



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

CORE & COIL HID 71A8453001D

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 Frequency	
ANSI Code	S51-M169	Input Current (Open Circuit)	1.73/1.0/0.89/0.73/0.41 A
Lamp Type	400W HPS	Input Current (Starting)	2.91/1.67/1.42/1.26/0.72 A
Number of Lamps	1 piece/unit	Input Current (Short Circuit)	2.48-3.72/1.4-2.1/1.24-1.86/1.07-1.61/0.62-0.94 A
Circuit Type	CWA	Secondary Short Circuit Current	6.0-7.4 A
Ballast Type	Magnetic HID	Constant Wattage Deviation	Within Trapezoid
Base Model	71A8453	Ballast Factor (Nom)	1
Core Size	4 x 4 (2 coil)	Power Factor (Nom)	0.90
Suitable For Outdoor Use	Yes	Open Circuit Voltage	190 V
Ignitor Catalog Number	LI501-H4	Input Current (Nom)	3.85/2.2/1.95/1.75/0.95 A A
Ignitor Temperature Rating	105°C	Input Power (Nom)	460 W
Capacitor Value	55 MFD	Rated Lamp Power	400 W
Capacitor Catalog Number	7C550P24RA		
Capacitor Requirements	240V	Wiring	
Capacitor Temperature Rating	105°C	Wire Striplength	0.5 mm
Capacitor Diameter/Oval Dimensions	1.85 in	Wire Length by Color	12"
Capacitor Height	3.70 in	Wire Type	Stranded
Automatic Restart	No	Remote Wiring Configuration Allowed	Yes
Operating and Electrical		Max Ballast-Lamp Distance Remote Wiring	2'
Input Voltage	120/208/240/277/480 V	Recommended Fuse Value	10/6/5/5/3 A

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Approval and Application

Open Circuit Voltage Test (Volts)	176-214 V
Approval Marks	ULR CSA certificate RoHS Compliant
Temperature Marking	C/C/D/D/C
UL Recognized	Yes
Hipot Test (1 Minute)	2000 V
Hipot Test (2 Seconds)	2500 V
UL Insulation Class	H(180°C)
UL Temperature Code	1029D

Product Data

Order product name	CORE & COIL HID 71A8453001D
EAN/UPC - Product	781087111819
Order code	913710414801
Numerator - Quantity Per Pack	1
Numerator - Packs per outer box	1
Material Nr. (12NC)	913710414801
Net Weight (Piece)	7.743 kg

Dimensional drawing



HPS BAL 400W S51 5-TAP KIT

Product	C1	C2	A1	A2	B1	B2
CORE & COIL HID 71A8453001D	4.84 in	2.65 in	4.8 in	4.4 in	4.3 in	3.9 in





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Product data

General Information		Electrical	
ANSI Code	S51-M169	Input Frequency	60 Hz
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Number of Lamps	1 piece/unit	Input Current (Starting)	2.91/1.67/1.42/1.26/0.72 A
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