



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

**CORE & COIL HID HPS BAL 50W S68 120/277V  
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	S68
Lamp Type	50W HPS
Number of Lamps	1 piece/unit
Circuit Type	HX-HPF
Ballast Type	Magnetic HID
Base Model	71A7801
Core Size	3 X 4 (2 coil)
Suitable For Outdoor Use	Yes
Ignitor Catalog Number	LI551-H4
Ignitor Temperature Rating	105°C
Capacitor Value	5 MFD
Capacitor Catalog Number	7C050L30RA
Capacitor Requirements	280V
Capacitor Temperature Rating	105°C
Capacitor Diameter/Oval Dimensions	1.25 in
Capacitor Height	2.25 in
Automatic Restart	No

Operating and Electrical	
Input Voltage	120/277 V
Input Frequency	60 Hz
Inp. Current (Open Circuit)	1/0.45 A
Input Current (Starting)	0.65/0.3 A
Input Current (Short Circuit)	0.6-0.8/0.25-0.35 A
Secondary Short Circuit Current	1.3-1.9 A
Constant Wattage Deviation	Within Trapezoid
Ballast Factor (Nom)	1
Power Factor (Nom)	0.90
Nominal Open Circuit Voltage	125 V
Input Current (Operating) (Nom)	0.61/0.26 A A
Input Power (Nom)	66 W
Rated Lamp Watts	50 W
Wiring	
Wire Striplength	0.5 mm
Wire Length by Color	12"
Wire Type	Stranded
Remote Wiring Configuration Allowed	Yes

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

Max Ballast-Lamp Distance Remote Wiring 2'	
Recommended Fuse Value	3/1 A
<b>Approval and Application</b>	
Open Circuit Voltage Test (Volts)	115-135 V
Approbation Marks	ULR CSA certificate RoHS Compliant
Temperature Marking	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

<b>Product Data</b>	
Order product name	CORE & COIL HID HPS BAL 50W S68 120/277V C&C
EAN/UPC - Product	781087780152
Order code	71A7801500D
Numerator - Quantity Per Pack	1
Numerator - Packs per outer box	6
Material Nr. (12NC)	913700575409
Net Weight (Piece)	1.742 kg

### Dimensional drawing



HPS BAL 50W S68 120/277V C&C

Product	C1	C2	A1	A2	B1	B2
CORE & COIL HID 71A7801500D	2.2 in	1 in	3.9 in	3.5 in	2.8 in	2.4 in

