



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

CORE & COIL HID HPS BAL 100W S54 220/240V 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	71A80J9
Core Size	3 X 4 (2 LW)
Suitable For Outdoor Use	Yes
Ignitor Catalog Number	LI551-J4
Ignitor Temperature Rating	105°C
Capacitor Value	36 MFD
Capacitor Catalog Number	7C360P24RAT1
Capacitor Requirements	180V
Capacitor Temperature Rating	105°C
Capacitor Diameter/Oval Dimensions	1.65 in
Capacitor Height	3.70 in
Automatic Restart	No

Operating and Electrical	
Input Voltage	220/240 V
Input Frequency	60 Hz
Input Current (Open Circuit)	0.36/0.33 A
Input Current (Starting)	0.33/0.3 A
Input Current (Short Circuit)	0.19-0.28/0.17-0.26 A
Secondary Short Circuit Current	2.65-3.25 A
Constant Wattage Deviation	Within Trapezoid
Ballast Factor (Nom)	1
Power Factor (Nom)	0.90
Open Circuit Voltage	114 V
Input Current (Nom)	0.59/0.54 A A
Input Power (Nom)	124 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

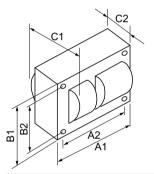
Datasheet, 2019, March 22 data subject to change

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Max Ballast-Lamp Distance Remote Wiring 5'		
Recommended Fuse Value	2/2 A	
Approval and Application		
Open Circuit Voltage Test (Volts)	105-130 V	
Approval Marks	FIDE Certificate NOM certificate RoHS	
	Compliant	
Temperature Marking	A/A	
UL Recognized	No	
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 100W S54
	220/240V C&C
EAN/UPC - Product	781087039342
Order code	913710616202
Numerator - Quantity Per Pack	1
Numerator - Packs per outer box	2
Material Nr. (12NC)	913710616202
Net Weight (Piece)	3.810 kg

Dimensional drawing



HPS BAL 100W S54 220/240V C&C

 Product
 C1
 C2
 A1
 A2
 B1
 B2

 CORE & COIL HID HPS BAL 100W S54
 4.44 in
 2.82 in
 3.9 in
 3.5 in
 2.8 in
 2.4 in

 220/240V C&C



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