



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

## CORE & COIL HID HPS BAL 100W S54 120/277/V 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	S54				
Lamp Type	100W HPS				
Number of Lamps	1 piece/unit				
Circuit Type	CWA				
Ballast Type	Magnetic HID				
Base Model	71A8088				
Core Size	3 X 4 (2 coil)				
Suitable For Outdoor Use	Yes				
Ignitor Catalog Number	LI551-J4				
Ignitor Temperature Rating	105°C				
Capacitor Value	34 MFD				
Capacitor Catalog Number	7C340P24RA				
Capacitor Requirements	170V				
Capacitor Temperature Rating	105°C				
Capacitor Diameter/Oval Dimensions	1.65 in				
Capacitor Height	3.7 in				
Automatic Restart	No				

Operating and Electrical					
Input Voltage	120/277 V				
Input Frequency	60 Hz				
Input Current (Open Circuit)	0.65/.25 A				
Input Current (Starting)	0.8/0.35 A				
Input Current (Short Circuit)	0.5-0.8/0.2-0.35 A				
Secondary Short Circuit Current	2.85-3.1 A				
Constant Wattage Deviation	Within Trapezoid				
Ballast Factor (Nom)	1				
Power Factor (Nom)	0.90				
Open Circuit Voltage	115 V				
Input Current (Nom)	1.15/0.5 A A				
Input Power (Nom)	138 W				
Rated Lamp Power	100 W				
Wiring					
Wire Striplength	0.5 mm				
Wire Length by Color	12"				
Wire Type	Stranded				
Remote Wiring Configuration Allowed	Yes				

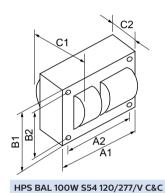
Datasheet, 2019, February 12 data subject to change

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

Max Ballast-Lamp Distance Remote Wiring 5'				
Recommended Fuse Value	3/2 A			
Approval and Application				
Open Circuit Voltage Test (Volts)	105-125 V			
Approval Marks	ULR CSA certificate RoHS Compliant			
Temperature Marking	F/F			
UL Recognized	Yes			
Hipot Test (1 Minute)	2000 V			
Hipot Test (2 Seconds)	2500 V			
UL Insulation Class	H(180°C)			
UL Temperature Code	1029F			

Product Data			
Order product name	CORE & COIL HID HPS BAL 100W S54		
	120/277/V C&C		
EAN/UPC - Product	781087808856		
Order code	913700504871		
Numerator - Quantity Per Pack	1		
Numerator - Packs per outer box	4		
Material Nr. (12NC)	913700504871		
Net Weight (Piece)	3.507 kg		

#### Dimensional drawing



Product	C1	C2	A1	A2	B1	B2
CORE & COIL HID 71A8088500D	3.3 in	2 in	3.9 in	3.5 in	2.8 in	2.4 in



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