



Core & Coil (71A) HPS ~LT~ 200W

CORE & COIL HID HPS BAL 50W S68 120V C&C

The basic ballast is the open core and coil which is most often used as a component within a lighting luminaire. The core and coil also forms the nucleus of Philips Advance's five other ballast configurations.

Product data

| General Information | |
|------------------------------|----------------|
| ANSI Code | S68 |
| Lamp Type | 50W HPS |
| Number of Lamps | 1 piece/unit |
| Circuit Type | R-NPF |
| Ballast Type | Magnetic HID |
| Base Model | 71A7807B_NPF |
| Core Size | 2 5/8 x 2 3/16 |
| Suitable For Outdoor Use | Yes |
| Ignitor Catalog Number | INTEGRAL |
| Ignitor Temperature Rating | 125°C |
| Capacitor Value | NA |
| Capacitor Catalog Number | NA |
| Capacitor Requirements | NA |
| Capacitor Temperature Rating | NA |
| Automatic Restart | No |
| Operating and Electrical | |
| Input Voltage | 120 V |
| Input Frequency | 60 Hz |
| Inp. Current (Open Circuit) | 0 A |

| | |
|---------------------------------|------------------|
| Input Current (Starting) | 1.8 A |
| Input Current (Short Circuit) | 1.45-2.2 A |
| Secondary Short Circuit Current | 1.45-2.2 A |
| Constant Wattage Deviation | Within Trapezoid |
| Ballast Factor (Nom) | 1 |
| Power Factor (Nom) | 0.45 |
| Nominal Open Circuit Voltage | 120 V |
| Input Current (Operating) (Nom) | 1.18 A A |
| Input Power (Nom) | 62 W |
| Rated Lamp Watts | 50 W |

Wiring

| | |
|---|----------|
| Wire Striplength | 0.5 mm |
| Wire Length by Color | 12" |
| Wire Type | Stranded |
| Remote Wiring Configuration Allowed | Yes |
| Max Ballast-Lamp Distance Remote Wiring | 2' |
| Recommended Fuse Value | 5 A |

Approval and Application

| | |
|-----------------------------------|-----------|
| Open Circuit Voltage Test (Volts) | 114-126 V |
|-----------------------------------|-----------|

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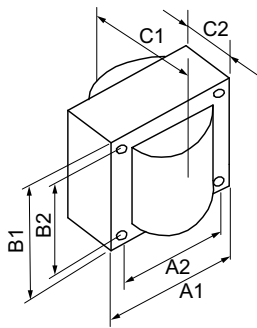
| | |
|------------------------|------------------------------------|
| Approbation Marks | ULR CSA certificate RoHS Compliant |
| Temperature Marking | A |
| UL Recognized | Yes |
| Hipot Test (1 Minute) | 2000 V |
| Hipot Test (2 Seconds) | 2500 V |
| UL Insulation Class | H(180°C) |
| UL Temperature Code | 1029A |

Product Data

| | |
|--------------------|--|
| Order product name | CORE & COIL HID HPS BAL 50W S68 120V C&C |
|--------------------|--|

| | |
|---------------------------------|--------------|
| EAN/UPC - Product | 781087780770 |
| Order code | 71A7807600B |
| Numerator - Quantity Per Pack | 1 |
| Numerator - Packs per outer box | 16 |
| Material Nr. (12NC) | 913700575709 |
| Net Weight (Piece) | 0.658 kg |

Dimensional drawing



HPS BAL 50W S68 120V C&C

| Product | C1 | C2 | A1 | A2 | B1 | B2 |
|-----------------------------|---------|---------|--------|--------|--------|--------|
| CORE & COIL HID 71A7807600B | 2.70 in | 0.95 in | 2.6 in | 2.2 in | 2.2 in | 1.8 in |

