



Core & Coil (71A) HPS ~LT~ 200W

CORE & COIL HID HPS BAL 50W S68 120V 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	S68				
Lamp Type	50W HPS				
Number of Lamps	1 piece/unit				
Circuit Type	R-NPF				
Ballast Type	Magnetic HID				
Base Model	71A7807B_NPF				
Core Size	2 5/8 x 2 3/16				
Suitable For Outdoor Use	Yes				
Ignitor Catalog Number	INTEGRAL				
Ignitor Temperature Rating	125°C				
Capacitor Value	NA				
Capacitor Catalog Number	NA				
Capacitor Requirements	NA				
Capacitor Temperature Rating	NA				
Automatic Restart	No				
Operating and Electrical					
Input Voltage	120 V				
Input Frequency	60 Hz				
Input Current (Open Circuit)	0 A				

Input Current (Starting)	1.8 A			
Input Current (Short Circuit)	1.45-2.2 A			
Secondary Short Circuit Current	1.45-2.2 A			
Constant Wattage Deviation	Within Trapezoid			
Ballast Factor (Nom)	1			
Power Factor (Nom)	0.45			
Open Circuit Voltage	120 V			
Input Current (Nom)	1.18 A A			
Input Power (Nom)	62 W			
Rated Lamp Power	50 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 Wiring 2'				
Recommended Fuse Value	5 A			
Approval and Application				
Open Circuit Voltage Test (Volts)	114-126 V			

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Approval Marks	ULR CSA certificate RoHS Compliant			
Temperature Marking	A			
UL Recognized	Yes			
Hipot Test (1 Minute)	2000 V			
Hipot Test (2 Seconds)	2500 V			
UL Insulation Class	H(180°C)			
UL Temperature Code	1029A			
Product Data				
Order product name	CORE & COIL HID HPS BAL 50W S68 120V			
	C&C			

EAN/UPC - Product	781087023884
Order code	913700504471
Numerator - Quantity Per Pack	1
Numerator - Packs per outer box	16
Material Nr. (12NC)	913700504471
Net Weight (Piece)	0.667 kg

Dimensional drawing

	P		C2
B1 B2		A2	6

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CORE & COIL HID 71A7807610B 2.70 in 0.95 in 2.6 in 2.2 in 2.2 in 1.8 in	1	Product	C1	C2	A1	A2	B1	B2	
	(CORE & COIL HID 71A7807610B	2.70 in	0.95 in	2.6 in	2.2 in	2.2 in	1.8 in	



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www.lighting.philips.com 2019, February 12 - data subject to change