



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

CORE & COIL HID HPS BAL 100W S54 120/277/V
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 | S54 |
| Lamp Type | 100W HPS |
| Number of Lamps | 1 piece/unit |
| Circuit Type | CWA |
| Ballast Type | Magnetic HID |
| Base Model | 71A8088 |
| Core Size | 3 X 4 (2 coil) |
| Suitable For Outdoor Use | Yes |
| Ignitor Catalog Number | LI551-J4 |
| Ignitor Temperature Rating | 105°C |
| Capacitor Value | 34 MFD |
| Capacitor Catalog Number | 7C340P24RA |
| Capacitor Requirements | 170V |
| Capacitor Temperature Rating | 105°C |
| Capacitor Diameter/Oval Dimensions | 1.65 in |
| Capacitor Height | 3.7 in |
| Automatic Restart | No |

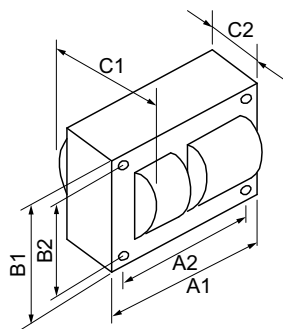
| Operating and Electrical | |
|-------------------------------------|--------------------|
| Input Voltage | 120/277 V |
| Input Frequency | 60 Hz |
| Input Current (Open Circuit) | 0.65/0.25 A |
| Input Current (Starting) | 0.8/0.35 A |
| Input Current (Short Circuit) | 0.5-0.8/0.2-0.35 A |
| Secondary Short Circuit Current | 2.85-3.1 A |
| Constant Wattage Deviation | Within Trapezoid |
| Ballast Factor (Nom) | 1 |
| Power Factor (Nom) | 0.90 |
| Open Circuit Voltage | 115 V |
| Input Current (Nom) | 1.15/0.5 A A |
| Input Power (Nom) | 138 W |
| Rated Lamp Power | 100 W |
| | |
| Wiring | |
| Wire Striplength | 0.5 mm |
| Wire Length by Color | 12" |
| Wire Type | Stranded |
| Remote Wiring Configuration Allowed | Yes |

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| | |
|---|------------------------------------|
| Max Ballast-Lamp Distance Remote Wiring | 5' |
| Recommended Fuse Value | 3/2 A |
| Approval and Application | |
| Open Circuit Voltage Test (Volts) | 105-125 V |
| Approval Marks | ULR CSA certificate RoHS Compliant |
| Temperature Marking | F/F |
| UL Recognized | Yes |
| Hipot Test (1 Minute) | 2000 V |
| Hipot Test (2 Seconds) | 2500 V |
| UL Insulation Class | H(180°C) |
| UL Temperature Code | 1029F |

| | |
|---------------------------------|---|
| Product Data | |
| Order product name | CORE & COIL HID HPS BAL 100W S54 120/277/V C&C |
| EAN/UPC - Product | 781087808856 |
| Order code | 913700504871 |
| Numerator - Quantity Per Pack | 1 |
| Numerator - Packs per outer box | 4 |
| Material Nr. (12NC) | 913700504871 |
| Net Weight (Piece) | 3.507 kg |

Dimensional drawing



HPS BAL 100W S54 120/277/V C&C

| Product | C1 | C2 | A1 | A2 | B1 | B2 |
|-----------------------------|--------|------|--------|--------|--------|--------|
| CORE & COIL HID 71A8088500D | 3.3 in | 2 in | 3.9 in | 3.5 in | 2.8 in | 2.4 in |

