



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

## CORE & COIL HID 71A8271001D

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	71A8271
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 V

Input Frequency	60 Hz
Input Current (Open Circuit)	1.53/0.95/0.77/0.63 A
Input Current (Starting)	1.61/0.89/0.8/0.68 A
Input Current (Short Circuit)	1.16-1.74/0.64-0.96/0.56-0.85/0.49-0.74 A
Secondary Short Circuit Current	3.65-4.45 A
Constant Wattage Deviation	Within Trapezoid
Ballast Factor (Nom)	1
Power Factor (Nom)	0.90
Open Circuit Voltage	187 V
Input Current (Nom)	2.5/1.47/1.25/1.09 A A
Input Power (Nom)	295 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 A

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### Approval and Application

Open Circuit Voltage Test (Volts)	170-205 V
Approval Marks	ULR CSA certificate RoHS Compliant
Temperature Marking	B/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	1029B

### Product Data

Order product name	CORE & COIL HID 71A8271001D
EAN/UPC - Product	781087827116
Order code	913700556609
Numerator - Quantity Per Pack	1
Numerator - Packs per outer box	1
Material Nr. (12NC)	913700556609
Net Weight (Piece)	5.176 kg

### Dimensional drawing



HPS BAL 250W S50 QUAD C&C

Product	C1	C2	A1	A2	B1	B2
CORE & COIL HID 71A8271001D	3.82 in	1.8 in	4.8 in	4.4 in	4.3 in	3.9 in





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