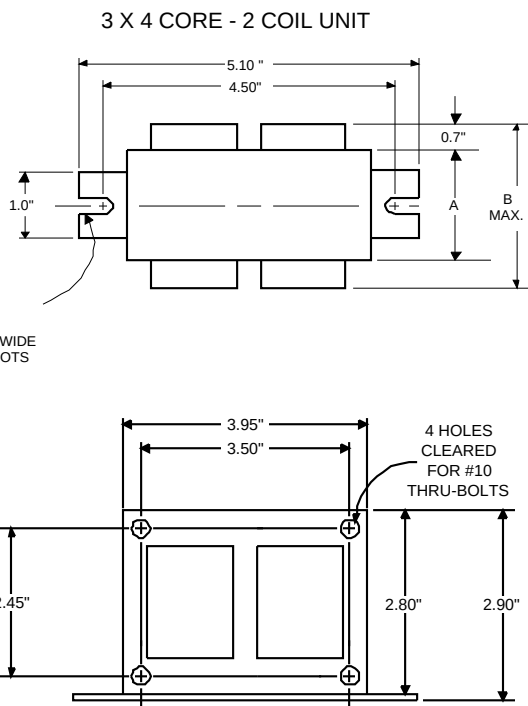


**PHILIPS  
ADVANCE**

**Metal  
Halide  
Lamp Ballast**

**Catalog Number 71A5492**  
**For 150W M102/M142**  
**60 Hz HX-HPF**  
**Status: Active**

**DIMENSIONS AND DATA**



Capacitor: 7C160M30



Capacitance: 16  
Dia/Oval Dim: 1.5  
Height: 3.75  
Temp Rating: 105°C

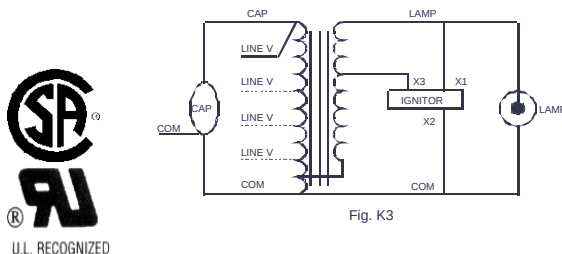
Ignitor: LI533-H4



Ballast to Lamp Distance  
(BTL) = 10 feet  
Temp Rating: 105°C

| INPUT VOLTS                                                                                                                          |                | 120  | 208  | 240  | 277  |
|--------------------------------------------------------------------------------------------------------------------------------------|----------------|------|------|------|------|
| CIRCUIT TYPE                                                                                                                         | HX-HPF         |      |      |      |      |
| POWER FACTOR (min)                                                                                                                   | 90%            |      |      |      |      |
| REGULATION                                                                                                                           |                |      |      |      |      |
| Line Volts                                                                                                                           | ±5%            |      |      |      |      |
| Lamp Watts                                                                                                                           | ±12%           |      |      |      |      |
| LINE CURRENT (Amps)                                                                                                                  |                |      |      |      |      |
| Operating.....                                                                                                                       |                | 1.60 | 1.00 | 0.80 | 0.70 |
| Open Circuit.....                                                                                                                    |                | 3.65 | 2.10 | 1.80 | 1.58 |
| Starting.....                                                                                                                        |                | 1.75 | 1.30 | 0.85 | 0.77 |
| UL TEMPERATURE RATINGS                                                                                                               | H(180°C)       |      |      |      |      |
| Insulation Class                                                                                                                     | 1029           |      |      |      |      |
| Coil Temperature Code                                                                                                                | -20°F or -30°C | C    | C    | C    | C    |
| MIN. AMBIENT STARTING TEMP.                                                                                                          | 265            |      |      |      |      |
| NOM. OPEN CIRCUIT VOLTAGE                                                                                                            |                |      |      |      |      |
| INPUT VOLTAGE AT LAMP DROPOUT.....                                                                                                   | 185            | 90   | 156  | 180  | 208  |
| INPUT WATTS                                                                                                                          |                |      |      |      |      |
| RECOMMENDED FUSE (Amps).....                                                                                                         |                | 10   | 5    | 5    | 4    |
| CORE and COIL                                                                                                                        | 2.25           |      |      |      |      |
| Dimension (A)                                                                                                                        | 3.87           |      |      |      |      |
| Dimension (B)                                                                                                                        | 7              |      |      |      |      |
| Weight (lbs.)                                                                                                                        | 12"            |      |      |      |      |
| Lead Lengths                                                                                                                         |                |      |      |      |      |
| CAPACITOR REQUIREMENT                                                                                                                | 16.0           |      |      |      |      |
| Microfarads                                                                                                                          | 280            |      |      |      |      |
| Volts (min.)                                                                                                                         |                |      |      |      |      |
| Fault Current Withstand (amps)                                                                                                       |                |      |      |      |      |
| 60 Hz TEST PROCEDURES (Refer to Philips Lighting Electronics N.A. TEST Procedure for HID Ballasts - Form High Potential Test (Volts) | 2000           |      |      |      |      |
| 1 minute                                                                                                                             | 2500           |      |      |      |      |
| 2 seconds                                                                                                                            | 235-290        |      |      |      |      |
| Open Circuit Voltage Test (Volts)                                                                                                    |                |      |      |      |      |
| Short-Circuit Current Test (Amps)                                                                                                    | 2.05-2.55      |      |      |      |      |
| Secondary Current                                                                                                                    |                |      |      |      |      |
| Input Current.....                                                                                                                   |                | 1.45 | 1.10 | 0.75 | 0.63 |
|                                                                                                                                      |                | 2.20 | 1.65 | 1.10 | 0.95 |

**Wiring Diagram:**



**Typical Ordering Information**

(please call Philips Lighting Electronics N.A. for suffix availability)

| Order Suffix | Description |
|--------------|-------------|
|--------------|-------------|

Data is based upon tests performed by Philips Lighting Electronics N.A. in a controlled environment and is representative of relative performance. Actual performance can vary depending on operating conditions. Specifications are subject to change without notice.

**PHILIPS LIGHTING ELECTRONICS N.A.**

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