PHILIPS Lighting



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

CORE & COIL HID HPS BAL 100W S54 120/277/347V 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	71A80A1		
Core Size	3 X 4 (2 coil)		
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		

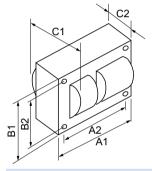
Operating and Electrical					
Input Voltage	120/277/347 V				
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Input Frequency	60 Hz				
Input Current (Open Circuit)	2.2/0.85/0.7 A				
Input Current (Starting)	1.3/0.6/0.45 A				
Input Current (Short Circuit)	0.7-1.3/0.3-0.55/0.25-0.4 A				
Secondary Short Circuit Current	2.6-3.2 A				
Constant Wattage Deviation	Within Trapezoid				
Ballast Factor (Nom)	1				
Power Factor (Nom)	0.90				
Open Circuit Voltage	120 V				
Input Current (Nom)	1.15/0.5/0.39 A A				
Input Power (Nom)	130 W				
Rated Lamp Power	100 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	2'				
Wiring					
Recommended Fuse Value	7/3/3 A				
Approval and Application					
Open Circuit Voltage Test (Volts)	110-130 V				
Approval Marks	ULR CSA certificate RoHS Compliant				
Temperature Marking	C/C/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	1029D				

Product Data	
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Order product name	CORE & COIL HID HPS BAL 100W S54
	120/277/347V C&C
EAN/UPC - Product	781087026038
Order code	913700504931
Numerator - Quantity Per Pack	1
Numerator - Packs per outer box	4
Material Nr. (12NC)	913700504931
Net Weight (Piece)	3.198 kg

Dimensional drawing



HPS BAL 100W S54 120/277/347V C&C

Product	C1	C2	A1	A2	B1	B2
CORE & COIL HID HPS BAL 100W S54	3.6 in	2.25 in	3.9 in	3.5 in	2.8 in	2.4 in
120/277/347V C&C						



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