

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

## CORE & COIL HID 71A8007500D

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                |                | Operating and Electrical        |                  |
|------------------------------------|----------------|---------------------------------|------------------|
| ANSI Code                          | S54            | Input Voltage                   | 120 V            |
| Lamp Type                          | 100W HPS       | Input Frequency                 | 60 Hz            |
| Number Of Lamps                    | 1 piece/unit   | Power (Rated) (Nom)             | 100 W            |
| Circuit Type                       | R-HPF          | Input Current (Open Circuit)    | 1.8 A            |
| Ballast Type                       | Magnetic HID   | Input Current (Starting)        | 1.5 A            |
| Base Model                         | 71A8007        | Input Current (Short Circuit)   | 1.0-1.6 A        |
| Core Size                          | 2 5/8 x 2 3/16 | Secondary Short Circuit Current | 2.4-3.6 A        |
| Suitable For Outdoor Use           | Yes            | Constant Wattage Deviation      | Within Trapezoid |
| Ignitor Catalog Number             | LI551-H4       | Ballast Factor (Nom)            | 1                |
| Ignitor Temperature Rating         | 105°C          | Power Factor (Nom)              | 0.90             |
| Capacitor Value                    | 36 MFD         | Open Circuit Voltage            | 120 V            |
| Capacitor Catalog Number           | 7C360M12RA     | Input Current (Nom)             | 1.05 A A         |
| Capacitor Requirements             | 120V           | Input Power (Nom)               | 115 W            |
| Capacitor Temperature Rating       | 105°C          | Rated Lamp Power                | 100W W           |
| Capacitor Diameter/Oval Dimensions | 1.65 in        | Wiring                          |                  |
| Capacitor Height                   | 2.75 in        | Wire Striplength                | 0.5 mm           |
| Automatic Restart                  | No             | Wire Length By Color            | 12"              |
|                                    |                | Wire Type                       | Stranded         |

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|   |     |
|---|-----|
| Remote Wiring Configuration Allowed     | Yes |
| Max Ballast-Lamp Distance Remote Wiring | 2'  |
| Recommended Fuse Value                  | 5 A |

### Approval and Application

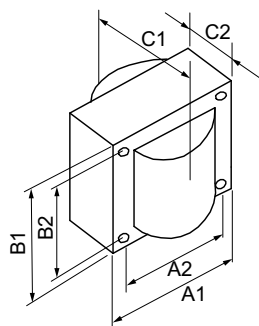
|                                   |                                    |
|-----------------------------------|------------------------------------|
| Open Circuit Voltage Test (Volts) | 114-126 V                          |
| Approval Marks                    | ULR CSA certificate RoHS Compliant |
| 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 71A8007500D |
| EAN/UPC - Product               | 781087800751                |
| Order code                      | 913700526209                |
| Numerator - Quantity Per Pack   | 1                           |
| Numerator - Packs per outer box | 12                          |
| Material Nr. (12NC)             | 913700526209                |
| Net Weight (Piece)              | 1.275 kg                    |

### Dimensional drawing



| Product                     | C1     | C2     | A1     | A2     | B1     | B2     |
|-----------------------------|--------|--------|--------|--------|--------|--------|
| CORE & COIL HID 71A8007500D | 2.8 in | 1.5 in | 2.6 in | 2.2 in | 2.2 in | 1.8 in |

HPS BAL 100W S54 120V C&C

