PHILIPS Lighting



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

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		Input current (short circuit)
ANSI Code	S50	Secondary short-circuit cur
Lamp type	250W HPS	Constant wattage deviation
Number of lamps	1 piece/unit	Ballast factor (nom.)
Circuit type	CWA	Power factor (nom.)
Ballast type	Magnetic HID	Open circuit voltage
Base model	71A82J3	Input current (nom.)
Core size	4 x 4 (2 coil)	Input power (nom.)
Suitable for outdoor use	Yes	Rated lamp power
Ignitor catalogue number	LI501-H4	
Ignitor temperature rating	105°C	Wiring
Capacitor value	35 MFD	Wire strip length
Capacitor catalogue number	7C350P24RA	Wire length by colour
Capacitor requirements	240V	Wire type
Capacitor temperature rating	105°C	Remote wiring configuration
Capacitor diameter/oval dimensions	1.65 in	Max. ballast-lamp distance
Capacitor height	3.7 in	Recommended fuse value
Automatic restart	No	
		Approval and Application
Operating and Electrical		Open circuit voltage test (vo
Input voltage	230 V	Approval marks
Input frequency	60 Hz	Temperature marking
Input current (open circuit)	0.9 A	UL recognised

0.76 A

Input current (short circuit)	0.5-0.8 A	
Secondary short-circuit current	3.7-4.5 A	
Constant wattage deviation	Within Trapezoid	
Ballast factor (nom.)	1	
Power factor (nom.)	0.90	
Open circuit voltage	188 V	
Input current (nom.)	1.31 A A	
Input power (nom.)	293 W	
Rated lamp power	250 W	
Wiring		
Wire strip length	0.5 mm	
Wire length by colour	12"	
Wire type	Stranded	
Remote wiring configuration allowed	Yes	
Max. ballast-lamp distance remote wiring 5'		
Recommended fuse value	4 A	
Approval and Application		
Open circuit voltage test (volts)	170-205 V	
Approval marks	ULR RoHS Compliant SASO Certificate	
Temperature marking	В	
UL recognised	Yes	
Hipot test (1 minute)	2000 V	

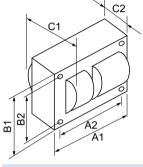
Input current (starting)

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Hipot test (2 seconds)	2500 V
UL insulation class	H(180°C)
UL temperature code	1029B
Product Data	
Order product name	CORE & COIL HID HPS BAL 250W S50 230V
	C&C

EAN/UPC – product	781087129548
Numerator – quantity per pack	1
Numerator – packs per outer box	4
Material no. (12NC)	913701150802
Net weight (piece)	4.976 kg

Dimensional drawing



Product
C1
C2
A1
A2
B1
B2

CORE & COIL HID HPS BAL 250W S50
3.4 in
1.8 in
4.8 in
4.4 in
4.3 in
3.9 in

230V C&C
230V C
2400 C





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