

Reliable performance

Core & Coil (71A) HPS 200W – 400W

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.

Benefits

- Vacuum-pressure impregnation is used to re-enforce the electrical insulation of the ballast, preclude moisture, inhibit noise, and dissipate heat
- Pre-insulated voltage leads reduce the risk of shock and shrink installation time

Features

- Vacuum-pressure impregnated with a silica-filled polyester varnish
- All core and coil ballasts below 600W utilize a UL Class H (180°C) insulation system
- C and C ballasts 600W and higher utilize a UL Class N (200°C) insulation system
- Pre-insulated voltage leads
- Ballast kits supplied with pre-wired ignitor

Application

- High bay retail, manufacturing, gymnasiums, warehouses, parking structures, outdoor

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

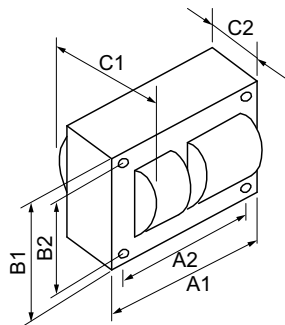
Versions



71A82N1500D

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

Dimensional drawing



| Product | C1 | C2 | A1 | A2 | B1 | B2 |
|--|---------|---------|--------|--------|--------|--------|
| CORE & COIL HID HPS BAL 250W S50 QUAD C&C | 3.82 in | 1.8 in | 4.8 in | 4.4 in | 4.3 in | 3.9 in |
| CORE & COIL HID HPS BAL 400W S51 480V/120T C&C | 4.00 in | 2.30 in | | | | |
| CORE & COIL HID HPS BAL 400W S51 5-TAP C&C | 4.84 in | 2.65 in | 4.8 in | 4.4 in | 4.3 in | 3.9 in |
| CORE & COIL HID HPS BAL 400W S51 5-TAP KIT | 4.84 in | 2.65 in | 4.8 in | 4.4 in | 4.3 in | 3.9 in |
| CORE & COIL HID HPS BAL 250W S50 5-TAP KIT | 3.6 in | 2 in | 4.8 in | 4.4 in | 4.3 in | 3.9 in |
| CORE & COIL HID HPS BAL 400W S51 230/400/480V C&C | 4.20 in | 2.30 in | 4.8 in | 4.4 in | 4.3 in | 3.9 in |
| CORE & COIL HID HPS BAL 250W S50 127/220V C&C | 3.55 in | 1.82 in | 4.8 in | 4.4 in | 4.3 in | 3.9 in |
| CORE & COIL HID HPS BAL 400W S51 480V/120T KIT | 4.3 in | 2.8 in | 4.8 in | 4.4 in | 4.3 in | 3.9 in |
| CORE & COIL HID HPS BAL 250W S50 480V/120T KIT | 3.45 in | 1.8 in | 4.8 in | 4.4 in | 4.3 in | 3.9 in |
| CORE & COIL HID HPS BAL 400W S51 QUAD KIT | 4.30 in | 2.65 in | 4.8 in | 4.4 in | 4.3 in | 3.9 in |
| CORE & COIL HID HPS BAL 250W S50 QUAD KIT | 3.82 in | 1.8 in | 4.8 in | 4.4 in | 4.3 in | 3.9 in |
| CORE & COIL HID HPS BAL 200W S66 QUAD KIT | 3 in | 1.2 in | 4.8 in | 4.4 in | 4.3 in | 3.9 in |
| CORE & COIL HID HPS BAL 400W S51 120/208/240V C&C | 4.40 in | 2.65 in | 4.8 in | 4.4 in | 4.3 in | 3.9 in |
| CORE & COIL HID HPS BAL 400W S51 120/277/347V KIT | 4.10 in | 2.30 in | 4.8 in | 4.4 in | 4.3 in | 3.9 in |
| CORE & COIL HID HPS BAL 250W S50 120/277/347V KIT | 3.60 in | 1.94 in | 4.8 in | 4.4 in | 4.3 in | 3.9 in |
| CORE & COIL HID HPS BAL 400W S51 120/277/347V C&C | 4.10 in | 2.30 in | 4.8 in | 4.4 in | 4.3 in | 3.9 in |
| CORE & COIL HID HPS BAL 400W S51 QUAD C&C | 4 in | 2.09 in | 4.8 in | 4.4 in | 4.3 in | 3.9 in |
| CORE & COIL HID HPS BAL 250W S50 120/277/347V C&C | 3.60 in | 1.94 in | 4.8 in | 4.4 in | 4.3 in | 3.9 in |
| CORE & COIL HID HPS BAL 400W S51 QUAD KIT | 4.30 in | 2.65 in | 4.8 in | 4.4 in | 4.3 in | 3.9 in |
| CORE & COIL HID HPS BAL 250W S50 120/220-240V 50HZ C&C | 3.7 in | 2.1 in | 4.8 in | 4.4 in | 4.3 in | 3.9 in |
| CORE & COIL HID HPS BAL 400W S51 120/220-240V 50HZ C&C | 4.1 in | 2.5 in | 4.8 in | 4.4 in | 4.3 in | 3.9 in |
| CORE & COIL HID HPS BAL 400W S51 480V/120T C&C | 4 in | 2.30 in | 4.8 in | 4.4 in | 4.3 in | 3.9 in |

General Information

Number Of Lamps 1 piece/unit

Operating and Electrical

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

| Order Code | Full Product Name | Input | |
|--------------|--|-----------|-------------------|
| | | Frequency | Input Voltage |
| 71A82N1500D | CORE & COIL HID HPS BAL 250W S50 120/220-240V 50HZ C&C | 50 Hz | 120/230 V |
| 71A8493001DC | CORE & COIL HID HPS BAL 400W S51 QUAD KIT | 60 Hz | 120/208/240/277 V |
| 71A82A1500D | CORE & COIL HID HPS BAL 250W S50 120/277/347V C&C | 60 Hz | 120/277/347 V |
| 71A8443500DT | CORE & COIL HID HPS BAL 400W S51 480V/120T C&C | 60 Hz | 480/120T V |
| 71A8493500D | CORE & COIL HID HPS BAL 400W S51 QUAD C&C | 60 Hz | 120/208/240/277 V |
| 71A84A3500D | CORE & COIL HID HPS BAL 400W S51 120/277/347V C&C | 60 Hz | 120/277/347 V |
| 71A84N3500D | CORE & COIL HID HPS BAL 400W S51 120/220-240V 50HZ C&C | 50 Hz | 120/230 V |
| 71A82A1001D | CORE & COIL HID HPS BAL 250W S50 120/277/347V KIT | 60 Hz | 120/277/347 V |
| 71A84A3001D | CORE & COIL HID HPS BAL 400W S51 120/277/347V KIT | 60 Hz | 120/277/347 V |
| 71A84E6500D | CORE & COIL HID HPS BAL 400W S51 120/208/240V C&C | 60 Hz | 120/208/240 V |

| Order Code | Full Product Name | Input | |
|----------------|---|-----------|-----------------------|
| | | Frequency | Input Voltage |
| 71A8970001D | CORE & COIL HID HPS BAL 200W S66 QUAD KIT | 60 Hz | 120/208/240/277 V |
| 71A8271001D | CORE & COIL HID HPS BAL 250W S50 QUAD KIT | 60 Hz | 120/208/240/277 V |
| 71A8473001D | CORE & COIL HID HPS BAL 400W S51 QUAD KIT | 60 Hz | 120/208/240/277 V |
| 71A8241001D | CORE & COIL HID HPS BAL 250W S50 480V/120T KIT | 60 Hz | 480 V |
| 71A8443001D | CORE & COIL HID HPS BAL 400W S51 480V/120T KIT | 60 Hz | 480/120T V |
| 71A82H1500DMLA | CORE & COIL HID HPS BAL 250W S50 127/220V C&C | 60 Hz | 127/220 V |
| 71A84Y3500D | CORE & COIL HID HPS BAL 400W S51 230/400/480V C&C | 60 Hz | 230/400/480 V |
| 71A8251001D | CORE & COIL HID HPS BAL 250W S50 5-TAP KIT | 60 Hz | 120/208/240/277/480 V |
| 71A8453001D | CORE & COIL HID HPS BAL 400W S51 5-TAP KIT | 60 Hz | 120/208/240/277/480 V |
| 71A8453500D | CORE & COIL HID HPS BAL 400W S51 5-TAP C&C | 60 Hz | 120/208/240/277/480 V |
| 71A8443620T | CORE & COIL HID HPS BAL 400W S51 480V/120T C&C | 60 Hz | 480/120T V |
| 71A8291500DA | CORE & COIL HID HPS BAL 250W S50 QUAD C&C | 60 Hz | 120/208/240/277 V |

General Information

| Order Code | Full Product Name | Capacitor Value | Lamp Type |
|--------------|---|-----------------|-----------|
| | | | |
| 71A82N1500D | CORE & COIL HID HPS BAL 250W S50 120/220-240V 50HZ C&C | 40 MFD | 250W HPS |
| 71A8493001DC | CORE & COIL HID HPS BAL 400W S51 QUAD KIT | 55 MFD | 400W HPS |
| 71A82A1500D | CORE & COIL HID HPS BAL 250W S50 120/277/347V C&C | 35 MFD | 250W HPS |
| 71A8443500DT | CORE & COIL HID HPS BAL 400W S51 480V/120T C&C | 55 MFD | 400W HPS |
| 71A8493500D | CORE & COIL HID HPS BAL 400W S51 QUAD C&C | 55 MFD | 400W HPS |
| 71A84A3500D | CORE & COIL HID HPS BAL 400W S51 120/277/347V C&C | 55 MFD | 400W HPS |
| 71A84N3500D | CORE & COIL HID HPS BAL 400W S51 120/220-240V 50HZ C&C | 64 MFD | 400W HPS |
| 71A82A1001D | CORE & COIL HID HPS BAL 250W S50 120/277/347V KIT | 35 MFD | 250W HPS |
| 71A84A3001D | CORE & COIL HID HPS BAL 400W S51 120/277/347V KIT | 55 MFD | 400W HPS |

| Order Code | Full Product Name | Capacitor Value | Lamp Type |
|----------------|--|-----------------|-----------|
| | | | |
| 71A84E6500D | CORE & COIL HID HPS BAL 400W S51 120/208/240V C&C | 48 MFD | 400W HPS |
| 71A8970001D | CORE & COIL HID HPS BAL 200W S66 QUAD KIT | 28 MFD | 200W HPS |
| 71A8271001D | CORE & COIL HID HPS BAL 250W S50 QUAD KIT | 35 MFD | 250W HPS |
| 71A8473001D | CORE & COIL HID HPS BAL 400W S51 QUAD KIT | 55 MFD | 400W HPS |
| 71A8241001D | CORE & COIL HID HPS BAL 250W S50 480V/120T KIT | 35 MFD | 250W HPS |
| 71A8443001D | CORE & COIL HID HPS BAL 400W S51 480V/120T KIT | 55 MFD | 400W HPS |
| 71A82H1500DMLA | CORE & COIL HID HPS BAL 250W S50 127/220V C&C | 35 MFD | 250W HPS |
| 71A84Y3500D | CORE & COIL HID HPS BAL 400W S51 230/400/480V C&C | 55 MFD | 400W HPS |
| 71A8251001D | CORE & COIL HID HPS BAL 250W S50 5-TAP KIT | 35 MFD | 250W HPS |

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

| Order Code | Full Product Name | Capacitor Value | Lamp Type |
|-------------|--|-----------------|-----------|
| 71A8453001D | CORE & COIL HID HPS BAL 400W S51 5-TAP KIT | 55 MFD | 400W HPS |
| 71A8453500D | CORE & COIL HID HPS BAL 400W S51 5-TAP C&C | 55 MFD | 400W HPS |

| Order Code | Full Product Name | Capacitor Value | Lamp Type |
|--------------|--|-----------------|-----------|
| 71A8443620T | CORE & COIL HID HPS BAL 400W S51 480V/120T C&C | 55 MFD | 400W HPS |
| 71A8291500DA | CORE & COIL HID HPS BAL 250W S50 QUAD C&C | 35 MFD | 250W HPS |

Mechanical and Housing

| Order Code | Full Product Name | Housing |
|--------------|--|---------|
| 71A82N1500D | CORE & COIL HID HPS BAL 250W S50 120/220-240V 50HZ C&C | - |
| 71A8493001DC | CORE & COIL HID HPS BAL 400W S51 QUAD KIT | - |
| 71A82A1500D | CORE & COIL HID HPS BAL 250W S50 120/277/347V C&C | - |
| 71A8443500DT | CORE & COIL HID HPS BAL 400W S51 480V/120T C&C | - |
| 71A8493500D | CORE & COIL HID HPS BAL 400W S51 QUAD C&C | - |
| 71A84A3500D | CORE & COIL HID HPS BAL 400W S51 120/277/347V C&C | - |
| 71A84N3500D | CORE & COIL HID HPS BAL 400W S51 120/220-240V 50HZ C&C | - |
| 71A82A1001D | CORE & COIL HID HPS BAL 250W S50 120/277/347V KIT | - |
| 71A84A3001D | CORE & COIL HID HPS BAL 400W S51 120/277/347V KIT | - |
| 71A84E6500D | CORE & COIL HID HPS BAL 400W S51 120/208/240V C&C | - |

| Order Code | Full Product Name | Housing |
|----------------|---|---------|
| 71A8970001D | CORE & COIL HID HPS BAL 200W S66 QUAD KIT | - |
| 71A8271001D | CORE & COIL HID HPS BAL 250W S50 QUAD KIT | - |
| 71A8473001D | CORE & COIL HID HPS BAL 400W S51 QUAD KIT | - |
| 71A8241001D | CORE & COIL HID HPS BAL 250W S50 480V/120T KIT | - |
| 71A8443001D | CORE & COIL HID HPS BAL 400W S51 480V/120T KIT | - |
| 71A82H1500DMLA | CORE & COIL HID HPS BAL 250W S50 127/220V C&C | - |
| 71A84Y3500D | CORE & COIL HID HPS BAL 400W S51 230/400/480V C&C | - |
| 71A8251001D | CORE & COIL HID HPS BAL 250W S50 5-TAP KIT | - |
| 71A8453001D | CORE & COIL HID HPS BAL 400W S51 5-TAP KIT | - |
| 71A8453500D | CORE & COIL HID HPS BAL 400W S51 5-TAP C&C | - |
| 71A8443620T | CORE & COIL HID HPS BAL 400W S51 480V/120T C&C | NA |
| 71A8291500DA | CORE & COIL HID HPS BAL 250W S50 QUAD C&C | - |

