

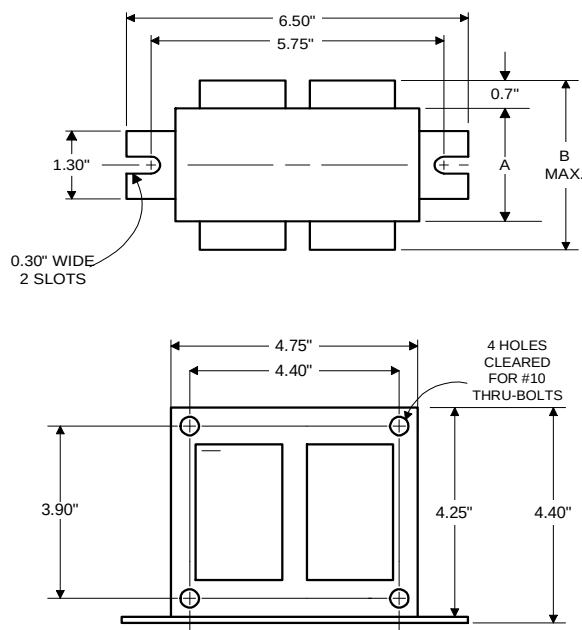
# PHILIPS ADVANCE

## High Pressure Sodium Lamp Ballast

Catalog Number 71A8241TA  
For 250W S50  
60 Hz CWA  
Status: Active

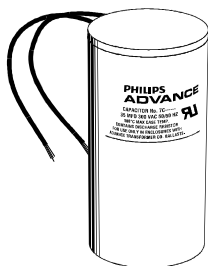
### DIMENSIONS AND DATA

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



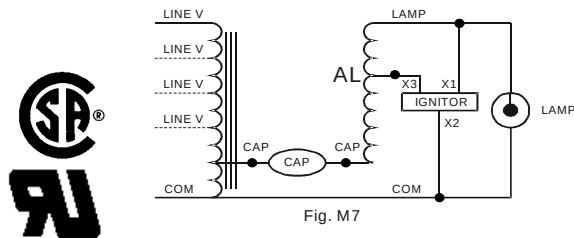
|                                                                                      |                  |   |   |   |   |
|--------------------------------------------------------------------------------------|------------------|---|---|---|---|
| INPUT VOLTS                                                                          | 480              |   |   |   |   |
| CIRCUIT TYPE                                                                         | CWA              |   |   |   |   |
| POWER FACTOR (min)                                                                   | 90%              |   |   |   |   |
| REGULATION                                                                           |                  |   |   |   |   |
| Line Volts                                                                           | ±10%             |   |   |   |   |
| Lamp Watts                                                                           | WITHIN TRAPEZOID |   |   |   |   |
| LINE CURRENT (Amps)                                                                  |                  |   |   |   |   |
| Operating.....                                                                       | 0.63             |   |   |   |   |
| Open Circuit.....                                                                    | 0.42             |   |   |   |   |
| Starting.....                                                                        | 0.38             |   |   |   |   |
| 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                                                            | 189              |   |   |   |   |
| INPUT VOLTAGE AT LAMP DROPOUT.....                                                   | 325              |   |   |   |   |
| INPUT WATTS                                                                          | 299              |   |   |   |   |
| RECOMMENDED FUSE (Amps).....                                                         | 2                |   |   |   |   |
| CORE and COIL                                                                        |                  |   |   |   |   |
| Dimension (A)                                                                        | 1.82             |   |   |   |   |
| Dimension (B)                                                                        | 3.72             |   |   |   |   |
| Weight (lbs.)                                                                        | 11               |   |   |   |   |
| 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 Current.....                                                                   | 0.26-0.39        | - | - | - | - |

Capacitor: 7C350P24RA



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

Wiring Diagram:



Ordering Information

Order Suffix

Description

Ignitor:

LI501-H4



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

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

08/13/13