

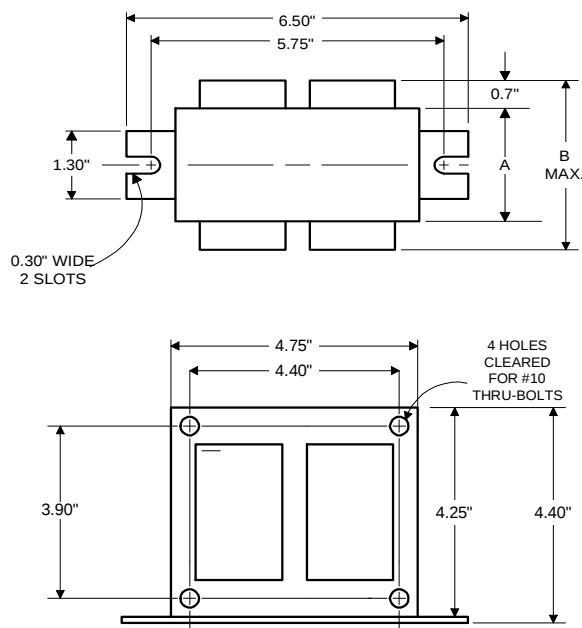
# PHILIPS ADVANCE

Metal  
Halide  
Lamp Ballast

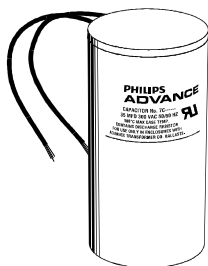
Catalog Number 71A5792XEE  
For 250W M138/M153 (P.S.)  
60 Hz SUPER-CWA  
Status: Active

## DIMENSIONS AND DATA

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



Capacitor: 7C170P40



Capacitance: 17  
Dia/Oval Dim: 1.75  
Height: 3.75  
Temp Rating: 105°C

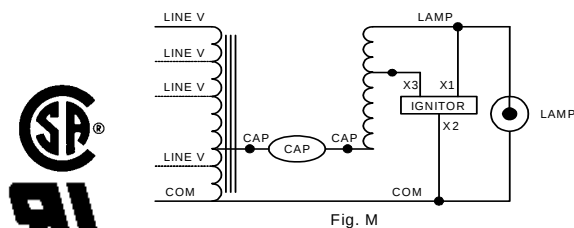
Ignitor: LI533-H4



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

|                                                                                      |                | 120       | 208       | 240       | 277       |
|--------------------------------------------------------------------------------------|----------------|-----------|-----------|-----------|-----------|
| INPUT VOLTS                                                                          |                |           |           |           |           |
| CIRCUIT TYPE                                                                         | SUPER-CWA      |           |           |           |           |
| POWER FACTOR (min)                                                                   | 90%            |           |           |           |           |
| REGULATION                                                                           |                |           |           |           |           |
| Line Volts                                                                           | ±10%           |           |           |           |           |
| Lamp Watts                                                                           | ±10%           |           |           |           |           |
| LINE CURRENT (Amps)                                                                  |                |           |           |           |           |
| Operating.....                                                                       |                | 2.52      | 1.44      | 1.26      | 1.10      |
| Open Circuit.....                                                                    |                | 1.45      | 0.81      | 0.74      | 0.63      |
| Starting.....                                                                        |                | 1.74      | 1.00      | 0.88      | 0.77      |
| UL TEMPERATURE RATINGS                                                               |                |           |           |           |           |
| Insulation Class                                                                     | H(180°C)       |           |           |           |           |
| Coil Temperature Code                                                                | 1029           |           |           |           |           |
| MIN. AMBIENT STARTING TEMP.                                                          | -20°F or -30°C |           |           |           |           |
| NOM. OPEN CIRCUIT VOLTAGE                                                            | 275            |           |           |           |           |
| INPUT VOLTAGE AT LAMP DROPOUT.....                                                   |                | 60        | 104       | 120       | 138       |
| INPUT WATTS                                                                          | 277            |           |           |           |           |
| RECOMMENDED FUSE (Amps).....                                                         |                | 8         | 5         | 5         | 3         |
| CORE and COIL                                                                        |                |           |           |           |           |
| Dimension (A)                                                                        | 2.15           |           |           |           |           |
| Dimension (B)                                                                        | 4.05           |           |           |           |           |
| Weight (lbs.)                                                                        | 14             |           |           |           |           |
| Lead Lengths                                                                         | 12"            |           |           |           |           |
| CAPACITOR REQUIREMENT                                                                |                |           |           |           |           |
| Microfarads                                                                          | 17.0           |           |           |           |           |
| Volts (min.)                                                                         | 350            |           |           |           |           |
| 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)                                                    | 254-308        |           |           |           |           |
| Short-Circuit Current Test (Amps)                                                    |                |           |           |           |           |
| Secondary Current                                                                    | 2.42-2.96      |           |           |           |           |
| Input Current.....                                                                   |                | 1.55-2.32 | 0.88-1.33 | 0.76-1.15 | 0.67-1.00 |

### Wiring Diagram:



### Ordering Information

| Order Suffix | Description              |
|--------------|--------------------------|
| XEE          | 90% EFFICIENCY COMPLIANT |

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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