

**PHILIPS**

# Lighting



## Core & Coil (71A) HPS ~GT~ 400W

**CORE & COIL HID HPS BAL 1000W S52 220/240V  
50HZ 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	S52
Lamp Type	1000W HPS
Number of Lamps	1 piece/unit
Circuit Type	CWA
Ballast Type	Magnetic HID
Base Model	71A87R3
Core Size	4 1/4 x 6
Suitable For Outdoor Use	Yes
Ignitor Catalog Number	LI571-H5
Ignitor Temperature Rating	105°C
Capacitor Value	28 MFD
Capacitor Catalog Number	MD1408-230
Capacitor Requirements	580V
Capacitor Temperature Rating	90°C
Capacitor Diameter/Oval Dimensions	1.75 in
Capacitor Height	3.90 in
Automatic Restart	No

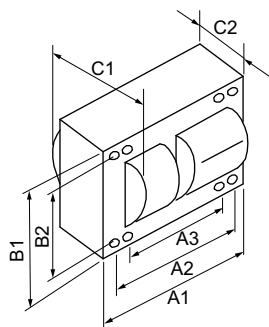
Operating and Electrical	
Input Voltage	220/240 V
Input Frequency	50 Hz
Inp. Current (Open Circuit)	1.3/1.2 A
Input Current (Starting)	6/5.6 A
Input Current (Short Circuit)	8.5-12.8/7.8-11.8 A
Secondary Short Circuit Current	10.35-12.65 A
Constant Wattage Deviation	Within Trapezoid
Ballast Factor (Nom)	1
Power Factor (Nom)	0.90
Nominal Open Circuit Voltage	435 V
Input Current (Operating) (Nom)	5.2/4.8 A A
Input Power (Nom)	1100 W
Rated Lamp Watts	1000 W
Wiring	
Wire Striplength	0.5 mm
Wire Length by Color	12"
Wire Type	Stranded
Remote Wiring Configuration Allowed	Yes

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Max Ballast-Lamp Distance Remote Wiring	15'
Recommended Fuse Value	15/15 A
<b>Approval and Application</b>	
Open Circuit Voltage Test (Volts)	455-555 V
Approbation Marks	ULR CSA certificate RoHS Compliant
Temperature Marking	E/E
UL Recognized	Yes
Hipot Test (1 Minute)	2000 V
Hipot Test (2 Seconds)	2500 V
UL Insulation Class	H(180°C)
UL Temperature Code	1029E

<b>Product Data</b>	
Order product name	CORE & COIL HID HPS BAL 1000W S52 220/240V 50HZ C&C
EAN/UPC - Product	781087037621
Order code	71A87R3500
Numerator - Quantity Per Pack	1
Numerator - Packs per outer box	1
Material Nr. (12NC)	913700506211
Net Weight (Piece)	14.729 kg

### Dimensional drawing



Product	C1	C2	A1	A2	A3	B1	B2
CORE & COIL HID 71A87R3500	6.30 in	4.30 in	6 in	5.4 in	4.4 in	4.3 in	3.9 in

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