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

ANSI Code	S54
Lamp type	100W HPS
Number of lamps	1 piece/unit
Circuit type	HX-HPF
Ballast type	Magnetic HID
Base model	71A8071
Core size	3 X 4 (2 LW)
Suitable for outdoor use	Yes
Ignitor catalogue number	LI551-H4
Ignitor temperature rating	105°C
Capacitor value	10 MFD
Capacitor catalogue 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
Input 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)

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
Constant wattage deviation	Within Trapezoid
Ballast factor (nom.)	1
Power factor (nom.)	0.90
Open circuit voltage	125 V
Input current (nom.)	1.15/0.67/0.58/0.5 A A
Input power (nom.)	135 W
Rated lamp power	100 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	7/5/3/3 A

Approval and Application

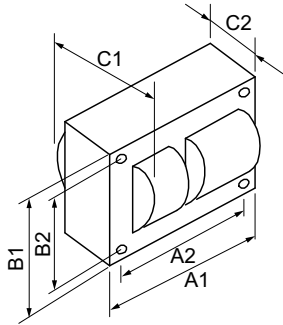|	
Open circuit voltage test (volts)	110-130 V
Approval marks	ULR CSA certificate RoHS Compliant
Temperature marking	E/F/E/D
UL recognised	Yes

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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 KIT

EAN/UPC – product	781087807118
Numerator – quantity per pack	1
Numerator – packs per outer box	1
Material no. (12NC)	913700556409
Net weight (piece)	3.207 kg

Dimensional drawing

HPS BAL 100W S54 QUAD KIT

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

www.lighting.philips.com

2019, March 22 – data subject to change