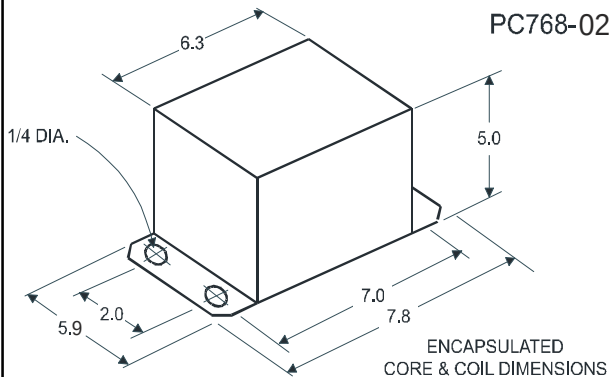


# PHILIPS ADVANCE

Metal  
Halide  
Lamp Ballast

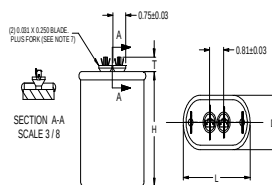
Catalog Number 73B6590  
For 1000W M47  
60 Hz CWA  
Status: Active

## DIMENSIONS AND DATA



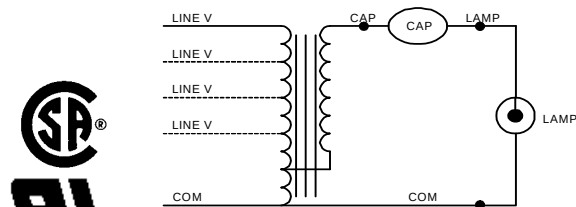
|                                                                                      |                |           |           |           |   |
|--------------------------------------------------------------------------------------|----------------|-----------|-----------|-----------|---|
| INPUT VOLTS                                                                          | 120            | 208       | 240       | 277       |   |
| CIRCUIT TYPE                                                                         | CWA            |           |           |           |   |
| POWER FACTOR (min)                                                                   | 90%            |           |           |           |   |
| REGULATION                                                                           |                |           |           |           |   |
| Line Volts                                                                           | ±10%           |           |           |           |   |
| Lamp Watts                                                                           | ±10%           |           |           |           |   |
| LINE CURRENT (Amps)                                                                  |                |           |           |           |   |
| Operating.....                                                                       | 9.00           | 5.20      | 4.50      | 3.90      |   |
| Open Circuit.....                                                                    | 5.00           | 2.70      | 2.50      | 2.20      |   |
| Starting.....                                                                        | 7.00           | 4.00      | 3.50      | 3.00      |   |
| 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                                                            | 415            |           |           |           |   |
| INPUT VOLTAGE AT LAMP DROPOUT.....                                                   | 60             | 104       | 120       | 138       |   |
| INPUT WATTS                                                                          | 1070           |           |           |           |   |
| RECOMMENDED FUSE (Amps).....                                                         | 20             | 15        | 10        | 10        |   |
| CORE and COIL                                                                        |                |           |           |           |   |
| Dimension (A)                                                                        |                |           |           |           |   |
| Dimension (B)                                                                        |                |           |           |           |   |
| Weight (lbs.)                                                                        | 26             |           |           |           |   |
| Lead Lengths                                                                         | 12"            |           |           |           |   |
| CAPACITOR REQUIREMENT                                                                |                |           |           |           |   |
| Microfarads                                                                          | 24.0           |           |           |           |   |
| Volts (min.)                                                                         | 480            |           |           |           |   |
| 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)                                                    | 370-460        |           |           |           |   |
| Short-Circuit Current Test (Amps)                                                    |                |           |           |           |   |
| Secondary Current                                                                    | 4.90-6.10      |           |           |           |   |
| Input Current.....                                                                   | 5.30-8.00      | 3.10-4.70 | 2.70-4.00 | 2.30-3.50 | - |

Capacitor: MD2409-100



Capacitance: 24  
Dia/Oval Dim: 1.75  
Height: 3.9  
Temp Rating: 90°C

### Wiring Diagram:



### Ordering Information

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

Ignitor: NA

This ballast does not  
require the use of an ignitor.

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.

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09/20/05