



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	71A8493				
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					

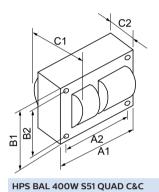
Datasheet, 2019, March 22 data subject to change

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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 QUAD
	C&C
EAN/UPC - Product	781087849354
Order code	180430
Local order code	180430
Numerator - Quantity Per Pack	1
Numerator - Packs per outer box	4
Material Nr. (12NC)	913700505871
Net Weight (Piece)	6.029 kg

Dimensional drawing



Product	C1	C2	A1	A2	B1	B2
CORE & COIL HID HPS BAL 400W S51	4 in	2.09 in	4.8 in	4.4 in	4.3 in	3.9 in
QUAD C&C						



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