

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

## CORE & COIL HID 71A8251001D

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	71A8251
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	120/208/240/277/480 V

Input Frequency	60 Hz
Input Current (Open Circuit)	1.82/1.1/0.92/0.83/0.45 A
Input Current (Starting)	1.32/0.82/0.66/0.56/0.32 A
Input Current (Short Circuit)	0.81-1.22/0.44-0.66/0.39-0.58/0.32-0.49/0.2-0.3 A
Secondary Short Circuit Current	3.69-4.51 A
Constant Wattage Deviation	Within Trapezoid
Ballast Factor (Nom)	1
Power Factor (Nom)	0.90
Open Circuit Voltage	188 V
Input Current (Nom)	2.66/1.54/1.32/1.16/0.66 A A
Input Power (Nom)	300 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 Wiring	2'
Recommended Fuse Value	7/4/4/3/2 A

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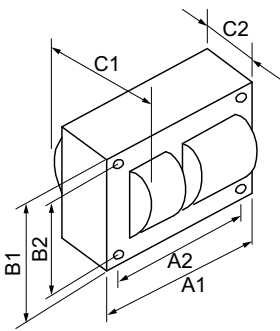
### Approval and Application

Open Circuit Voltage Test (Volts)	169-207 V
Approval Marks	ULR CSA certificate RoHS Compliant
Temperature Marking	C/C/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	1029C

### Product Data

Order product name	CORE & COIL HID 71A8251001D
EAN/UPC - Product	781087114193
Order code	913710414701
Numerator - Quantity Per Pack	1
Numerator - Packs per outer box	1
Material Nr. (12NC)	913710414701
Net Weight (Piece)	5.612 kg

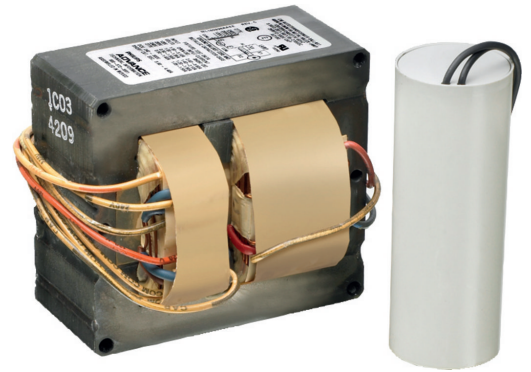
### Dimensional drawing



HPS BAL 250W S50 5-TAP KIT

Product	C1	C2	A1	A2	B1	B2
CORE & COIL HID 71A8251001D	3.6 in	2 in	4.8 in	4.4 in	4.3 in	3.9 in





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Base Model	71A8251	Constant Wattage Deviation	Within Trapezoid
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Suitable For Outdoor Use	Yes	Power Factor (Nom)	0.90
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Capacitor Catalog Number	7C350P24RA	Rated Lamp Power	250 W
Capacitor Requirements	240V	<b>Wiring</b>	
Capacitor Temperature Rating	105°C	Wire Striplength	0.5 mm
Capacitor Diameter/Oval Dimensions	1.65 in	Wire Length by Color	12"
Capacitor Height	3.7 in	Wire Type	Stranded
Automatic Restart	No	Remote Wiring Configuration Allowed	Yes
<b>Operating and Electrical</b>		Max Ballast-Lamp Distance Remote Wiring	2'
Input Voltage	120/208/240/277/480 V	Recommended Fuse Value	7/4/4/3/2 A

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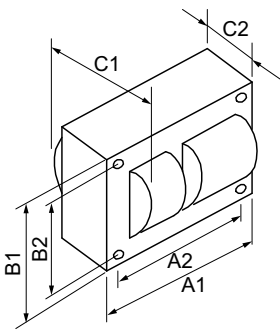
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