

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 (Oper-1.15/0.67/0.58/0.5 A

ating) 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 Yes use?

Ignitor Catalog

LI551-H4 Number

105°C Ignitor Temp Rating Capacitor value [µF] 10 MFD Capacitor Catalog 7C100M30RA Number

280V

Capacitor Require-

ments 105°C

Capacitor Temp

Rating

Capacitor Dia/Oval 1.65 in Dim

Capacitor Height 2.75 in

Family Name Core & Coil HPS

• Operating Characteristics

Automatic restart

96/165/188/214 V Input Voltage at

Lamp Dropout

125 V Nominal Open Circuit Voltage

Inp. Current (Open 2.2/1.25/1.1/0.85 A

Circuit)

0.75/0.45/0.37/0.3 A Input Current

(Starting)

Input Current Short 0.6-0.9/0.35-0.55/0.3-0.45/0.29-0.43 A

Within Trapezoid

Circuit

Secondary ShortCir-2.6-3.3 A cuit Current 135 W

Input Power Gear Constant wattage

deviation

Ballast factor 0.90

Power Factor

Wiring Characteristics

Wire Striplength 0.5 mm Wire Length by 12"

Color

Wire Type Stranded Allowed Wiring Config(Remote) Max Dist. Ball to

Lamp(Remote)

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



Core & Coil (71A) HPS < 200W

• Approval & Application Chars

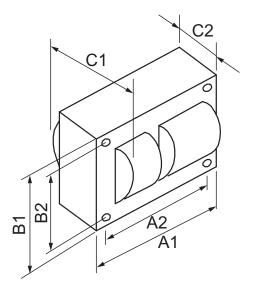
Approbation Marks CE marking	ULR, CSA, RoHS No
VDE certificate	No
UL Listed	No
CSA certificate	Yes
CCC certificate	No
Chia Quality Certifi-	No
cate	
Temperature	E/F/E/D
marking	
CEC Listing	No
cUL certificate	No
EISA	No
ETL Certificate	No
FIDE Certificate	No
NOM certificate	No
RoHS Compliant	Yes
SASO Certificate	No
UL Recognized	Yes
ANSI Code	S54

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

• Product Data

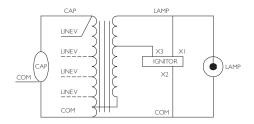
Product number Full product name	71A8071001D HPS BAL 100W S54 QUAD KIT HPS BAL 100W S54 QUAD KIT
Short product name Pieces per Sku	1
Skus/Case	1
Bar code on pack	781087807118
Bar code on case	30781087807119
Logistics code(s)	913700556409
eop_net_weight_pp	3.121 kg

Dimensional drawing



CORE & COIL HID HPS BAL 100W S54 QUAD KIT

Product	A1 (Norm)	A2 (Norm)	A3 (Nom)	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





Specifications are subject to change without notice. Trademarks are the property of Koninklijke Philips N.V. (Royal Philips) or their respective owners.