

# Core & Coil (71A) MH

## ~GT~ 450W

**CORE & COIL HID MH BAL 1500W M48  
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	M48
Lamp Type	1500W MH
Number of Lamps	1 piece/unit
Circuit Type	CWA
Ballast Type	Magnetic HID
Base Model	71A67A2
Core Size	4 1/4 x 6
Suitable For Outdoor Use	Yes
Ignitor Catalog Number	NA
Ignitor Temperature Rating	NA
Capacitor Value	32 MFD
Capacitor Catalog Number	MD3202100
Capacitor Requirements	525V
Capacitor Temperature Rating	90°C
Capacitor Diameter/Oval Dimensions	2 in
Capacitor Height	3.75 in
Automatic Restart	No

## Operating and Electrical

Input Voltage	120/277/347 V
Input Frequency	60 Hz
Input Current (Open Circuit)	4.8/2/1.7 A
Input Current (Starting)	13.4/5.7/4.6 A
Input Current (Short Circuit)	9.8-14.8/4.4-6.7/3.5-5.3 V
Secondary Short Circuit Current	7.4-9/7.4-9/7.4-9 A
Constant Wattage Deviation	12%
Ballast Factor (Nom)	1
Power Factor (Nom)	0.90
Open Circuit Voltage	450 V
Input Current (Nom)	13.5/5.85/4.8 A A
Input Power (Nom)	1615 W
Rated Lamp Power	1500 W

## Wiring

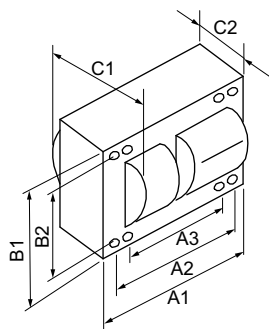
Wire Striplength	0.5 mm
Wire Length by Color	12"
Wire Type	Stranded
Remote Wiring Configuration Allowed	Yes

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Max Ballast-Lamp Distance Remote Wiring Determined by AWG used	
Recommended Fuse Value	30/15/15 A
<b>Approval and Application</b>	
Open Circuit Voltage Test (Volts)	405-495 V
Approval Marks	ULR CSA certificate RoHS Compliant
Temperature Marking	G/G/G
UL Recognized	Yes
Hipot Test (1 Minute)	2000 V
Hipot Test (2 Seconds)	2500 V
UL Insulation Class	H(180°C)
UL Temperature Code	1029G

<b>Product Data</b>	
Order product name	CORE & COIL HID MH BAL 1500W M48 120/277/347V C&C
EAN/UPC - Product	781087022726
Order code	913700504361
Numerator - Quantity Per Pack	1
Numerator - Packs per outer box	2
Material Nr. (12NC)	913700504361
Net Weight (Piece)	13.753 kg

### Dimensional drawing



MH BAL 1500W M48 120/277/347V C&C

Product	C1	C2	A1	A2	A3	B1	B2
CORE & COIL HID MH BAL 1500W M48 120/277/347V C&C	6.1 in	4.10 in	6 in	5.4 in	4.4 in	4.3 in	3.9 in

