



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

## CORE & COIL HID HPS BAL 50W S68 120/277V KIT

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            | Input Frequency                         | 60 Hz               |
| Lamp Type                          | 50W HPS        | Input Current (Open Circuit)            | 1/0.45 A            |
| Number of Lamps                    | 1 piece/unit   | Input Current (Starting)                | 0.65/0.3 A          |
| Circuit Type                       | HX-HPF         | Input Current (Short Circuit)           | 0.6-0.8/0.25-0.35 A |
| Ballast Type                       | Magnetic HID   | Secondary Short Circuit Current         | 1.3-1.9 A           |
| Base Model                         | 71A7801        | Constant Wattage Deviation              | Within Trapezoid    |
| Core Size                          | 3 X 4 (2 coil) | Ballast Factor (Nom)                    | 1                   |
| Suitable For Outdoor Use           | Yes            | Power Factor (Nom)                      | 0.90                |
| Ignitor Catalog Number             | LI551-H4       | Open Circuit Voltage                    | 125 V               |
| Ignitor Temperature Rating         | 105°C          | Input Current (Nom)                     | 0.61/0.26 A A       |
| Capacitor Value                    | 5 MFD          | Input Power (Nom)                       | 66 W                |
| Capacitor Catalog Number           | 7C050L30RA     | Rated Lamp Power                        | 50 W                |
| Capacitor Requirements             | 280V           | Wiring                                  |                     |
| Capacitor Temperature Rating       | 105°C          | Wire Striplength                        | 0.5 mm              |
| Capacitor Diameter/Oval Dimensions | 1.25 in        | Wire Length by Color                    | 12"                 |
| Capacitor Height                   | 2.25 in        | Wire Type                               | Stranded            |
| Automatic Restart                  | No             | Remote Wiring Configuration Allowed     | Yes                 |
| Operating and Electrical           |                | Max Ballast-Lamp Distance Remote Wiring | 2'                  |
| Input Voltage                      | 120/277 V      | Recommended Fuse Value                  | 3/1 A               |

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

### Approval and Application

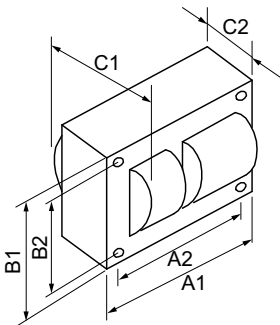
|                                   |                                    |
|-----------------------------------|------------------------------------|
| Open Circuit Voltage Test (Volts) | 115-135 V                          |
| Approval Marks                    | ULR CSA certificate RoHS Compliant |
| Temperature Marking               | A/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<br>120/277V KIT |
|--------------------|-------------------------------------------------|

|                                 |              |
|---------------------------------|--------------|
| EAN/UPC - Product               | 781087081327 |
| Order code                      | 193318       |
| Local order code                | 193318       |
| Numerator - Quantity Per Pack   | 1            |
| Numerator - Packs per outer box | 1            |
| Material Nr. (12NC)             | 913700537609 |
| Net Weight (Piece)              | 2.110 kg     |

### Dimensional drawing



HPS BAL 50W S68 120/277V KIT

| Product                                         | C1     | C2   | A1     | A2     | B1     | B2     |
|-------------------------------------------------|--------|------|--------|--------|--------|--------|
| CORE & COIL HID HPS BAL 50W S68<br>120/277V KIT | 2.2 in | 1 in | 3.9 in | 3.5 in | 2.8 in | 2.4 in |

