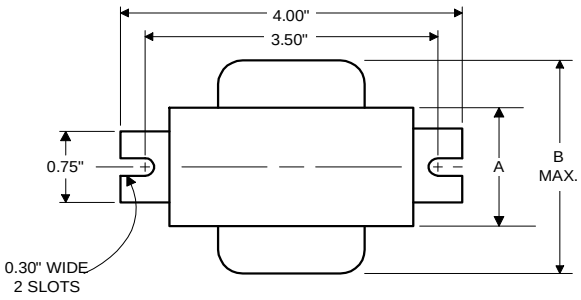
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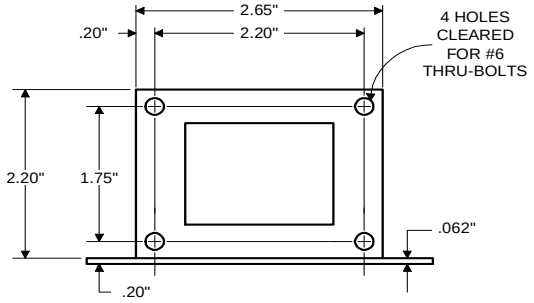
# High Pressure Sodium Lamp Ballast

Catalog Number 71A8007B
For 100W S54
60 Hz R-HPF
Status: Active

## DIMENSIONS AND DATA

2 5/8 X 2 3/16 CORE




| | | | | | | |
|---|---|---|---|---|---|---|
| INPUT VOLTS | | 120 | | | | |
| CIRCUIT TYPE | R-HPF | | | | | |
| POWER FACTOR (min) | 90% | | | | | |
| REGULATION | | | | | | |
| Line Volts | ±5% | | | | | |
| Lamp Watts | WITHIN TRAPEZOID | | | | | |
| LINE CURRENT (Amps) | | | | | | |
| Operating | | 1.05 | | | | |
| Open Circuit | | 1.80 | | | | |
| Starting | | 1.50 | | | | |
| UL TEMPERATURE RATINGS | | | | | | |
| Insulation Class | H(180℃) | | | | | |
| Coil Temperature Code | 1029 | A | | | | |
| MIN. AMBIENT STARTING TEMP. | -40℉ or -40℃ | | | | | |
| NOM. OPEN CIRCUIT VOLTAGE | 120 | | | | | |
| INPUT VOLTAGE AT LAMP DROPOUT | | 96 | | | | |
| INPUT WATTS | 115 | | | | | |
| RECOMMENDED FUSE (Amps) | | 5 | | | | |
| CORE and COIL | | | | | | |
| Dimension (A) | 1.50 | | | | | |
| Dimension (B) | 3.00 | | | | | |
| Weight (lbs.) | 2.8 | | | | | |
| Lead Lengths | 12" | | | | | |
| CAPACITOR REQUIREMENT | | | | | | |
| Microfarads | 36.0 | | | | | |
| Volts (min.) | 120 | | | | | |
| 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) | 114-126 | | | | | |
| Short-Circuit Current Test (Amps) | | | | | | |
| Secondary Current | 2.40-3.60 | | | | | |
| Input Current | | 1.00-1.60 | - | - | - | - |

Capacitor: 7C360M12RA




Capacitance: 36
Dia/Oval Dim: 1.65
Height: 2.75
Temp Rating: 105℃

Ignitor: INTEGRAL

An ignitor integral to the core and coil assembly is used to start the lamp.

Ballast to Lamp Distance (BTL) = 2 feet
Temp Rating: 125℃

Wiring Diagram:

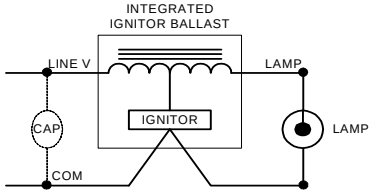



Fig. H

### Ordering Information

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

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


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