

# Reliable performance

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

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

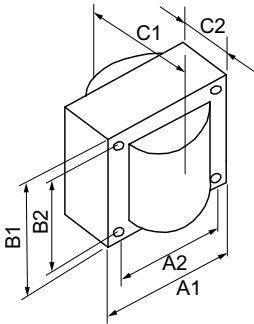
Core & Coil (71A) HPS ~LT~ 200W

Versions



71A8107600

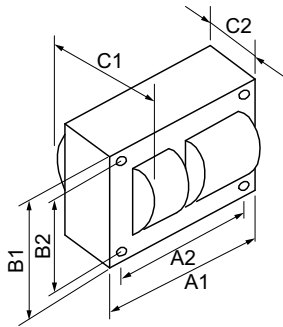
Dimensional drawing



Product	C1	C2	A1	A2	B1	B2
CORE & COIL HID HPS BAL 70W S62 120V C&C	2.9 in	1.3 in	2.6 in	2.2 in	2.2 in	1.8 in
CORE & COIL HID HPS BAL 150W S55 120V C&C	3.6 in	2 in	2.6 in	2.2 in	2.2 in	1.8 in
CORE & COIL HID HPS BAL 150W S55 120V C&C	3.3 in	2 in	2.6 in	2.2 in	2.2 in	1.8 in
CORE & COIL HID HPS BAL 100W S54 120V C&C	2.8 in	1.5 in	2.6 in	2.2 in	2.2 in	1.8 in
CORE & COIL HID HPS BAL 150W (EURO LAMP) 220/240V C&C	4.1 in	2.74 in	2.6 in	2.2 in	2.2 in	1.8 in
CORE & COIL HID HPS BAL 100W (EURO LAMP) 220/240V C&C	3.25 in	2 in	2.6 in	2.2 in	2.2 in	1.8 in
CORE & COIL HID HPS BAL 150W S55 120V C&C	3.60 in	2 in	2.6 in	2.2 in	2.2 in	1.8 in
CORE & COIL HID HPS BAL 70W S62 120V C&C	2.90 in	1.3 in	2.6 in	2.2 in	2.2 in	1.8 in
CORE & COIL HID HPS BAL 100W S54 120V KIT	3 in	1.5 in	2.6 in	2.2 in	2.2 in	1.8 in
CORE & COIL HID HPS BAL 150W S55 120V KIT	3.6 in	2 in	2.6 in	2.2 in	2.2 in	1.8 in
CORE & COIL HID HPS BAL 70W S62 120V KIT	2.9 in	1.3 in	2.6 in	2.2 in	2.2 in	1.8 in
CORE & COIL HID HPS BAL 50W S68 120V KIT	2.7 in	0.95 in	2.6 in	2.2 in	2.2 in	1.8 in
CORE & COIL HID HPS BAL 70W S62 120V C&C	2.5 in	1.3 in	2.6 in	2.2 in	2.2 in	1.8 in
CORE & COIL HID HPS BAL 35W S76 120V KIT	2.2 in	0.65 in	2.6 in	2.2 in	2.2 in	1.8 in

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

### Dimensional drawing



Product	C1	C2	A1	A2	B1	B2
CORE & COIL HID HPS BAL 100W S54 220V C&C	3.3 in	2 in	3.9 in	3.5 in	2.8 in	2.4 in
CORE & COIL HID HPS BAL 150W S55 QUAD KIT	4.2 in	2.5 in	3.9 in	3.5 in	2.8 in	2.4 in
CORE & COIL HID HPS BAL 100W S54 QUAD KIT	3.45 in	2 in	3.9 in	3.5 in	2.8 in	2.4 in
CORE & COIL HID HPS BAL 150W S56 480V C&C KIT	3.8 in	2.5 in	3.9 in	3.5 in	2.8 in	2.4 in
CORE & COIL HID HPS BAL 150W S55 480V KIT	4.3 in	3 in	3.9 in	3.5 in	2.8 in	2.4 in
CORE & COIL HID HPS BAL 100W S54 480V KIT	3.6 in	2.25 in	3.9 in	3.5 in	2.8 in	2.4 in
CORE & COIL HID HPS BAL 70W S62 480V C&C	3.2 in	1.85 in	3.9 in	3.5 in	2.8 in	2.4 in
CORE & COIL HID HPS BAL 50W S68 120/277V KIT	2.2 in	1 in	3.9 in	3.5 in	2.8 in	2.4 in
CORE & COIL HID HPS BAL 150W S55 120/277/347V KIT	3.8 in	2.6 in	3.9 in	3.5 in	2.8 in	2.4 in
CORE & COIL HID HPS BAL 100W S54 120/277/347V KIT	3.6 in	2.25 in	3.9 in	3.5 in	2.8 in	2.4 in
CORE & COIL HID HPS BAL 70W S62 120/277/347V KIT	3.1 in	1.5 in	3.9 in	3.5 in	2.8 in	2.4 in
CORE & COIL HID HPS BAL 70W S62 230V C&C	3 in	1.6 in	3.9 in	3.5 in	2.8 in	2.4 in
CORE & COIL HID HPS BAL 100W S54 230V C&C	3.3 in	2 in	3.9 in	3.5 in	2.8 in	2.4 in
CORE & COIL HID HPS BAL 50W S68 QUAD KIT	2.2 in	1 in	3.9 in	3.5 in	2.8 in	2.4 in
CORE & COIL HID HPS BAL 150W S55 QUAD C&C	4.2 in	2.5 in	3.9 in	3.5 in	2.8 in	2.4 in
CORE & COIL HID HPS BAL 100W S54 QUAD C&C	3.45 in	2 in	3.9 in	3.5 in	2.8 in	2.4 in
CORE & COIL HID HPS BAL 150W S55 QUAD KIT	4.2 in	2.5 in	3.9 in	3.5 in	2.8 in	2.4 in
CORE & COIL HID HPS BAL 70W S62 QUAD KIT	2.9 in	1.52 in	3.9 in	3.5 in	2.8 in	2.4 in
CORE & COIL HID HPS BAL 150W S55 120/220/240V 50HZ C&C	4.2 in	2.95 in	3.9 in	3.5 in	2.8 in	2.4 in
CORE & COIL HID HPS BAL 70W S62 QUAD C&C	2.9 in	1.52 in	3.9 in	3.5 in	2.8 in	2.4 in
CORE & COIL HID HPS BAL 150W S55 120/277/347V C&C	3.8 in	2.6 in	3.9 in	3.5 in	2.8 in	2.4 in
CORE & COIL HID HPS BAL 150W S55 QUAD C&C	4.20 in	2.50 in				
CORE & COIL HID HPS BAL 150W S55 QUAD C&C	4.2 in	2.5 in	3.9 in	3.5 in	2.8 in	2.4 in
CORE & COIL HID HPS BAL 100W S54 120/220/240/V 50HZ C&C	3.70 in	2.40 in	3.9 in	3.5 in	2.8 in	2.4 in
CORE & COIL HID HPS BAL 100W S54 120/277/347V C&C	3.6 in	2.25 in	3.9 in	3.5 in	2.8 in	2.4 in

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

### Dimensional drawing

Product	C1	C2	A1	A2	B1	B2
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 70W S62 120/220/240V 50HZ C&C	3.1 in	1.85 in	3.9 in	3.5 in	2.8 in	2.4 in
CORE & COIL HID HPS BAL 70W S62 127/220V C&C	3.36 in	1.75 in	3.9 in	3.5 in	2.8 in	2.4 in
CORE & COIL HID HPS BAL 100W S54 220/240V C&C	4.44 in	2.82 in	3.9 in	3.5 in	2.8 in	2.4 in
CORE & COIL HID HPS BAL 150W S55 120/220/240/277V C&C	3.8 in	2.5 in	3.9 in	3.5 in	2.8 in	2.4 in

#### General Information

Number Of Lamps	1 piece/unit
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### Operating and Electrical

Order Code	Full Product Name	Input	
		Frequency	Input Voltage
71A81N2500D	CORE & COIL HID HPS BAL 150W S55 120/220/240V 50HZ C&C	50 Hz	120/220/240 V
71A7807001DB	CORE & COIL HID HPS BAL 50W S68 120V KIT	60 Hz	120 V
71A7907001DB	CORE & COIL HID HPS BAL 70W S62 120V KIT	60 Hz	120 V
71A8107001DB	CORE & COIL HID HPS BAL 150W S55 120V KIT	60 Hz	120 V
71A7971001D	CORE & COIL HID HPS BAL 70W S62 QUAD KIT	60 Hz	120/208/240/277 V
71A8007001DB	CORE & COIL HID HPS BAL 100W S54 120V KIT	60 Hz	120 V
71A7907600B	CORE & COIL HID HPS BAL 70W S62 120V C&C	60 Hz	120 V
71A8107600B	CORE & COIL HID HPS BAL 150W S55 120V C&C	60 Hz	120 V
71A8192001DC	CORE & COIL HID HPS BAL 150W S55 QUAD KIT	60 Hz	120/208/240/277 V
71A79N1500D	CORE & COIL HID HPS BAL 70W S62 120/220/240V 50HZ C&C	50 Hz	120/220/240 V
71A80A1500D	CORE & COIL HID HPS BAL 100W S54 120/277/347V C&C	60 Hz	120/277/347 V
71A80N1500D	CORE & COIL HID HPS BAL 100W S54 120/220/240/V 50HZ C&C	50 Hz	120/220/240 V
71A8192510D	CORE & COIL HID HPS BAL 150W S55 QUAD C&C	60 Hz	120/208/240/277 V
71A8192620	CORE & COIL HID HPS BAL 150W S55 QUAD C&C	60 Hz	120/208/240/277 V

Order Code	Full Product Name	Input	
		Frequency	Input Voltage
71A81A2500D	CORE & COIL HID HPS BAL 150W S55 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
71A7907500D	CORE & COIL HID HPS BAL 70W S62 120V C&C	60 Hz	120 V
71A79A1001D	CORE & COIL HID HPS BAL 70W S62 120/277/347V KIT	60 Hz	120/277/347 V
71A80A1001D	CORE & COIL HID HPS BAL 100W S54 120/277/347V KIT	60 Hz	120/277/347 V
71A8007500D	CORE & COIL HID HPS BAL 100W S54 120V C&C	60 Hz	120 V
71A8107500D	CORE & COIL HID HPS BAL 150W S55 120V C&C	60 Hz	120 V
71A8107500DB	CORE & COIL HID HPS BAL 150W S55 120V C&C	60 Hz	120 V
71A81A2001D	CORE & COIL HID HPS BAL 150W S55 120/277/347V KIT	60 Hz	120/277/347 V
71A7801001D	CORE & COIL HID HPS BAL 50W S68 120/277V KIT	60 Hz	120/277 V
71A7941500D	CORE & COIL HID HPS BAL 70W S62 480V C&C	60 Hz	480 V
71A8041001D	CORE & COIL HID HPS BAL 100W S54 480V KIT	60 Hz	480 V
71A8142001D	CORE & COIL HID HPS BAL 150W S55 480V KIT	60 Hz	480 V
71A8146001D	CORE & COIL HID HPS BAL 150W S56 480V C&C KIT	60 Hz	480 V

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

Order Code	Full Product Name	Input	
		Frequency	Input Voltage
71A8071001D	CORE & COIL HID HPS BAL 100W S54 QUAD KIT	60 Hz	120/208/240/277 V
71A8172001D	CORE & COIL HID HPS BAL 150W S55 QUAD KIT	60 Hz	120/208/240/277 V
71A7991500D	CORE & COIL HID HPS BAL 70W S62 QUAD C&C	60 Hz	120/208/240/277 V
71A8091500D	CORE & COIL HID HPS BAL 100W S54 QUAD C&C	60 Hz	120/208/240/277 V
71A8192500D	CORE & COIL HID HPS BAL 150W S55 QUAD C&C	60 Hz	120/208/240/277 V
71A7891001D	CORE & COIL HID HPS BAL 50W S68 QUAD KIT	60 Hz	120/208/240/277 V
71A9917500DML	CORE & COIL HID HPS BAL 100W (EURO LAMP) 220/240V C&C	60 Hz	220/240 V
71A9918500DML	CORE & COIL HID HPS BAL 150W (EURO LAMP) 220/240V C&C	60 Hz	220/240 V

Order Code	Full Product Name	Input	
		Frequency	Input Voltage
71A80J3500D	CORE & COIL HID HPS BAL 100W S54 230V C&C	60 Hz	230 V
71A79J3500D	CORE & COIL HID HPS BAL 70W S62 230V C&C	60 Hz	230 V
71A80J1600	CORE & COIL HID HPS BAL 100W S54 220V C&C	60 Hz	220 V
71A7907510DB	CORE & COIL HID HPS BAL 70W S62 120V C&C	60 Hz	120 V
71A9936500DML	CORE & COIL HID HPS BAL 150W S55 120/220/240/277V C&C	60 Hz	120/220/240/277 V
71A7707001DB	CORE & COIL HID HPS BAL 35W S76 120V KIT	60 Hz	120 V
71A80J9500DML	CORE & COIL HID HPS BAL 100W S54 220/240V C&C	60 Hz	220/240 V
71A79H8500DMLA	CORE & COIL HID HPS BAL 70W S62 127/220V C&C	60 Hz	127/220 V

### General Information

Order Code	Full Product Name	Capacitor Value	Lamp Type
71A81N2500D	CORE & COIL HID HPS BAL 150W S55 120/220/240V 50HZ C&C	17.5 MFD	150W HPS
71A7807001DB	CORE & COIL HID HPS BAL 50W S68 120V KIT	20 MFD	50W HPS
71A7907001DB	CORE & COIL HID HPS BAL 70W S62 120V KIT	28 MFD	70W HPS
71A8107001DB	CORE & COIL HID HPS BAL 150W S55 120V KIT	55 MFD	150W HPS
71A7971001D	CORE & COIL HID HPS BAL 70W S62 QUAD KIT	7 MFD	70W HPS
71A8007001DB	CORE & COIL HID HPS BAL 100W S54 120V KIT	36 MFD	100W HPS
71A7907600B	CORE & COIL HID HPS BAL 70W S62 120V C&C	NA	70W HPS
71A8107600B	CORE & COIL HID HPS BAL 150W S55 120V C&C	NA	150W HPS
71A8192001DC	CORE & COIL HID HPS BAL 150W S55 QUAD KIT	14 MFD	150W HPS
71A79N1500D	CORE & COIL HID HPS BAL 70W S62 120/220/240V 50HZ C&C	8.4 MFD	70W HPS
71A80A1500D	CORE & COIL HID HPS BAL 100W S54 120/277/347V C&C	10 MFD	100W HPS
71A80N1500D	CORE & COIL HID HPS BAL 100W S54 120/220/240/V 50HZ C&C	12 MFD	100W HPS
71A8192510D	CORE & COIL HID HPS BAL 150W S55 QUAD C&C	14 MFD	150W HPS
71A8192620	CORE & COIL HID HPS BAL 150W S55 QUAD C&C	14 MFD	150W HPS

Order Code	Full Product Name	Capacitor Value	Lamp Type
71A81A2500D	CORE & COIL HID HPS BAL 150W S55 120/277/347V C&C	14 MFD	150W HPS
71A84N3500D	CORE & COIL HID HPS BAL 400W S51 120/220-240V 50HZ C&C	64 MFD	400W HPS
71A7907500D	CORE & COIL HID HPS BAL 70W S62 120V C&C	28 MFD	70W HPS
71A79A1001D	CORE & COIL HID HPS BAL 70W S62 120/277/347V KIT	7 MFD	70W HPS
71A80A1001D	CORE & COIL HID HPS BAL 100W S54 120/277/347V KIT	10 MFD	100W HPS
71A8007500D	CORE & COIL HID HPS BAL 100W S54 120V C&C	36 MFD	100W HPS
71A8107500D	CORE & COIL HID HPS BAL 150W S55 120V C&C	55 MFD	150W HPS
71A8107500DB	CORE & COIL HID HPS BAL 150W S55 120V C&C	55 MFD	150W HPS
71A81A2001D	CORE & COIL HID HPS BAL 150W S55 120/277/347V KIT	14 MFD	150W HPS
71A7801001D	CORE & COIL HID HPS BAL 50W S68 120/277V KIT	5 MFD	50W HPS
71A7941500D	CORE & COIL HID HPS BAL 70W S62 480V C&C	7 MFD	70W HPS
71A8041001D	CORE & COIL HID HPS BAL 100W S54 480V KIT	10 MFD	100W HPS
71A8142001D	CORE & COIL HID HPS BAL 150W S55 480V KIT	14 MFD	150W HPS
71A8146001D	CORE & COIL HID HPS BAL 150W S56 480V C&C KIT	20 MFD	150W HPS

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

Order Code	Full Product Name	Capacitor Value	Lamp Type
71A8071001D	CORE & COIL HID HPS BAL 100W S54 QUAD KIT	10 MFD	100W HPS
71A8172001D	CORE & COIL HID HPS BAL 150W S55 QUAD KIT	14 MFD	150W HPS
71A7991500D	CORE & COIL HID HPS BAL 70W S62 QUAD C&C	7 MFD	70W HPS
71A8091500D	CORE & COIL HID HPS BAL 100W S54 QUAD C&C	10 MFD	100W HPS
71A8192500D	CORE & COIL HID HPS BAL 150W S55 QUAD C&C	14 MFD	150W HPS
71A7891001D	CORE & COIL HID HPS BAL 50W S68 QUAD KIT	5 MFD	50W HPS
71A9917500DML	CORE & COIL HID HPS BAL 100W (EURO LAMP) 220/240V C&C	12 MFD	100W HPS
71A9918500DML	CORE & COIL HID HPS BAL 150W (EURO LAMP) 220/240V C&C	17 MFD	150W HPS

### Mechanical and Housing

Order Code	Full Product Name	Housing
71A81N2500D	CORE & COIL HID HPS BAL 150W S55 120/220/240V 50HZ C&C	-
71A7807001DB	CORE & COIL HID HPS BAL 50W S68 120V KIT	-
71A7907001DB	CORE & COIL HID HPS BAL 70W S62 120V KIT	-
71A8107001DB	CORE & COIL HID HPS BAL 150W S55 120V KIT	-
71A7971001D	CORE & COIL HID HPS BAL 70W S62 QUAD KIT	-
71A8007001DB	CORE & COIL HID HPS BAL 100W S54 120V KIT	-
71A7907600B	CORE & COIL HID HPS BAL 70W S62 120V C&C	-
71A8107600B	CORE & COIL HID HPS BAL 150W S55 120V C&C	-
71A8192001DC	CORE & COIL HID HPS BAL 150W S55 QUAD KIT	-
71A79N1500D	CORE & COIL HID HPS BAL 70W S62 120/220/240V 50HZ C&C	-
71A80A1500D	CORE & COIL HID HPS BAL 100W S54 120/277/347V C&C	-
71A80N1500D	CORE & COIL HID HPS BAL 100W S54 120/220/240/V 50HZ C&C	-
71A8192510D	CORE & COIL HID HPS BAL 150W S55 QUAD C&C	-
71A8192620	CORE & COIL HID HPS BAL 150W S55 QUAD C&C	NA
71A81A2500D	CORE & COIL HID HPS BAL 150W S55 120/277/347V C&C	-
71A84N3500D	CORE & COIL HID HPS BAL 400W S51 120/220-240V 50HZ C&C	-
71A7907500D	CORE & COIL HID HPS BAL 70W S62 120V C&C	-
71A79A1001D	CORE & COIL HID HPS BAL 70W S62 120/277/347V KIT	-
71A80A1001D	CORE & COIL HID HPS BAL 100W S54 120/277/347V KIT	-
71A8007500D	CORE & COIL HID HPS BAL 100W S54 120V C&C	-
71A8107500D	CORE & COIL HID HPS BAL 150W S55 120V C&C	-
71A8107500DB	CORE & COIL HID HPS BAL 150W S55 120V C&C	-

Order Code	Full Product Name	Capacitor Value	Lamp Type
71A80J3500D	CORE & COIL HID HPS BAL 100W S54 230V C&C	34 MFD	100W HPS
71A79J3500D	CORE & COIL HID HPS BAL 70W S62 230V C&C	28 MFD	70W HPS
71A80J1600	CORE & COIL HID HPS BAL 100W S54 220V C&C	10 MFD	100W HPS
71A7907510DB	CORE & COIL HID HPS BAL 70W S62 120V C&C	28 MFD	70W HPS
71A9936500DML	CORE & COIL HID HPS BAL 150W S55 120/220/240/277V C&C	14 MFD	150W HPS
71A7707001DB	CORE & COIL HID HPS BAL 35W S76 120V KIT	14 MFD	35W HPS
71A80J9500DML	CORE & COIL HID HPS BAL 100W S54 220/240V C&C	36 MFD	100W HPS
71A79H8500DMLA	CORE & COIL HID HPS BAL 70W S62 127/220V C&C	32.5 MFD	70W HPS

Order Code	Full Product Name	Housing
71A81A2001D	CORE & COIL HID HPS BAL 150W S55 120/277/347V KIT	-
71A7801001D	CORE & COIL HID HPS BAL 50W S68 120/277V KIT	-
71A7941500D	CORE & COIL HID HPS BAL 70W S62 480V C&C	-
71A8041001D	CORE & COIL HID HPS BAL 100W S54 480V KIT	-
71A8142001D	CORE & COIL HID HPS BAL 150W S55 480V KIT	-
71A8146001D	CORE & COIL HID HPS BAL 150W S56 480V C&C KIT	-
71A8071001D	CORE & COIL HID HPS BAL 100W S54 QUAD KIT	-
71A8172001D	CORE & COIL HID HPS BAL 150W S55 QUAD KIT	-
71A7991500D	CORE & COIL HID HPS BAL 70W S62 QUAD C&C	-
71A8091500D	CORE & COIL HID HPS BAL 100W S54 QUAD C&C	-
71A8192500D	CORE & COIL HID HPS BAL 150W S55 QUAD C&C	-
71A7891001D	CORE & COIL HID HPS BAL 50W S68 QUAD KIT	-
71A9917500DML	CORE & COIL HID HPS BAL 100W (EURO LAMP) 220/240V C&C	-
71A9918500DML	CORE & COIL HID HPS BAL 150W (EURO LAMP) 220/240V C&C	-
71A80J3500D	CORE & COIL HID HPS BAL 100W S54 230V C&C	-
71A79J3500D	CORE & COIL HID HPS BAL 70W S62 230V C&C	-
71A80J1600	CORE & COIL HID HPS BAL 100W S54 220V C&C	-
71A7907510DB	CORE & COIL HID HPS BAL 70W S62 120V C&C	-
71A9936500DML	CORE & COIL HID HPS BAL 150W S55 120/220/240/277V C&C	-
71A7707001DB	CORE & COIL HID HPS BAL 35W S76 120V KIT	-
71A80J9500DML	CORE & COIL HID HPS BAL 100W S54 220/240V C&C	-
71A79H8500DMLA	CORE & COIL HID HPS BAL 70W S62 127/220V C&C	-

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

