PHILIPS Lighting



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

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		Input current (short cire
ANSI Code	S62	Secondary short-circuit
Lamp type	70W HPS	Constant wattage devia
Number of lamps	1 piece/unit	Ballast factor (nom.)
Circuit type	HX-HPF	Power factor (nom.)
Ballast type	Magnetic HID	Open circuit voltage
Base model	71A7941	Input current (nom.)
Core size	3 X 4 (2 coil)	Input power (nom.)
Suitable for outdoor use	Yes	Rated lamp power
Ignitor catalogue number	LI551-H4	
Ignitor temperature rating	105°C	Wiring
Capacitor value	7 MFD	Wire strip length
Capacitor catalogue number	7C070L30RA	Wire length by colour
Capacitor requirements	280V	Wire type
Capacitor temperature rating	105°C	Remote wiring configu
Capacitor diameter/oval dimensions	1.25 in	Max. ballast-lamp dist
Capacitor height	2.75 in	Recommended fuse va
Automatic restart	No	
		Approval and Appli
Operating and Electrical		Open circuit voltage te
Input voltage	480 V	Approval marks
Input frequency	60 Hz	Temperature marking
Input current (open circuit)	0.36 A	UL recognised

0.21 A

Input current (short circuit)	0.15-0.25 A				
Secondary short-circuit current	1.8-2.2 A				
Constant wattage deviation	Within Trapezoid				
Ballast factor (nom.)	1				
Power factor (nom.)	0.90				
Open circuit voltage	120 V				
Input current (nom.)	0.21 A A				
Input power (nom.)	93 W				
Rated lamp power	70 W				
Wiring					
Wire strip length	0.5 mm				
Wire length by colour	12"				
Wire type	Stranded				
Remote wiring configuration allowed	Yes				
Max. ballast-lamp distance remote wiring 2'					
Recommended fuse value	2 A				
Approval and Application					
Open circuit voltage test (volts)	110-130 V				
Approval marks	ULR CSA certificate RoHS Compliant				
Temperature marking	A				
UL recognised	Yes				
Hipot test (1 minute)	2000 V				

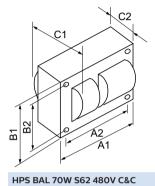
Input current (starting)

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Hipot test (2 seconds)	2500 V
UL insulation class	H(180°C)
UL temperature code	1029A
Product Data	
Order product name	CORE & COIL HID HPS BAL 70W S62 480V
	C&C

EAN/UPC – product	781087794159
Numerator – quantity per pack	1
Numerator – packs per outer box	6
Material no. (12NC)	913700537909
Net weight (piece)	2.763 kg

Dimensional drawing



Product	C1	C2	A1	A2	B1	B2
CORE & COIL HID HPS BAL 70W S62	3.2 in	1.85 in	3.9 in	3.5 in	2.8 in	2.4 in
480V C&C						



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