



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

CORE & COIL HID HPS BAL 400W S51 QUAD 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 Characteristics

Lamp Type	400W HPS
Number of Lamps	1 piece
Line Voltage	120/208/240/277 V
Input Current (Operating)	3.8/2.2/1.9/1.7 A
Line Frequency	60 Hz
Circuit Type	CWA
Ballast Type	Magnetic HID
Base Model	71A8493
Core Size	4 x 4 (2 coil)
Suitable for Outdoor use?	Yes
Ignitor Catalog Number	LI501-H4
Ignitor Temp Rating	105°C
Capacitor value [μ F]	55 MFD
Capacitor Catalog Number	7C550P24RA
Capacitor Requirements	240V
Capacitor Temp Rating	105°C
Capacitor Dia/Oval Dim	1.85 in
Capacitor Height	3.70 in
Family Name	Core & Coil HPS

• Operating Characteristics

Automatic restart	No
Input Voltage at Lamp Dropout	90/156/180/208 V
Nominal Open Circuit Voltage	190 V
Inp. Current (Open Circuit)	2/1.2/0.95/0.85 A

Input Current (Starting)	3.3/1.8/1.5/1.4 A
Input Current Short Circuit	2.4-3.6/1.4-2.1/1.2-1.8/1-1.55 A
Secondary ShortCircuit Current	6-7.4 A
Input Power	464 W
Constant wattage deviation	Within Trapezoid
Ballast factor	1 -
Power Factor	0.90

• Wiring Characteristics

Wire Striplength	0.5 mm
Wire Length by Color	12"
Wire Type	Stranded
Allowed Wiring Config(Remote)	Yes
Max Dist. Ball to Lamp(Remote)	2'
Recommended Fuse	10/8/5/5 A

• System Chars on driver level

Rated Lamp Watts	400W
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• Product Dimensions

Length A1	4.8 in
Length A2	4.4 in
Width B1	4.3 in
Coil Depth C1	4 in
Stack Height C2	2.09 in
Width B2	3.9 in

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• Approval & Application Chars

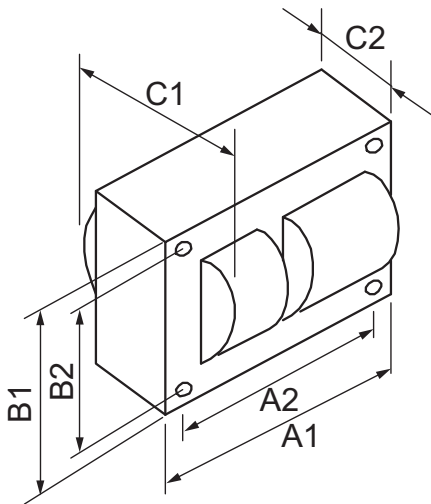
Approbation Marks	ULR, CSA, RoHS
CE marking	No
VDE certificate	No
UL Listed	No
CSA certificate	Yes
CCC certificate	No
Chia Quality Certificate	No
Temperature marking	D/D/D/D
CEC Listing	No
cUL certificate	No
EISA	No
ETL Certificate	No
FIDE Certificate	No
NOM certificate	No
RoHS Compliant	Yes
SASO Certificate	No
UL Recognized	Yes
ANSI Code	S51/M169

HiPot Test (1 minute)	2000 V
HiPot Test (2 seconds)	2500 V
Open Circ Voltage Test (Volts)	170-210 V
UL Insulation Class	H(180°C)
UL Temperature Code	1029D

• Product Data

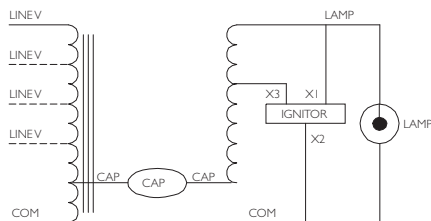
Product number	71A8493500D
Full product name	HPS BAL 400W S51 QUAD C&C
Short product name	HPS BAL 400W S51 QUAD C&C
Pieces per Sku	1
Skus/Case	4
Bar code on pack	781087849354
Bar code on case	50781087849359
Logistics code(s)	913700505871
eop_net_weight_pp	6.029 kg

Dimensional drawing



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Product	A1 (Norm)	A2 (Norm)	A3 (Norm)	B1 (Norm)	B2 (Norm)	C1 (Norm)	C2 (Norm)
HPS BAL 400W S51 QUAD C&C	4.8	4.4	-	4.3	3.9	4	2.09



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data subject to change