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 ci
ANSI Code	S51-M169	Secondary short-circu
Lamp type	400W HPS	Constant wattage dev
Number of lamps	1 piece/unit	Ballast factor (nom.)
Circuit type	CWA	Power factor (nom.)
Ballast type	Magnetic HID	Open circuit voltage
Base model	71A8443TA	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	55 MFD	Wire strip length
Capacitor catalogue number	7C550P24RA	Wire length by colour
Capacitor requirements	240V	Wire type
Capacitor temperature rating	105°C	Remote wiring configu
Capacitor diameter/oval dimensions	1.85 in	Max. ballast-lamp dis
Capacitor height	3.7 in	Recommended fuse va
Automatic restart	No	
		Approval and Appl

Operating and Electrical Input voltage 480/120T V Input frequency 60 Hz Input current (open circuit) 0.55 A Input current (starting) 0.75 A

Input current (short circuit)	0.5-0.8 A	
Secondary short-circuit current	6-7.4 A	
Constant wattage deviation	Within Trapezoid	
Ballast factor (nom.)	1	
Power factor (nom.)	0.90	
Open circuit voltage	190 V	
Input current (nom.)	0.97 A A	
Input power (nom.)	464 W	
Rated lamp power	400 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 2'		
Recommended fuse value	3 A	
Approval and Application		
Open circuit voltage test (volts)	170-210 V	
Approval marks	ULR CSA certificate RoHS Compliant	
Temperature marking	D	
UL recognised	Yes	
Hipot test (1 minute)	2000 V	

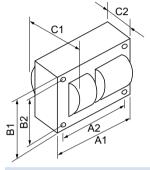
Core & Coil (71A) HPS 200W - 400W

Hipot test (2 seconds)	2500 V	
UL insulation class	H(180°C)	
UL temperature code	1029D	
Product Data		
Order product name	CORE & COIL HID HPS BAL 400W S51 480V/	

120T KIT

EAN/UPC – product	781087844311
Numerator – quantity per pack	1
Numerator – packs per outer box	1
Material no. (12NC)	913700577709
Net weight (piece)	7.562 kg

Dimensional drawing



 Product
 C1
 C2
 A1
 A2
 B1
 B2

 CORE & COIL HID HPS BAL 400W S51
 4.3 in
 2.8 in
 4.8 in
 4.4 in
 4.3 in
 3.9 in

 480V/120T KIT
 4.9 in
 4.9 in
 4.9 in
 4.9 in
 4.9 in
 4.9 in

HPS BAL 400W S51 480V/120T KIT



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