PHILIPS Lighting



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

CORE & COIL HID HPS BAL 400W S51 480V/120T 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 1 piece/unit CWA Magnetic HID 71A8443T				
Number of Lamps					
Circuit Type					
Ballast Type					
Base Model					
Core Size	4 x 4 (2 coil)				
Suitable For Outdoor Use	Yes				
Ignitor Catalog Number	LI501-H4 105°C 55 MFD				
Ignitor Temperature Rating					
Capacitor Value					
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				

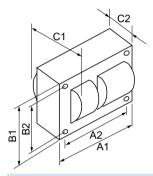
Operating and Electrical						
Input Voltage	480/120T V					
Input Frequency	60 Hz					
Inp. Current (Open Circuit)	0.55 A					
Input Current (Starting)	0.75 A					
Input Current (Short Circuit)	0.5-0.8 A					
Secondary Short Circuit Current	6-7.4 A					
Constant Wattage Deviation	Within Trapezoid					
Ballast Factor (Nom)	1					
Power Factor (Nom)	0.90					
Nominal Open Circuit Voltage	190 V					
Input Current (Operating) (Nom)	0.97 A A					
Input Power (Nom)	464 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					

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Max Ballast-Lamp Distance Remote W	/iring 2'
Recommended Fuse Value	3 A
Approval and Application	
Open Circuit Voltage Test (Volts)	170-210 V
Approbation Marks	ULR CSA certificate RoHS Compliant
Temperature Marking	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				
	480V/120T C&C				
EAN/UPC - Product	781087036136				
Order code	71A8443500DT				
Numerator - Quantity Per Pack	1				
Numerator - Packs per outer box	3				
Material Nr. (12NC)	913700505821				
Net Weight (Piece)	6.473 kg				

Dimensional drawing



HPS BAL 400W S51 480V/120T C&C

Product	C1	C2	A1	A2	B1	B2
CORE & COIL HID HPS BAL 400W S51	4 in	2.30 in	4.8 in	4.4 in	4.3 in	3.9 in
480V/120T C&C						



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