



Core & Coil (71A) HPS ~LT~ 200W

CORE & COIL HID HPS BAL 100W S54 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 Information	
ANSI Code	S54
Lamp Type	100W HPS
Number of Lamps	1 piece/unit
Circuit Type	HX-HPF
Ballast Type	Magnetic HID
Base Model	71A8091
Core Size	3 X 4 (2 LW)
Suitable For Outdoor Use	Yes
Ignitor Catalog Number	LI551-H4
Ignitor Temperature Rating	105°C
Capacitor Value	10 MFD
Capacitor Catalog Number	7C100M30RA
Capacitor Requirements	280V
Capacitor Temperature Rating	105°C
Capacitor Diameter/Oval Dimensions	1.65 in
Capacitor Height	2.75 in
Automatic Restart	No
Operating and Electrical	
Input Voltage	120/208/240/277 V

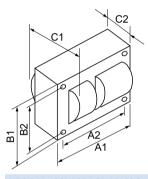
Input Frequency	60 Hz					
Inp. Current (Open Circuit)	2.2/1.25/1.1/0.85 A					
Input Current (Starting)	0.75/0.45/0.37/0.3 A					
Input Current (Short Circuit)	0.6-0.9/0.35-0.55/0.3-0.45/0.29-0.43 A					
Secondary Short Circuit Current	2.6-3.3 A Within Trapezoid					
Constant Wattage Deviation						
Ballast Factor (Nom)	1					
Power Factor (Nom)	0.90					
Nominal Open Circuit Voltage	125 V					
Input Current (Operating) (Nom)	1.15/0.67/0.58/0.5 A A					
Input Power (Nom)	135 W					
Rated Lamp Watts	100 W					
Wiring						
Wire Striplength	0.5 mm					
Wire Length by Color	12"					
Wire Type	Stranded					
Remote Wiring Configuration Allowed	Yes					
Max Ballast-Lamp Distance Remote	2'					
Wiring						

Core & Coil (71A) HPS ~LT~ 200W

Recommended Fuse Value	7/5/3/3 A					
Approval and Application						
Open Circuit Voltage Test (Volts)	110-130 V					
Approbation Marks	ULR CSA certificate RoHS Compliant					
Temperature Marking	E/F/E/D					
UL Recognized	Yes					
Hipot Test (1 Minute)	2000 V					
Hipot Test (2 Seconds)	2500 V					
UL Insulation Class	H(180°C)					
UL Temperature Code	1029F					

Product Data	
Order product name	CORE & COIL HID HPS BAL 100W S54 QUAD C&C
EAN/UPC - Product	781087809150
Order code	71A8091500D
Numerator - Quantity Per Pack	1
Numerator - Packs per outer box	4
Material Nr. (12NC)	913700576509
Net Weight (Piece)	2.826 kg

Dimensional drawing



HPS BAL 100W S54 QUAD C&C

Product	C1	C2	A1	A2	B1	B2
CORE & COIL HID HPS BAL 100W S54	3.45 in	2 in	3.9 in	3.5 in	2.8 in	2.4 in
QUAD C&C						



© 2019 Signify Holding All rights reserved. Signify does not give any representation or warranty as to the accuracy or completeness of the information included herein and shall not be liable for any action in reliance thereon. The information presented in this document is not intended as any commercial offer and does not form part of any quotation or contract, unless otherwise agreed by Signify. All trademarks are owned by Signify Holding or their respective owners.

www.lighting.philips.com 2019, March 22 - data subject to change