

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

## CORE & COIL HID 71A7707510D

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                          | S76            | Input Frequency                         | 60 Hz            |
| Lamp Type                          | 35W HPS        | Input Current (Open Circuit)            | 0.65 A           |
| Number of Lamps                    | 1 piece/unit   | Input Current (Starting)                | 0.78 A           |
| Circuit Type                       | R-HPF          | Input Current (Short Circuit)           | 0.45-0.65 A      |
| Ballast Type                       | Magnetic HID   | Secondary Short Circuit Current         | 0.9-1.4 A        |
| Base Model                         | 71A7707        | Constant Wattage Deviation              | Within Trapezoid |
| Core Size                          | 2 5/8 x 2 3/16 | Ballast Factor (Nom)                    | 1                |
| Suitable For Outdoor Use           | Yes            | Power Factor (Nom)                      | 0.90             |
| Ignitor Catalog Number             | LI551-H4       | Open Circuit Voltage                    | 120 V            |
| Ignitor Temperature Rating         | 105°C          | Input Current (Nom)                     | 0.38 A A         |
| Capacitor Value                    | 14 MFD         | Input Power (Nom)                       | 46 W             |
| Capacitor Catalog Number           | 7C140L12RA     | Rated Lamp Power                        | 35 W             |
| Capacitor Requirements             | 120V           | 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 V          | Recommended Fuse Value                  | 2 A              |

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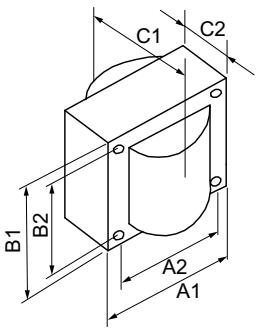
### Approval and Application

|                                   |                                    |
|-----------------------------------|------------------------------------|
| 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 71A7707510D |
| EAN/UPC - Product               | 781087023259                |
| Order code                      | 913710467702                |
| Numerator - Quantity Per Pack   | 1                           |
| Numerator - Packs per outer box | 8                           |
| Material Nr. (12NC)             | 913710467702                |
| Net Weight (Piece)              | 0.649 kg                    |

### Dimensional drawing



HPS BAL 35W S76 120V C&C

| Product                     | C1     | C2      | A1     | A2     | B1     | B2     |
|-----------------------------|--------|---------|--------|--------|--------|--------|
| CORE & COIL HID 71A7707510D | 1.8 in | 0.65 in | 2.6 in | 2.2 in | 2.2 in | 1.8 in |

