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 cur
ANSI Code	S51-M169	Seconda
Lamp type	400W HPS	Constant
Number of lamps	1 piece/unit	Ballast fa
Circuit type	CWA	Power fa
Ballast type	Magnetic HID	Open cir
Base model	71A8443TA	Input cur
Core size	4 x 4 (2 coil)	Input po
Suitable for outdoor use	Yes	Rated la
Ignitor catalogue number	LI501-H4	
Ignitor temperature rating	105°C	Wiring
Capacitor value	55 MFD	Wire stri
Capacitor catalogue number	7C550P24RA	Wire len
Capacitor requirements	240V	Wire typ
Capacitor temperature rating	105°C	Remote
Capacitor diameter/oval dimensions	1.85 in	Max. bal
Capacitor height	3.7 in	Recomm
Automatic restart	No	
		Approv
Operating and Electrical		Open cire

operating and Electricat		
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

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Hipot test (2 seconds)	2500 V	
UL insulation class	H(180°C)	
UL temperature code	1029D	
Product Data		

CORE & COIL HID 71A8443500DTA

781087067000

Numerator – quantity per pack	1
Numerator – packs per outer box	4
Material no. (12NC)	913710656202
Net weight (piece)	6.900 kg

Dimensional drawing

Order product name

EAN/UPC - product



 Product
 C1
 C2
 A1
 A2
 B1
 B2

 CORE & COIL HID 71A8443500DTA
 4.3 in
 2.8 in
 4.8 in
 4.4 in
 4.3 in
 3.9 in

HPS BAL 400W S51 480V/120T C&C



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www.lighting.philips.com 2019, February 12 - data subject to change