



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

## CORE & COIL HID HPS BAL 400W S51 QUAD 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	S51-M169			
Lamp Type	400W HPS			
Number of Lamps	1 piece/unit			
Circuit Type	CWA			
Ballast Type	Magnetic HID			
Base Model	71A8493A			
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 V			

Input Frequency	60 Hz			
Input Current (Open Circuit)	2/1.2/0.95/0.85 A			
Input Current (Starting)	3.3/1.8/1.5/1.4 A			
Input Current (Short Circuit)	2.4-3.6/1.4-2.1/1.2-1.8/1-1.55 A			
Secondary Short Circuit Current	6-7.4 A			
Constant Wattage Deviation	Within Trapezoid			
Ballast Factor (Nom)	1			
Power Factor (Nom)	0.90			
Open Circuit Voltage	190 V			
Input Current (Nom)	3.8/2.2/1.9/1.7 A A			
Input Power (Nom)	464 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	2'			
Wiring				

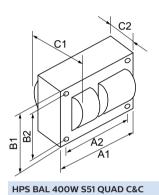
Datasheet, 2019, March 22 data subject to change

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Recommended Fuse Value	10/8/5/5 A				
Approval and Application					
Open Circuit Voltage Test (Volts)	170-210 V				
Approval Marks	ULR CSA certificate RoHS Compliant				
Temperature Marking	D/D/D/D				
UL 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 HPS BAL 400W S51 QUAI				
	C&C				
EAN/UPC - Product	781087121184				
Order code	491902				
Local order code	491902				
Numerator - Quantity Per Pack	1				
Numerator - Packs per outer box	3				
Material Nr. (12NC)	913710551202				
Net Weight (Piece)	6.564 kg				

### Dimensional drawing



Product	C1	C2	A1	A2	B1	B2
CORE & COIL HID HPS BAL 400W S51	4.30 in	2.65 in	4.8 in	4.4 in	4.3 in	3.9 in
QUAD C&C						



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