

## Core & Coil (71A) MH ~LT~ 175W

**CORE & COIL HID MH BAL 100W M90/140 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	M90-M140
Lamp Type	100W MH
Number of Lamps	1 piece/unit
Circuit Type	R-HPF
Ballast Type	Magnetic HID
Base Model	71A5337BP
Core Size	2 5/8 x 2 3/16
Suitable For Outdoor Use	Yes
Ignitor Catalog Number	INTEGRAL
Ignitor Temperature Rating	125°C
Capacitor Value	10 MFD
Capacitor Catalog 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

<b>Input Voltage</b>	277 V
<b>Input Frequency</b>	60 Hz
<b>Inp. Current (Open Circuit)</b>	1.05 A
<b>Input Current (Starting)</b>	0.7 A
<b>Input Current (Short Circuit)</b>	0.25-0.35 A
<b>Secondary Short Circuit Current</b>	1.05-1.55 A
<b>Constant Wattage Deviation</b>	10%
<b>Ballast Factor (Nom)</b>	1
<b>Power Factor (Nom)</b>	0.90
<b>Nominal Open Circuit Voltage</b>	277 V
<b>Input Current (Operating) (Nom)</b>	0.45 A A
<b>Input Power (Nom)</b>	118 W
<b>Rated Lamp Watts</b>	100 W

## Wiring

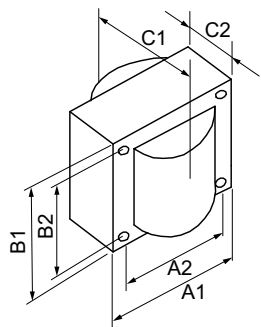
Wire Striplength	0.5 mm
Wire Length by Color	12"
Wire Type	Stranded
Remote Wiring Configuration Allowed	Yes

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Max Ballast-Lamp Distance Remote Wiring 2'	
Recommended Fuse Value	3 A
<b>Approval and Application</b>	
Open Circuit Voltage Test (Volts)	260-290 V
Approbation Marks	RoHS Compliant CSA certificate
Temperature Marking	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 100W M90/140 277V C&C
EAN/UPC - Product	781087097656
Order code	71A5337510DBP
Numerator - Quantity Per Pack	1
Numerator - Packs per outer box	16
Material Nr. (12NC)	913710487702
Net Weight (Piece)	0.010 kg

### Dimensional drawing



MH BAL 100W M90/140 120/277V C&C

Product	C1	C2	A1	A2	B1	B2
CORE & COIL HID MH BAL 100W M90/140 277V C&C	3.1 in	1.8 in	2.6 in	2.2 in	2.2 in	1.8 in

