



# Core & Coil (71A) MH ~GT~ 450W

## CORE & COIL HID 71A65N2510

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                          | M47                |
| Lamp Type                          | 1000W MH           |
| Number Of Lamps                    | 1 piece/unit       |
| Circuit Type                       | CWA                |
| Ballast Type                       | Magnetic HID       |
| Base Model                         | 71A65N2            |
| Core Size                          | 4 1/4 x 6 (2 Coil) |
| Suitable For Outdoor Use           | Yes                |
| Ignitor Catalog Number             | NA                 |
| Ignitor Temperature Rating         | NA                 |
| Capacitor Value                    | 26 MFD             |
| Capacitor Catalog Number           | MD2602100          |
| Capacitor Requirements             | 525V               |
| Capacitor Temperature Rating       | 90°C               |
| Capacitor Diameter/Oval Dimensions | 1.75 in            |
| Capacitor Height                   | 5.3 in             |
| Automatic Restart                  | No                 |

| Operating and Electrical        |                     |
|---------------------------------|---------------------|
| Input Voltage                   | 120/220/240 V       |
| Input Frequency                 | 50 Hz               |
| Input Current (Open Circuit)    | 4/2.1/2 A           |
| Input Current (Starting)        | 8.2/4.5/4.1 A       |
| Input Current (Short Circuit)   | 12-18/6.5-9.8/6-9 V |
| Secondary Short Circuit Current | 7.7-9.4 A           |
| Constant Wattage Deviation      | 10%                 |
| Ballast Factor (Nom)            | 1                   |
| Power Factor (Nom)              | 0.90                |
| Open Circuit Voltage            | 450 V               |
| Input Current (Nom)             | 9.3/5/4.5 A A       |
| Input Power (Nom)               | 1090 W              |
| Rated Lamp Power                | 1000 W              |

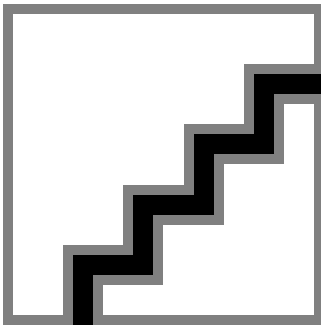
| Wiring                              |          |
|-------------------------------------|----------|
| Wire Striplength                    | 0.5 mm   |
| Wire Length By Color                | 12"      |
| Wire Type                           | Stranded |
| Remote Wiring Configuration Allowed | Yes  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

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|  |                                    |
|--|------------------------------------|
| <b>Max Ballast-Lamp Distance Remote Wiring</b> | Determined by AWG used             |
| <b>Recommended Fuse Value</b>                  | 24/13/13 A                         |
| <b>Approval and Application</b>                |                                    |
| <b>Open Circuit Voltage Test (Volts)</b>       | 430-520 V                          |
| <b>Approval Marks</b>                          | ULR CSA certificate RoHS Compliant |
| <b>Temperature Marking</b>                     | D/C/C                              |
| <b>UL Recognized</b>                           | Yes                                |
| <b>Hipot Test (1 Minute)</b>                   | 2000 V                             |
| <b>Hipot Test (2 Seconds)</b>                  | 2500 V                             |
| <b>UL Insulation Class</b>                     | H(180°C)                           |
| <b>UL Temperature Code</b>                     | 1029D                              |

| <b>Product Data</b>                    |                            |
|--|----------------------------|
| <b>Order product name</b>              | CORE & COIL HID 71A65N2510 |
| <b>EAN/UPC - Product</b>               | 781087058251               |
| <b>Order code</b>                      | 913710475202               |
| <b>Numerator - Quantity Per Pack</b>   | 1                          |
| <b>Numerator - Packs per outer box</b> | 2                          |
| <b>Material Nr. (12NC)</b>             | 913710475202               |
| <b>Net Weight (Piece)</b>              | 11.168 kg                  |

### Dimensional drawing



MH BAL 1000W M47 120/220/240V 50HZ C&C

| Product                    | C1   | C2   | A1   | A2     | A3     | B1     | B2     |
|----------------------------|------|------|------|--------|--------|--------|--------|
| CORE & COIL HID 71A65N2510 | 5 in | 3 in | 6 in | 5.4 in | 4.4 in | 4.3 in | 3.9 in |

