

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

**CORE & COIL HID MH BAL 100W M90/140
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 | M90-M140 |
| Lamp Type | 100 MH |
| Number of Lamps | 1 piece/unit |
| Circuit Type | HX-HPF |
| Ballast Type | Magnetic HID |
| Base Model | 71A53A0 |
| Core Size | 3 X 4 (2 coil) |
| Suitable For Outdoor Use | Yes |
| Ignitor Catalog Number | LI533-H4 |
| Ignitor Temperature Rating | 105°C |
| Capacitor Value | 12 MFD |
| Capacitor Catalog Number | 7C120M30RA |
| 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 | 120/277/347 V |
| Input Frequency | 60 Hz |
| Inp. Current (Open Circuit) | 2.6/1.15/1 A |
| Input Current (Starting) | 1.15/0.5/0.4 A |
| Input Current (Short Circuit) | 0.7-1.2/0.3-0.5/0.25-0.45 A |
| Secondary Short Circuit Current | 1.3-1.6 A |
| Constant Wattage Deviation | 12% |
| Ballast Factor (Nom) | 1 |
| Power Factor (Nom) | 0.90 |
| Nominal Open Circuit Voltage | 280 V |
| Input Current (Operating) (Nom) | 1.15/0.5/0.4 A A |
| Input Power (Nom) | 129 W |
| Rated Lamp Watts | 100 W |

Wiring

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

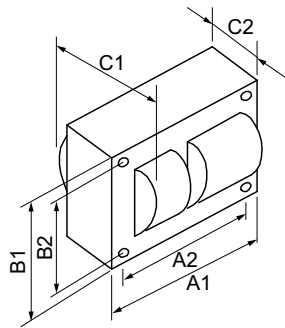
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| | |
|-----------------------------------|------------------------------------|
| Max Ballast-Lamp Distance Remote | 25' |
| Wiring | |
| Recommended Fuse Value | 6/3/2 A |
| Approval and Application | |
| Open Circuit Voltage Test (Volts) | 250-315 V |
| Approbation Marks | ULR CSA certificate RoHS Compliant |
| Temperature Marking | B/B/B |
| UL Recognized | Yes |
| Hipot Test (1 Minute) | 2000 V |
| Hipot Test (2 Seconds) | 2500 V |
| UL Insulation Class | H(180°C) |
| UL Temperature Code | 1029B |

Product Data

| | |
|---------------------------------|---|
| Order product name | CORE & COIL HID MH BAL 100W M90/140 120/277/347V C&C |
| EAN/UPC - Product | 781087047316 |
| Order code | 71A53A0510D |
| Numerator - Quantity Per Pack | 1 |
| Numerator - Packs per outer box | 4 |
| Material Nr. (12NC) | 913700502711 |
| Net Weight (Piece) | 2.681 kg |

Dimensional drawing



MH BAL 100W M90/140 120/277/347V C&C

| Product | C1 | C2 | A1 | A2 | B1 | B2 |
|-----------------------------|--------|--------|--------|--------|--------|--------|
| CORE & COIL HID 71A53A0510D | 2.9 in | 1.7 in | 3.9 in | 3.5 in | 2.8 in | 2.4 in |

