PHILIPS Lighting



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

CORE & COIL HID HPS BAL 400W S51 120/277/347V 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	71A84A3			
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			

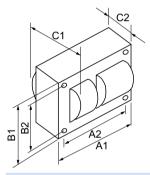
Operating and Electrical				
Input Voltage	120/277/347 V			
Input Frequency	60 Hz			
Input Current (Open Circuit)	2/0.85/0.7 A			
Input Current (Starting)	3.3/1.4/1 A			
Input Current (Short Circuit)	2.4-3.6/1-1.55/0.8-1.2 A			
Secondary Short Circuit Current	6-7.4 A			
Constant Wattage Deviation	Within Trapezoid			
Ballast Factor (Nom)	1			
Power Factor (Nom)	0.90			
Open Circuit Voltage	190 V			
Input Current (Nom)	3.8/1.7/1.32 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			

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Max Ballast-Lamp Distance Remote Wiring 2'					
Recommended Fuse Value	10/5/5 A				
Approval and Application					
Open Circuit Voltage Test (Volts)	170-210 V				
Approval Marks	ULR CSA certificate RoHS Compliant				
Temperature Marking	D/D/D				
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			
	120/277/347V C&C			
EAN/UPC - Product	781087034323			
Order code	913700505891			
Numerator - Quantity Per Pack	1			
Numerator - Packs per outer box	4			
Material Nr. (12NC)	913700505891			
Net Weight (Piece)	6.532 kg			

Dimensional drawing



HPS BAL 400W S51 120/277/347V C&C

Product	C1	C2	A1	A2	B1	B2
CORE & COIL HID HPS BAL 400W S51	4.10 in	2.30 in	4.8 in	4.4 in	4.3 in	3.9 in
120/277/347V C&C						



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