

# Plusrite®

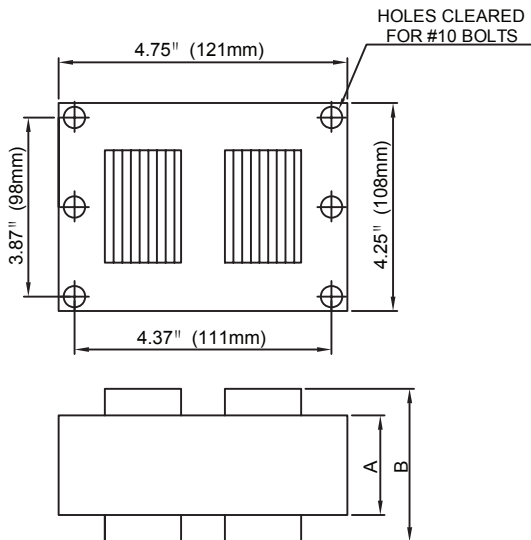
CATALOG NUMBER: BAMH250-CWA/V3

## 250W M58

### Metal Halide Lamp Ballast

60 Hz CWA

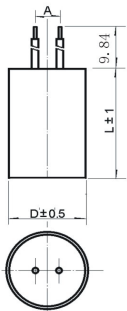
#### 4X4 CORE.WMF



#### Capacitor:

Microfarads: 15.0 uf  
Volts (Min): 400 V  
Case Temp(Max): 100°C  
D: 1.65 in  
L: 3.15 in  
A: 0.63 in

#### Ignitor: None

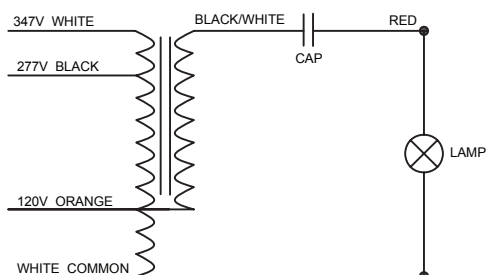


Dry Type Capacitor with Leads

No Ignitor Needed

#### Wiring Diagram:

c **AL** <sup>®</sup> US RoHS



|                                |             |      |      |
|--------------------------------|-------------|------|------|
| Input Volts                    | 120         | 277  | 347  |
| Circuit Type                   | CWA         |      |      |
| REGULATION                     |             |      |      |
| Line Volts                     | ±10%        |      |      |
| Lamp Watts                     | ±8%         |      |      |
| LINE CURRENT( Amps )           |             |      |      |
| Operating                      | 2.36        | 1.03 | 0.83 |
| Open Circuit                   | 2.36        | 1.05 | 0.83 |
| Starting                       | 1.75        | 0.76 | 0.60 |
| RECOMMENDED FUSE (Amps)        | 7           | 4    | 3    |
| TEMPERATURE RATINGS            |             |      |      |
| Insulation Class               | 180 (H)     |      |      |
| Coil Temperature Code          | B           | C    | C    |
| Benchtop Coil Rise             | 69.9        | 72.7 | 72.7 |
| Power Factor (Min)             | 90%         |      |      |
| Input Watts                    | 293W        |      |      |
| Efficiency                     |             |      |      |
| NOM. OPEN CIRCUIT VOLTAGE      | 306         |      |      |
| INPUT VOLTAGE AT LAMP DROPOUT  | 80          | 198  | 243  |
| MIN AMBIENT STARTING TEMP      | -20°F/-30°C |      |      |
| 60 HZ TEST PROCEDURES          |             |      |      |
| High Potential Test (Volts)    |             |      |      |
| 1 Minute                       | 1,650 V     |      |      |
| 1 Second                       | 2,000 V     |      |      |
| Open Circuit Voltage Test (V)  | 275 - 340   |      |      |
| Short Circuit Current Test (A) |             |      |      |
| Secondary Current              | Min 2.20    |      |      |
| Max 2.70                       |             |      |      |
| Input Current                  | Min 1.30    | 0.60 | 0.46 |
| Max 2.05                       | 0.95        | 0.70 |      |
| CORE and COIL Specifications   |             |      |      |
| Dimension A (in)               | 1.46        |      |      |
| Dimension B (in)               | 3.30        |      |      |
| Weight (lbs)                   | 8.3         |      |      |
| Lead Lengths (in)              | 12          |      |      |
| CAPACITOR REQUIREMENT          |             |      |      |
| Microfarads                    | 15.0 uf     |      |      |
| Volts (Min)                    | 400 V       |      |      |

#### ORDERING INFORMATION

The ballast comes with a kit including capacitor and bracket.

Data is based upon tests performed by Plusrite 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.

Coil material: Cu/Al