



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				
Inp. 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				
Nominal Open Circuit Voltage	115 V				
Input Current (Operating) (Nom)	1.15/0.5 A A				
Input Power (Nom)	138 W				
Rated Lamp Watts	100 W				
Wiring					
Wire Striplength	0.5 mm				
Wire Length by Color	12"				
Wire Type	Stranded				
Remote Wiring Configuration Allowed	Yes				

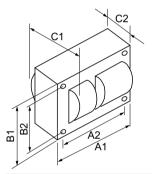
Datasheet, 2019, February 12 data subject to change

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			
Approbation 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	71A8088500D		
Numerator - Quantity Per Pack	1		
Numerator - Packs per outer box	4		
Material Nr. (12NC)	913700504871		
Net Weight (Piece)	3.507 kg		

Dimensional drawing



HPS BAL 100W S54 120/277/V C&C

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

