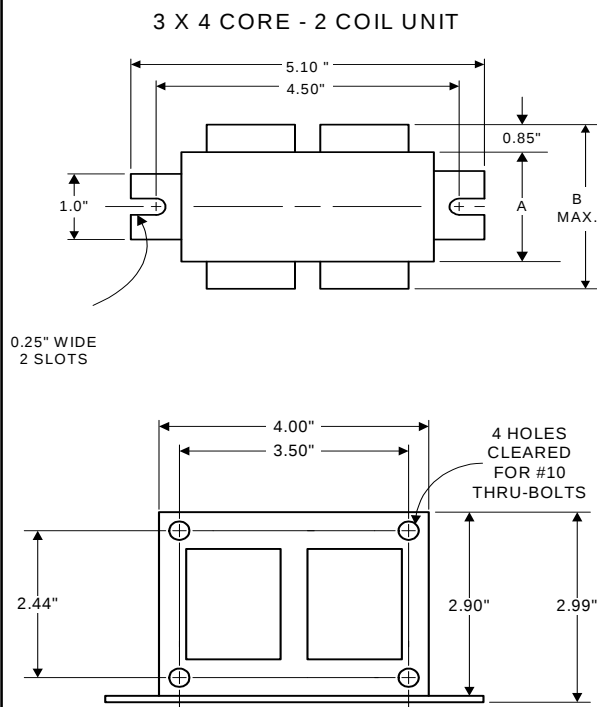


# PHILIPS ADVANCE

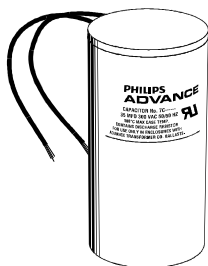
Metal  
Halide  
Lamp Ballast

Catalog Number 71A5390  
For 100W M90/M140  
60 Hz HX-HPF  
Status: Active

## DIMENSIONS AND DATA



Capacitor: 7C120M30RA



Capacitance: 12  
Dia/Oval Dim: 1.65  
Height: 2.75  
Temp Rating: 105°C

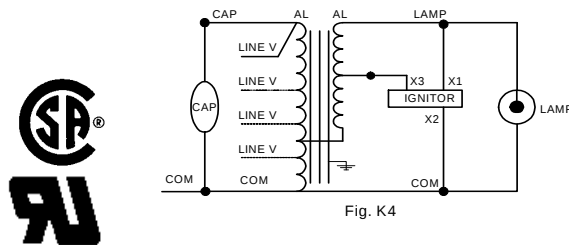
Ignitor: LI533-H4



Ballast to Lamp Distance  
(BTL) = 20 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.....                                                                       | 1.15           | 0.66      | 0.58      | 0.50      |
| Open Circuit.....                                                                    | 2.50           | 1.50      | 1.30      | 1.12      |
| Starting.....                                                                        | 1.24           | 0.54      | 0.45      | 0.40      |
| 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                                                            | 260            |           |           |           |
| INPUT VOLTAGE AT LAMP DROPOUT.....                                                   | 90             | 156       | 180       | 208       |
| INPUT WATTS                                                                          | 129            |           |           |           |
| RECOMMENDED FUSE (Amps).....                                                         | 10             | 5         | 5         | 4         |
| CORE and COIL                                                                        |                |           |           |           |
| Dimension (A)                                                                        | 1.50           |           |           |           |
| Dimension (B)                                                                        | 3.07           |           |           |           |
| Weight (lbs.)                                                                        | 5.2            |           |           |           |
| Lead Lengths                                                                         | 12"            |           |           |           |
| CAPACITOR REQUIREMENT                                                                |                |           |           |           |
| Microfarads                                                                          | 12.0           |           |           |           |
| Volts (min.)                                                                         | 280            |           |           |           |
| 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)                                                    | 240-300        |           |           |           |
| Short-Circuit Current Test (Amps)                                                    |                |           |           |           |
| Secondary Current                                                                    | 1.35-1.70      |           |           |           |
| Input Current.....                                                                   | 0.63-0.95      | 0.43-0.65 | 0.37-0.55 | 0.29-0.44 |

### Wiring Diagram:



### Ordering Information

Order Suffix

Description

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

02/21/13