description
500D	Ballast w / Dry Cap. & Ignitor (when required)

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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