PHILIPS Lighting



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

CORE & COIL HID HPS BAL 250W S50 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 | S50 |
| Lamp Type | 250W HPS |
| Number of Lamps | 1 piece/unit |
| Circuit Type | CWA |
| Ballast Type | Magnetic HID |
| Base Model | 71A8291A |
| Core Size | 4 x 4 (2 coil) |
| Suitable For Outdoor Use | Yes |
| Ignitor Catalog Number | LI501-H4 |
| Ignitor Temperature Rating | 105°C |
| Capacitor Value | 35 MFD |
| Capacitor Catalog Number | 7C350P24RA |
| Capacitor Requirements | 240V |
| Capacitor Temperature Rating | 105°C |
| Capacitor Diameter/Oval Dimensions | 1.65 in |
| Capacitor Height | 3.7 in |
| Automatic Restart | No |
| | |
| Operating and Electrical | |
| Input Voltage | 120/208/240/277 V |

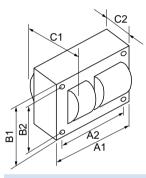
| Input Frequency | 60 Hz |
|-------------------------------------|---|
| Input Current (Open Circuit) | 1.53/0.95/0.77/0.63 A |
| Input Current (Starting) | 1.61/0.89/0.8/0.68 A |
| Input Current (Short Circuit) | 1.16-1.74/0.64-0.96/0.56-0.85/0.49-0.74 A |
| Secondary Short Circuit Current | 3.65-4.45 A |
| Constant Wattage Deviation | Within Trapezoid |
| Ballast Factor (Nom) | 1 |
| Power Factor (Nom) | 0.90 |
| Open Circuit Voltage | 187 V |
| Input Current (Nom) | 2.5/1.47/1.25/1.09 A A |
| Input Power (Nom) | 295 W |
| Rated Lamp Power | 250 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 | 2' |
| Wiring | |
| | |

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| Recommended Fuse Value | 7/4/4/3 A | | | | |
|-----------------------------------|------------------------------------|--|--|--|--|
| | | | | | |
| Approval and Application | | | | | |
| Open Circuit Voltage Test (Volts) | 170-205 V | | | | |
| Approval Marks | ULR CSA certificate RoHS Compliant | | | | |
| Temperature Marking | B/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 | 1029B | | | | |
| | | | | | |

| Product Data | | | | | | |
|---------------------------------|--|--|--|--|--|--|
| Order product name | CORE & COIL HID HPS BAL 250W S50 QUAD C& | | | | | |
| EAN/UPC - Product | 781087069486 | | | | | |
| Order code | 913710664002 | | | | | |
| Numerator - Quantity Per Pack | 1 | | | | | |
| Numerator - Packs per outer box | 2 | | | | | |
| Material Nr. (12NC) | 913710664002 | | | | | |
| Net Weight (Piece) | 5.113 kg | | | | | |
| | | | | | | |

Dimensional drawing



HPS BAL 250W S50 QUAD C&C

| Product | C1 | C2 | A1 | A2 | B1 | B2 |
|----------------------------------|---------|--------|--------|--------|--------|--------|
| CORE & COIL HID HPS BAL 250W S50 | 3.82 in | 1.8 in | 4.8 in | 4.4 in | 4.3 in | 3.9 in |
| QUAD C&C | | | | | | |



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www.lighting.philips.com 2019, March 22 - data subject to change