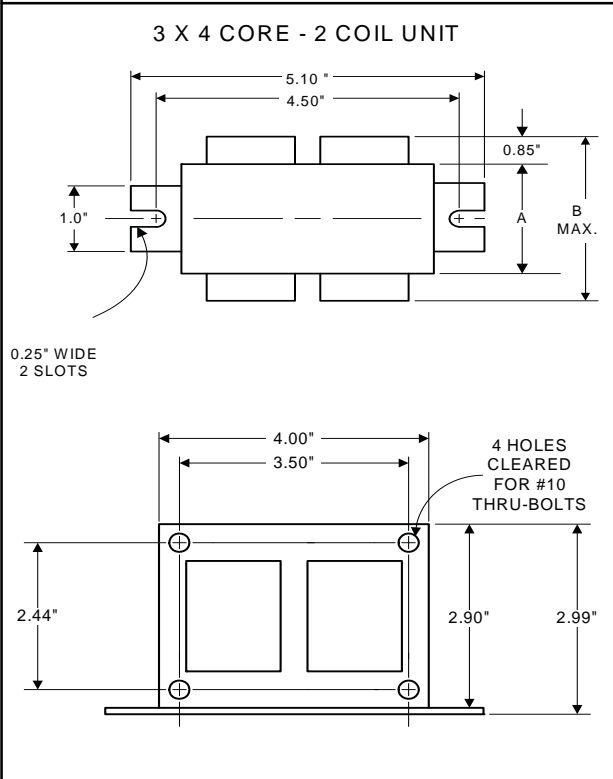


PHILIPS ADVANCE

High Pressure Sodium Lamp Ballast

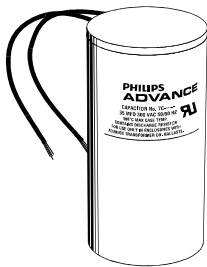
Catalog Number 71A7971
For 70W S62
60 Hz HX-HPF
Status: Active

DIMENSIONS AND DATA

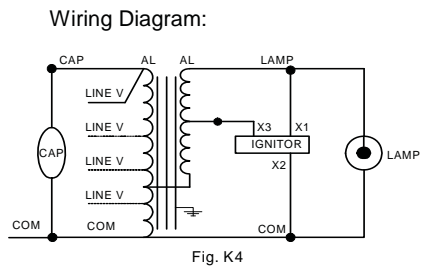


| | 120 | 208 | 240 | 277 |
|--|------------------|-----------|-----------|-----------|
| INPUT VOLTS | | | | |
| CIRCUIT TYPE | HX-HPF | | | |
| POWER FACTOR (min) | 90% | | | |
| REGULATION | | | | |
| Line Volts | ±5% | | | |
| Lamp Watts | WITHIN TRAPEZOID | | | |
| LINE CURRENT (Amps) | | | | |
| Operating..... | 0.81 | 0.47 | 0.40 | 0.35 |
| Open Circuit..... | 1.46 | 0.86 | 0.73 | 0.64 |
| Starting..... | 0.85 | 0.51 | 0.43 | 0.39 |
| UL TEMPERATURE RATINGS | | | | |
| Insulation Class | H(180°C) | | | |
| Coil Temperature Code | 1029 | | | |
| MIN. AMBIENT STARTING TEMP. | -40°F or -40°C | | | |
| NOM. OPEN CIRCUIT VOLTAGE | 120 | | | |
| INPUT VOLTAGE AT LAMP DROPOUT..... | 96 | 166 | 192 | 222 |
| INPUT WATTS | 96 | | | |
| RECOMMENDED FUSE (Amps)..... | 5 | 3 | 2 | 2 |
| CORE and COIL | | | | |
| Dimension (A) | 1.52 | | | |
| Dimension (B) | 2.90 | | | |
| Weight (lbs.) | 5.6 | | | |
| Lead Lengths | 12" | | | |
| CAPACITOR REQUIREMENT | | | | |
| Microfarads | 7.0 | | | |
| 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) | 110-130 | | | |
| Short-Circuit Current Test (Amps) | | | | |
| Secondary Current | 2.10-2.45 | | | |
| Input Current..... | 0.60-0.95 | 0.35-0.60 | 0.30-0.50 | 0.25-0.40 |

Capacitor: 7C070L30RA



Capacitance: 7
Dia/Oval Dim: 1.25
Height: 2.75
Temp Rating: 105°C



Ordering Information

Ignitor: LI551-H4

Red (X1)
White (X2)
Blue (X3)

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

| 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.