



# Core & Coil (71A) HPS ~GT~ 400W

## CORE & COIL HID HPS BAL 1000W S52 QUAD 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                          | S52               |
| Lamp Type                          | 1000W HPS         |
| Number of Lamps                    | 1 piece/unit      |
| Circuit Type                       | CWA               |
| Ballast Type                       | Magnetic HID      |
| Base Model                         | 71A8793           |
| Core Size                          | 4 1/4 x 6         |
| Suitable For Outdoor Use           | Yes               |
| Ignitor Catalog Number             | LI571-H5          |
| Ignitor Temperature Rating         | 105°C             |
| Capacitor Value                    | 26 MFD            |
| Capacitor Catalog Number           | RW1626020         |
| Capacitor Requirements             | 525V              |
| Capacitor Temperature Rating       | 90°C              |
| Capacitor Diameter/Oval Dimensions | 1.75 in           |
| Capacitor Height                   | 4.25 in           |
| Automatic Restart                  | No                |
|                                    |                   |
| Operating and Electrical           |                   |
| Input Voltage                      | 120/208/240/277 V |
|                                    |                   |

| Input Frequency                     | 60 Hz                            |
|-------------------------------------|----------------------------------|
| Inp. Current (Open Circuit)         | 4.8/2.7/2.4/2.2 A                |
| Input Current (Starting)            | 6.4/3.8/3.2/2.8 A                |
| Input Current (Short Circuit)       | 5.2-7.8/3-4.5/2.6-3.8/2.25-3.4 A |
| Secondary Short Circuit Current     | 6.4-7.8 A                        |
| Constant Wattage Deviation          | Within Trapezoid                 |
| Ballast Factor (Nom)                | 1                                |
| Power Factor (Nom)                  | 0.90                             |
| Nominal Open Circuit Voltage        | 441 V                            |
| Input Current (Operating) (Nom)     | 9.5/5.5/4.75/4.15 A A            |
| Input Power (Nom)                   | 1100 W                           |
| Rated Lamp Watts                    | 1000 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    | 15'                              |
| Wiring                              |                                  |
|                                     |                                  |

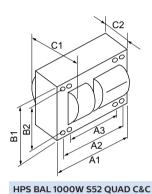
Datasheet, 2019, March 22 data subject to change

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| Recommended Fuse Value            | 25/15/10/10 A                      |
|-----------------------------------|------------------------------------|
|                                   |                                    |
| Approval and Application          |                                    |
| Open Circuit Voltage Test (Volts) | 395-485 V                          |
| Approbation Marks                 | ULR CSA certificate RoHS Compliant |
| Temperature Marking               | C/B/C/C                            |
| UL Recognized                     | Yes                                |
| Hipot Test (1 Minute)             | 2000 V                             |
| Hipot Test (2 Seconds)            | 2500 V                             |
| UL Insulation Class               | H(180°C)                           |
| UL Temperature Code               | 1029C                              |
|                                   |                                    |

| Product Data                    |  |
|---------------------------------|--|
| Order product name              | CORE & COIL HID HPS BAL 1000W S52 QUAD |
|                                 | C&C                                    |
| EAN/UPC - Product               | 781087879351                           |
| Order code                      | 71A8793500                             |
| Numerator - Quantity Per Pack   | 1                                      |
| Numerator - Packs per outer box | 2                                      |
| Material Nr. (12NC)             | 913700500809                           |
| Net Weight (Piece)              | 12.760 kg                              |

### Dimensional drawing



 Product
 C1
 C2
 A1
 A2
 A3
 B1
 B2

 CORE & COIL HID HPS BAL 1000W
 5.75 in
 3.75 in
 6 in
 5.4 in
 4.4 in
 4.3 in
 3.9 in

 S52 QUAD C&C



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