# Plusrite®

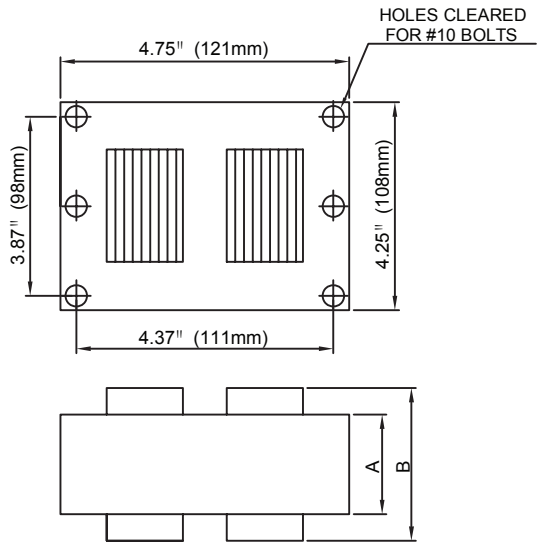
# CATALOG NUMBER: BAPS250-CWA/V4

# 250W M138/M153

## Pulse Start Metal Halide Lamp Ballast

### 60 Hz CWA

**4X4 CORE.WMF**



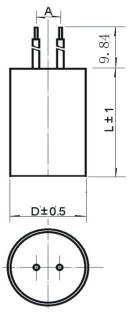

| Input Volts / Circuit Type | | 120 | 208 | 240 | 277 |
|---|---|---|---|---|---|
| | CWA | | | | |
| REGULATION | | | | | |
| Line Volts | ±10% | | | | |
| Lamp Watts | ±9% | | | | |
| LINE CURRENT( Amps ) | | | | | |
| Operating | | 2.45 | 1.45 | 1.25 | 1.05 |
| Open Circuit | | 1.80 | 1.10 | 0.90 | 0.80 |
| Starting | | 1.75 | 1.00 | 0.90 | 0.75 |
| RECOMMENDED FUSE (Amps) | | 7 | 4 | 4 | 3 |
| TEMPERATURE RATINGS | | | | | |
| Insulation Class | 180 (H) | | | | |
| Coil Temperature Code | A | | | | |
| Benchtop Coil Rise | | 63.7 | 66.4 | 65.6 | 65.4 |
| Power Factor (Min) | 90% | | | | |
| Input Watts | 285 W | | | | |
| Efficiency | 88% | | | | |
| NOM. OPEN CIRCUIT VOLTAGE | 275 | | | | |
| INPUT VOLTAGE AT LAMP DROPOUT | | 65 | 110 | 125 | 145 |
| MIN AMBIENT STARTING TEMP | -20°F/-30°C | | | | |
| 60 HZ TEST PROCEDURES | | | | | |
| High Potential Test (Volts) | | | | | |
| 1 Minute | 1,600 V | | | | |
| 1 Second | 1,900 V | | | | |
| Open Circuit Voltage Test (V) | 250 - 300 | | | | |
| Short Circuit Current Test (A) | | | | | |
| Secondary Current Min | 2.30 | | | | |
| Secondary Current Max | 2.85 | | | | |
| Input Current Min | | 1.35 | 0.80 | 0.65 | 0.60 |
| Input Current Max | | 2.05 | 1.20 | 1.00 | 0.90 |
| CORE and COIL Specifications | | | | | |
| Dimension A (in) | 2.00 | | | | |
| Dimension B (in) | 4.15 | | | | |
| Weight (lbs) | 11.0 | | | | |
| Lead Lengths (in) | 12 | | | | |
| CAPACITOR REQUIREMENT | | | | | |
| Microfarads | 16.0uf | | | | |
| Volts (Min) | 370 V | | | | |

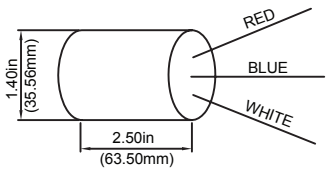
**Capacitor:**

| | |
|---|---|
| Microfarads: | 16.0 uf |
| Volts (Min ): | 370 V |
| Case Temp(Max): | 100°C |
| D: | 1.65 in |
| L: | 3.15 in |
| A: | 0.63 in |

**Ignitor:**

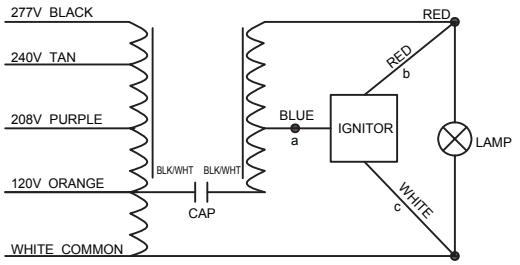
| | |
|---|---|
| Case Temp (Max): | 105 °C |
| BTL Distance (Max): | 2 ft |




Dry Type Capacitor with Leads

**Wiring Diagram:** c UL us RoHS




## ORDERING INFORMATION

The ballast comes with a kit including capacitor, ignitor and bracket.

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

Coil material: Cu/Al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