Core & Coil (71A) HPS < 200W

CORE & COIL HID HPS BAL 100W S54 QUAD 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	100W HPS
Number of Lamps	1 piece
Line Voltage	120/208/240/277 V
Input Current (Operating)	1.15/0.67/0.58/0.5 A
Line Frequency	60 Hz
Circuit Type	HX-HPF
Ballast Type	Magnetic HID
Base Model	71A8071
Core Size	3 X 4 (2 LW)
Suitable for Outdoor use?	Yes
Ignitor Catalog Number	LI551-H4
Ignitor Temp Rating	105°C
Capacitor value [µF]	10 MFD
Capacitor Catalog Number	7C100M30RA
Capacitor Requirements	280V
Capacitor Temp Rating	105°C
Capacitor Dia/Oval Dim	1.65 in
Capacitor Height	2.75 in
Family Name	Core & Coil HPS

• Operating Characteristics

Automatic restart	No
Input Voltage at Lamp Dropout	96/165/188/214 V
Nominal Open Circuit Voltage	125 V
Inp. Current (Open Circuit)	2.2/1.25/1.1/0.85 A

Input Current (Starting)	0.75/0.45/0.37/0.3 A
Input Current Short Circuit	0.6-0.9/0.35-0.55/0.3-0.45/0.29-0.43 A
Secondary ShortCircuit Current	2.6-3.3 A
Input Power Gear	135 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	7/5/3/3 A

• System Chars on driver level

Rated Lamp Watts	100W

• Product Dimensions

Length A1	3.9 in
Length A2	3.5 in
Width B1	2.8 in
Coil Depth C1	3.45 in
Stack Height C2	2 in
Width B2	2.4 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	E/F/E/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	S54

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HiPot Test (1 minute)	2000 V
HiPot Test (2 seconds)	2500 V
Open Circ Voltage Test (Volts)	110-130 V
UL Insulation Class	H(180°C)
UL Temperature Code	1029F

• Product Data

Product number	71A8071001D
Full product name	HPS BAL 100W S54 QUAD KIT
Short product name	HPS BAL 100W S54 QUAD KIT
Pieces per Sku	1
Skus/Case	1
Bar code on pack	781087807118
Bar code on case	30781087807119
Logistics code(s)	913700556409
eop_net_weight_pp	3.121 kg

Dimensional drawing
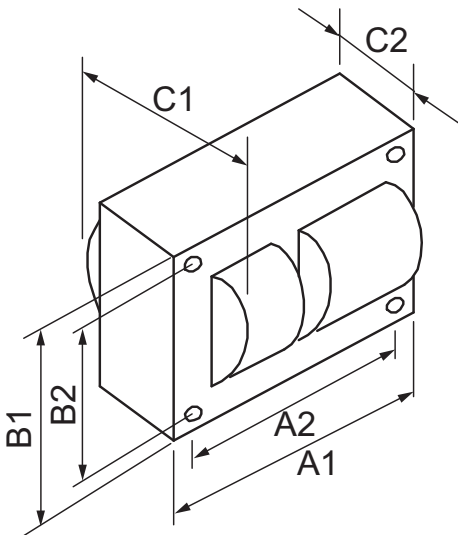
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Product	A1 (Norm)	A2 (Norm)	A3 (Norm)	B1 (Norm)	B2 (Norm)	C1 (Norm)	C2 (Norm)
HPS BAL 100W S54 QUAD KIT	3.9	3.5	-	2.8	2.4	3.45	2
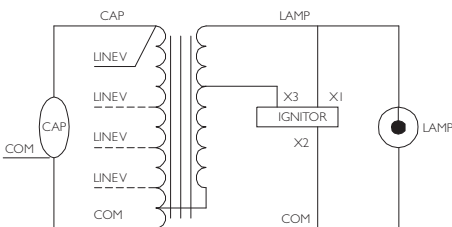
www.philips.com/lighting

2015, August 29
data subject to change