PHILIPS Lighting



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

CORE & COIL HID HPS BAL 600W S106 277/347/480V 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 | S106 | | | | |
| Lamp Type | 600W HPS | | | | |
| Number of Lamps | 1 piece/unit | | | | |
| Circuit Type | CWA | | | | |
| Ballast Type | Magnetic HID | | | | |
| Base Model | 71A85F5 | | | | |
| Core Size | 4 1/4 x 6 | | | | |
| Suitable For Outdoor Use | Yes | | | | |
| Ignitor Catalog Number | LI561-H5 | | | | |
| Ignitor Temperature Rating | 105°C | | | | |
| Capacitor Value | 64 MFD | | | | |
| Capacitor Catalog Number | 7C640S28RA | | | | |
| Capacitor Requirements | 280V | | | | |
| Capacitor Temperature Rating | 105°C | | | | |
| Capacitor Diameter/Oval Dimensions | 3.12 in | | | | |
| Capacitor Height | 4.9 in | | | | |
| Automatic Restart | No | | | | |

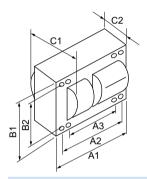
| Operating and Electrical | |
|-------------------------------------|-------------------------|
| Input Voltage | 277/347/480 V |
| Input Frequency | 60 Hz |
| Inp. Current (Open Circuit) | 1.4/1.1/0.75 A |
| Input Current (Starting) | 2.15/1.7/1.2 A |
| Input Current (Short Circuit) | 1.3-2/1.1-1.6/0.8-1.2 A |
| Secondary Short Circuit Current | 7.4-9 A |
| Constant Wattage Deviation | Within Trapezoid |
| Ballast Factor (Nom) | 1 |
| Power Factor (Nom) | 0.90 |
| Nominal Open Circuit Voltage | 228 V |
| Input Current (Operating) (Nom) | 2.5/2/1.43 A A |
| Input Power (Nom) | 665 W |
| Rated Lamp Watts | 600 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 | 7/5/4 A | | | | |
| | | | | | |
| Approval and Application | | | | | |
| Open Circuit Voltage Test (Volts) | 205-250 V | | | | |
| Approbation Marks | ULR CSA certificate RoHS Compliant | | | | |
| Temperature Marking | A/A/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 HPS BAL 600W S106 |
| | 277/347/480V C&C |
| EAN/UPC - Product | 781087037355 |
| Order code | 71A85F5500D |
| Numerator - Quantity Per Pack | 1 |
| Numerator - Packs per outer box | 2 |
| Material Nr. (12NC) | 913700578309 |
| Net Weight (Piece) | 10.665 kg |
| | |

Dimensional drawing



HPS BAL 600W S106 277/347/480V C&C

| Product | C1 | C2 | A1 | A2 | A3 | B1 | B2 |
|------------------------------|--------|---------|------|--------|--------|--------|--------|
| CORE & COIL HID HPS BAL 600W | 4.9 in | 3.12 in | 6 in | 5.4 in | 4.4 in | 4.3 in | 3.9 in |
| S106 277/347/480V C&C | | | | | | | |



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