

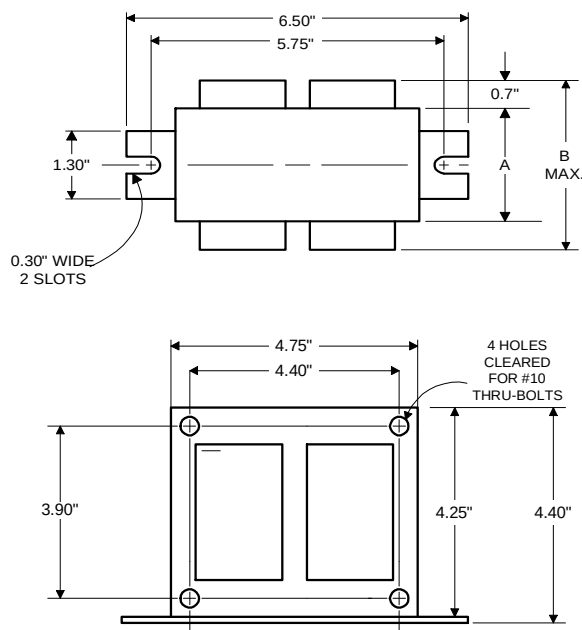
# PHILIPS ADVANCE

Metal  
Halide  
Lamp Ballast

Catalog Number 71A58A2A  
For 320W M132/M154 (P.S.)  
60 Hz SUPER-CWA  
Status: Active

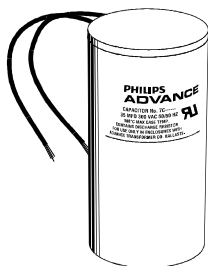
## DIMENSIONS AND DATA

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



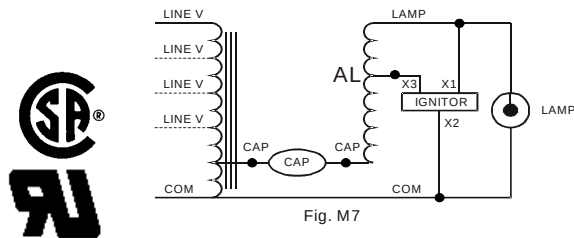
| INPUT VOLTS                                                                          |                | 120       | 277       | 347       |   |   |
|--------------------------------------------------------------------------------------|----------------|-----------|-----------|-----------|---|---|
| CIRCUIT TYPE                                                                         | SUPER-CWA      |           |           |           |   |   |
| POWER FACTOR (min)                                                                   | 90%            |           |           |           |   |   |
| REGULATION                                                                           |                |           |           |           |   |   |
| Line Volts                                                                           | ±10%           |           |           |           |   |   |
| Lamp Watts                                                                           | ±10%           |           |           |           |   |   |
| LINE CURRENT (Amps)                                                                  |                |           |           |           |   |   |
| Operating.....                                                                       |                | 3.25      | 1.40      | 1.10      |   |   |
| Open Circuit.....                                                                    |                | 2.60      | 1.10      | 0.90      |   |   |
| Starting.....                                                                        |                | 2.20      | 0.95      | 0.70      |   |   |
| UL TEMPERATURE RATINGS                                                               |                |           |           |           |   |   |
| Insulation Class                                                                     | H(180°C)       |           |           |           |   |   |
| Coil Temperature Code                                                                | 1029           | C         | C         | C         |   |   |
| MIN. AMBIENT STARTING TEMP.                                                          | -20°F or -30°C |           |           |           |   |   |
| NOM. OPEN CIRCUIT VOLTAGE                                                            | 280            |           |           |           |   |   |
| INPUT VOLTAGE AT LAMP DROPOUT.....                                                   |                | 60        | 138       | 173       |   |   |
| INPUT WATTS                                                                          | 368            |           |           |           |   |   |
| RECOMMENDED FUSE (Amps).....                                                         |                | 8         | 4         | 3         |   |   |
| CORE and COIL                                                                        |                |           |           |           |   |   |
| Dimension (A)                                                                        | 1.80           |           |           |           |   |   |
| Dimension (B)                                                                        | 3.65           |           |           |           |   |   |
| Weight (lbs.)                                                                        | 10             |           |           |           |   |   |
| Lead Lengths                                                                         | 12"            |           |           |           |   |   |
| CAPACITOR REQUIREMENT                                                                |                |           |           |           |   |   |
| Microfarads                                                                          | 21.0           |           |           |           |   |   |
| Volts (min.)                                                                         | 345            |           |           |           |   |   |
| 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)                                                    | 260-310        |           |           |           |   |   |
| Short-Circuit Current Test (Amps)                                                    |                |           |           |           |   |   |
| Secondary Current                                                                    | 2.90-3.60      |           |           |           |   |   |
| Input Current.....                                                                   |                | 1.60-2.55 | 0.70-1.10 | 0.55-0.85 | - | - |

Capacitor: 7C210P40R



Capacitance: 21  
Dia/Oval Dim: 1.75  
Height: 4.8  
Temp Rating: 105°C

Wiring Diagram:



Ordering Information

Order Suffix

Description

Ignitor:

LI533-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

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