PHILIPS Lighting



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

CORE & COIL HID HPS BAL 400W S51 5-TAP 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	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

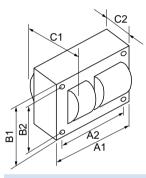
Input Frequency	60 Hz
Inp. Current (Open Circuit)	1.73/1.0/0.89/0.73/0.41 A
Input Current (Starting)	2.91/1.67/1.42/1.26/0.72 A
Input Current (Short Circuit)	2.48-3.72/1.4-2.1/1.24-1.86/1.07-1.61/0.62-0.94 A
Secondary Short Circuit Current	6.0-7.4 A
Constant Wattage Deviation	Within Trapezoid
Ballast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

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Recommended Fuse Value	10/6/5/5/3 A				
Approval and Application					
Open Circuit Voltage Test (Volts)	176-214 V				
Approbation Marks	ULR CSA certificate RoHS Compliant				
Temperature Marking	C/C/D/D/C				
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 5-TAP C&					
EAN/UPC - Product	781087116180					
Order code	71A8453500D					
Numerator - Quantity Per Pack	1					
Numerator - Packs per outer box	3					
Material Nr. (12NC)	913710414802					
Net Weight (Piece)	7.263 kg					

Dimensional drawing



HPS BAL 400W S51 5-TAP C&C

Product	C1	C2	A1	A2	B1	B2
CORE & COIL HID HPS BAL 400W S51	4.84 in	2.65 in	4.8 in	4.4 in	4.3 in	3.9 in
5-TAP C&C						



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www.lighting.philips.com 2019, March 22 - data subject to change