



Core & Coil (71A) HPS 200W - 400W

CORE & COIL HID 71A8251001D

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 | | Input Frequency | |
|------------------------------------|-----------------------|---|---|
| ANSI Code | S50 | Input Frequency | 60 Hz |
| Lamp Type | 250W HPS | Input Current (Open Circuit) | 1.82/1.1/0.92/0.83/0.45 A |
| Number of Lamps | 1 piece/unit | Input Current (Starting) | 1.32/0.82/0.66/0.56/0.32 A |
| Circuit Type | CWA | Input Current (Short Circuit) | 0.81-1.22/0.44-0.66/0.39-0.58/0.32-0.49/0.2-0.3 A |
| Ballast Type | Magnetic HID | Secondary Short Circuit Current | 3.69-4.51 A |
| Base Model | 71A8251 | Constant Wattage Deviation | Within Trapezoid |
| Core Size | 4 x 4 (2 coil) | Ballast Factor (Nom) | 1 |
| Suitable For Outdoor Use | Yes | Power Factor (Nom) | 0.90 |
| Ignitor Catalog Number | LI501-H4 | Open Circuit Voltage | 188 V |
| Ignitor Temperature Rating | 105°C | Input Current (Nom) | 2.66/1.54/1.32/1.16/0.66 A A |
| Capacitor Value | 35 MFD | Input Power (Nom) | 300 W |
| Capacitor Catalog Number | 7C350P24RA | Rated Lamp Power | 250 W |
| Capacitor Requirements | 240V | Wiring | |
| Capacitor Temperature Rating | 105°C | Wire Striplength | 0.5 mm |
| Capacitor Diameter/Oval Dimensions | 1.65 in | Wire Length by Color | 12" |
| Capacitor Height | 3.7 in | Wire Type | Stranded |
| Automatic Restart | No | Remote Wiring Configuration Allowed | Yes |
| Operating and Electrical | | Max Ballast-Lamp Distance Remote Wiring | 2' |
| Input Voltage | 120/208/240/277/480 V | Recommended Fuse Value | 7/4/4/3/2 A |

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Approval and Application

| | |
|-----------------------------------|------------------------------------|
| Open Circuit Voltage Test (Volts) | 169-207 V |
| Approval Marks | ULR CSA certificate RoHS Compliant |
| Temperature Marking | C/C/B/B/B |
| 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 71A8251001D |
| EAN/UPC - Product | 781087114193 |
| Order code | 913710414701 |
| Numerator - Quantity Per Pack | 1 |
| Numerator - Packs per outer box | 1 |
| Material Nr. (12NC) | 913710414701 |
| Net Weight (Piece) | 5.612 kg |

Dimensional drawing



HPS BAL 250W S50 5-TAP KIT

| Product | C1 | C2 | A1 | A2 | B1 | B2 |
|-----------------------------|--------|------|--------|--------|--------|--------|
| CORE & COIL HID 71A8251001D | 3.6 in | 2 in | 4.8 in | 4.4 in | 4.3 in | 3.9 in |





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