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

CORE & COIL HID HPS BAL 250W S50 5-TAP KIT

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	250W HPS
Number of Lamps	1 piece
Line Voltage	120/208/240/277/480 V
Input Current (Operating)	2.66/1.54/1.32/1.16/0.66 A
Line Frequency	60 Hz
Circuit Type	CWA
Ballast Type	Magnetic HID
Base Model	71A8251
Core Size	4 x 4 (2 coil)
Suitable for Outdoor use?	Yes
Ignitor Catalog Number	LI501-H4
Ignitor Temp Rating	105°C
Capacitor value [µF]	35 MFD
Capacitor Catalog Number	7C350P24RA
Capacitor Requirements	240V
Capacitor Temp Rating	105°C
Capacitor Dia/Oval Dim	1.65 in
Capacitor Height	3.7 in
Family Name	Core & Coil HPS

• Operating Characteristics

Automatic restart	No
Input Voltage at Lamp Dropout	82/136/159/183/314 V
Nominal Open Circuit Voltage	188 V
Inp. Current (Open Circuit)	1.82/1.1/0.92/0.83/0.45 A

Input Current (Starting)	1.32/0.82/0.66/0.56/0.32 A
Input Current Short Circuit	0.81-1.22/0.44-0.66/0.39-0.58/0.32-0.4 9/0.2-0.3 A
Secondary ShortCircuit Current	3.69-4.51 A
Input Power Gear	300 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	7/4/4/3/2 A

• System Chars on driver level

Rated Lamp Watts	250W

• Product Dimensions

Length A1	4.8 in
Length A2	4.4 in
Width B1	4.3 in
Coil Depth C1	3.6 in
Stack Height C2	2 in
Width B2	3.9 in

PHILIPS

- **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	C/C/B/B/B
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	S50

HiPot Test (1 minute)	2000 V
HiPot Test (2 seconds)	2500 V
Open Circ Voltage Test (Volts)	169-207 V
UL Insulation Class	H(180°C)
UL Temperature Code	1029C

- **Product Data**

Product number	71A8251001D
Full product name	HPS BAL 250W S50 5-TAP KIT
Short product name	HPS BAL 250W S50 5-TAP KIT
Pieces per Sku	1
Skus/Case	1
Bar code on pack	781087114193
Bar code on case	30781087114194
Logistics code(s)	913710414701
eop_net_weight_pp	5.612 kg

Dimensional drawing
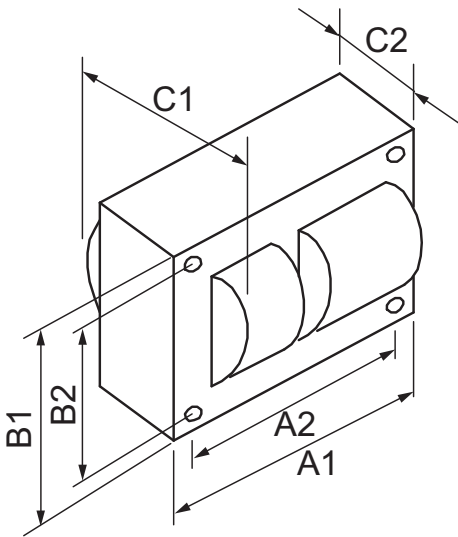
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Product	A1 (Norm)	A2 (Norm)	A3 (Norm)	B1 (Norm)	B2 (Norm)	C1 (Norm)	C2 (Norm)
HPS BAL 250W S50 5-TAP KIT	4.8	4.4	-	4.3	3.9	3.6	2
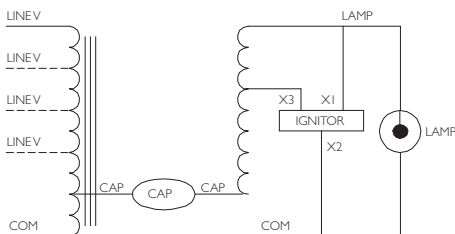
www.philips.com/lighting

2015, August 29
data subject to change