

# Core & Coil (71A) MH

## ~LT~ 175W

**CORE & COIL HID MH BAL 70W M85 120/277V**  
**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	M85
Lamp Type	70W MH
Number of Lamps	1 piece/unit
Circuit Type	HX-HPF
Ballast Type	Magnetic HID
Base Model	71A5280
Core Size	3 X 4 (2 coil)
Suitable For Outdoor Use	Yes
Ignitor Catalog Number	LI522-H5
Ignitor Temperature Rating	105°C
Capacitor Value	8 MFD
Capacitor Catalog Number	7C080L30RA
Capacitor Requirements	280V
Capacitor Temperature Rating	105°C
Capacitor Diameter/Oval Dimensions	1.25 in
Capacitor Height	2.75 in
Automatic Restart	No

## Operating and Electrical

Input Voltage	120/277 V
Input Frequency	60 Hz
Inp. Current (Open Circuit)	1.6/0.7 A
Input Current (Starting)	0.85/0.4 A
Input Current (Short Circuit)	0.7-1.1/0.3-0.5 A
Secondary Short Circuit Current	1.1-1.4 A
Constant Wattage Deviation	7%
Ballast Factor (Nom)	1
Power Factor (Nom)	0.90
Nominal Open Circuit Voltage	245 V
Input Current (Operating) (Nom)	0.85/0.37 A A
Input Power (Nom)	94 W
Rated Lamp Watts	70 W

## Wiring

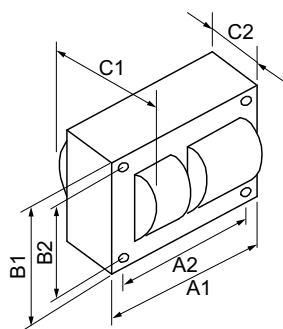
Wire Striplength	0.5 mm
Wire Length by Color	12"
Wire Type	Stranded
Remote Wiring Configuration Allowed	Yes

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Max Ballast-Lamp Distance Remote Wiring	20'
Recommended Fuse Value	4/2 A
<b>Approval and Application</b>	
Open Circuit Voltage Test (Volts)	220-270 V
Approbation Marks	ULR CSA certificate RoHS Compliant
Temperature Marking	A/A
UL Recognized	Yes
Hipot Test (1 Minute)	2000 V
Hipot Test (2 Seconds)	2500 V
UL Insulation Class	H(180°C)
UL Temperature Code	1029A

<b>Product Data</b>	
Order product name	CORE & COIL HID MH BAL 70W M85 120/277V C&C
EAN/UPC - Product	781087528051
Order code	71A5280500D
Numerator - Quantity Per Pack	1
Numerator - Packs per outer box	4
Material Nr. (12NC)	913700571709
Net Weight (Piece)	2.473 kg

### Dimensional drawing



MH BAL 70W M85 120/277V C&C

Product	C1	C2	A1	A2	B1	B2
CORE & COIL HID 71A5280500D	2.7 in	1.5 in	3.9 in	3.5 in	2.8 in	2.4 in

