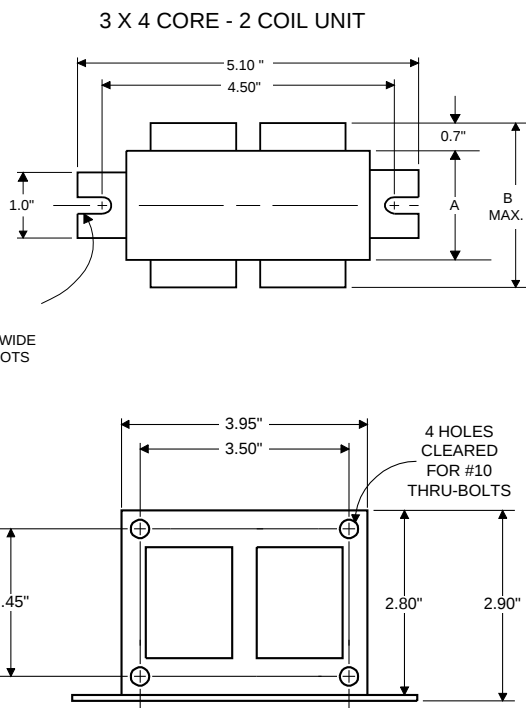


**PHILIPS  
ADVANCE**

**Metal  
Halide  
Lamp Ballast**

**Catalog Number 71A5181**  
**For 50W M110**  
**60 Hz HX-HPF**  
**Status: Active**

**DIMENSIONS AND DATA**

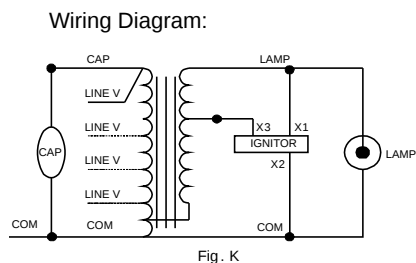


|                                                                                                              |                |           |   |   |   |
|--------------------------------------------------------------------------------------------------------------|----------------|-----------|---|---|---|
| INPUT VOLTS                                                                                                  | 120            | 277       |   |   |   |
| CIRCUIT TYPE                                                                                                 | HX-HPF         |           |   |   |   |
| POWER FACTOR (min)                                                                                           | 90%            |           |   |   |   |
| REGULATION                                                                                                   |                |           |   |   |   |
| Line Volts                                                                                                   | ±5%            |           |   |   |   |
| Lamp Watts                                                                                                   | ±10%           |           |   |   |   |
| LINE CURRENT (Amps)                                                                                          |                |           |   |   |   |
| Operating.....                                                                                               | 0.58           | 0.25      |   |   |   |
| Open Circuit.....                                                                                            | 1.20           | 0.51      |   |   |   |
| Starting.....                                                                                                | 0.46           | 0.20      |   |   |   |
| 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                                                                                    | 254            |           |   |   |   |
| INPUT VOLTAGE AT LAMP DROPOUT.....                                                                           | 90             | 208       |   |   |   |
| INPUT WATTS                                                                                                  | 67             |           |   |   |   |
| RECOMMENDED FUSE (Amps).....                                                                                 | 3              | 2         |   |   |   |
| CORE and COIL                                                                                                |                |           |   |   |   |
| Dimension (A)                                                                                                | 1.18           |           |   |   |   |
| Dimension (B)                                                                                                | 2.23           |           |   |   |   |
| Weight (lbs.)                                                                                                | 4              |           |   |   |   |
| Lead Lengths                                                                                                 | 12"            |           |   |   |   |
| CAPACITOR REQUIREMENT                                                                                        |                |           |   |   |   |
| Microfarads                                                                                                  | 6.0            |           |   |   |   |
| Volts (min.)                                                                                                 | 280            |           |   |   |   |
| Fault Current Withstand (amps)                                                                               |                |           |   |   |   |
| 60 Hz TEST PROCEDURES (Refer to Philips Lighting Electronics N.A. TEST Procedure for HID Ballasts - Form 127 |                |           |   |   |   |
| High Potential Test (Volts)                                                                                  |                |           |   |   |   |
| 1 minute                                                                                                     | 2000           |           |   |   |   |
| 2 seconds                                                                                                    | 2500           |           |   |   |   |
| Open Circuit Voltage Test (Volts)                                                                            | 228-280        |           |   |   |   |
| Short-Circuit Current Test (Amps)                                                                            |                |           |   |   |   |
| Secondary Current                                                                                            | 0.70-0.88      |           |   |   |   |
| Input Current.....                                                                                           | 0.42-0.65      | 0.16-0.27 | - | - | - |

Capacitor: 7C060L30RA



Capacitance: 6  
Dia/Oval Dim: 1.18  
Height: 2.68  
Temp Rating: 105°C



**Typical Ordering Information**

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

**Order Suffix**

**Description**

Ignitor: LI533-H4



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

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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