



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

## CORE & COIL HID 71A8453001D

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	S51-M169				
Lamp Type	400W HPS				
Number of Lamps	1 piece/unit				
Circuit Type	CWA				
Ballast Type	Magnetic HID				
Base Model	71A8453				
Core Size	4 x 4 (2 coil)				
Suitable For Outdoor Use	Yes				
Ignitor Catalog Number	LI501-H4				
Ignitor Temperature Rating	105°C				
Capacitor Value	55 MFD				
Capacitor Catalog Number	7C550P24RA				
Capacitor Requirements	240V				
Capacitor Temperature Rating	105°C				
Capacitor Diameter/Oval Dimensions	1.85 in				
Capacitor Height	3.70 in				
Automatic Restart	No				
Operating and Electrical					
Input Voltage	120/208/240/277/480 V				

Input Frequency	60 Hz				
Input Current (Open Circuit)	1.73/1.0/0.89/0.73/0.41 A				
Input Current (Starting)	2.91/1.67/1.42/1.26/0.72 A				
Input Current (Short Circuit)	2.48-3.72/1.4-2.1/1.24-1.86/1.07-1.61/0.62-0.94				
Secondary Short Circuit Current	6.0-7.4 A				
Constant Wattage Deviation	Within Trapezoid				
Ballast Factor (Nom)	1				
Power Factor (Nom)	0.90				
Open Circuit Voltage	190 V				
Input Current (Nom)	3.85/2.2/1.95/1.75/0.95 A A				
Input Power (Nom)	460 W				
Rated Lamp Power	400 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	10/6/5/5/3 A				

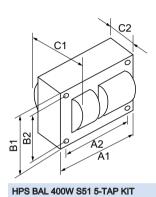
Datasheet, 2018, November 8 data subject to change

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

Approval and Application					
Open Circuit Voltage Test (Volts)	176-214 V				
Approval Marks	ULR CSA certificate RoHS Compliant				
Temperature Marking	C/C/D/D/C				
JL Recognized	Yes				
Hipot Test (1 Minute)	2000 V				
Hipot Test (2 Seconds)	2500 V				
UL Insulation Class	H(180°C)				
UL Temperature Code	1029D				

Product Data				
Order product name	CORE & COIL HID 71A8453001D			
EAN/UPC - Product	781087111819			
Order code	913710414801			
Numerator - Quantity Per Pack	1			
Numerator - Packs per outer box	1			
Material Nr. (12NC)	913710414801			
Net Weight (Piece)	7.743 kg			

### **Dimensional drawing**



Product	C1	C2	A1	A2	B1	B2
CORE & COIL HID 71A8453001D	4.84 in	2.65 in	4.8 in	4.4 in	4.3 in	3.9 in

