



# Core & Coil (71A) LPS

## CORE & COIL HID LPS BAL 135/180W L73/74 347/480V 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                          | L74                    |  |  |  |  |  |
| Lamp Type                          | 180W LPS               |  |  |  |  |  |
| Number of Lamps                    | 1 piece/unit           |  |  |  |  |  |
| Circuit Type                       | HX-HPF                 |  |  |  |  |  |
| Ballast Type                       | Magnetic HID           |  |  |  |  |  |
| Base Model                         | 71A07F0                |  |  |  |  |  |
| Core Size                          | 4 1/4 x 5 3/4 (2 coil) |  |  |  |  |  |
| Suitable For Outdoor Use           | Yes                    |  |  |  |  |  |
| Capacitor Value                    | 16 MFD                 |  |  |  |  |  |
| Capacitor Catalog Number           | 7C160P40<br>330V       |  |  |  |  |  |
| Capacitor Requirements             |                        |  |  |  |  |  |
| Capacitor Temperature Rating       | 105°C                  |  |  |  |  |  |
| Capacitor Diameter/Oval Dimensions | 1.75 in                |  |  |  |  |  |
| Capacitor Height                   | 3.75 in                |  |  |  |  |  |
| Automatic Restart                  | No                     |  |  |  |  |  |
|                                    |                        |  |  |  |  |  |

| Operating and Electrical      |                      |
|-------------------------------|----------------------|
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| Input Voltage                 | 347/480 V            |
| Input Frequency               | 60 Hz                |
| Inp. Current (Open Circuit)   | 1.82/1.33 A          |
| Input Current (Starting)      | 0.76/0.54 A          |
| Input Current (Short Circuit) | 0.26-0.4/0.19-0.29 A |
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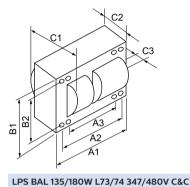
| Secondary Short Circuit Current        | 0.96-1.17 A                        |  |  |  |  |  |
|--|------------------------------------|--|--|--|--|--|
| Constant Wattage Deviation             | 10%                                |  |  |  |  |  |
| Ballast Factor (Nom)                   | 1                                  |  |  |  |  |  |
| Power Factor (Nom)                     | 0.90                               |  |  |  |  |  |
| Nominal Open Circuit Voltage           | 690 V                              |  |  |  |  |  |
| Input Current (Operating) (Nom)        | 0.62/0.45 A A                      |  |  |  |  |  |
| Input Power (Nom)                      | 213 W                              |  |  |  |  |  |
| Rated Lamp Watts                       | 180 W                              |  |  |  |  |  |
|  |                                    |  |  |  |  |  |
| Wiring                                 |                                    |  |  |  |  |  |
| Wire Striplength                       | 0.5 mm                             |  |  |  |  |  |
| Wire Length by Color                   | 12"                                |  |  |  |  |  |
| Wire Type                              | Stranded                           |  |  |  |  |  |
| Remote Wiring Configuration Allowed    | Yes                                |  |  |  |  |  |
| Max Ballast-Lamp Distance Remote Wirin | g Determined by AWG used           |  |  |  |  |  |
| Recommended Fuse Value                 | 5/4 A                              |  |  |  |  |  |
|  |                                    |  |  |  |  |  |
| Approval and Application               |                                    |  |  |  |  |  |
| Open Circuit Voltage Test (Volts)      | 620-755 V                          |  |  |  |  |  |
| Approbation Marks                      | ULR CSA certificate RoHS Compliant |  |  |  |  |  |
| Temperature Marking                    | A/A                                |  |  |  |  |  |
| UL Recognized                          | Yes                                |  |  |  |  |  |
| Hipot Test (1 Minute)                  | 2000 V                             |  |  |  |  |  |
|  |                                    |  |  |  |  |  |

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| Hipot Test (2 Seconds) | 2500 V                           |  |  |  |  |
|------------------------|----------------------------------|--|--|--|--|
| UL Insulation Class    | H(180°C)                         |  |  |  |  |
| UL Temperature Code    | 1029A                            |  |  |  |  |
|                        |                                  |  |  |  |  |
| Product Data           |                                  |  |  |  |  |
| Order product name     | CORE & COIL HID LPS BAL 135/180W |  |  |  |  |
|                        | L73/74 347/480V C&C              |  |  |  |  |
| EAN/UPC - Product      | 781087119907                     |  |  |  |  |
|                        |                                  |  |  |  |  |

| Order code                      | 71A07F0500D  |  |  |  |  |
|---------------------------------|--------------|--|--|--|--|
| Numerator - Quantity Per Pack   | 1            |  |  |  |  |
| Numerator - Packs per outer box | 3            |  |  |  |  |
| Material Nr. (12NC)             | 913700502121 |  |  |  |  |
| Net Weight (Piece)              | 7.009 kg     |  |  |  |  |
|                                 |              |  |  |  |  |

#### Dimensional drawing



| Product                  | C1   | C2      | A1     | A2     | A3     | B1     | B2     | C3     |
|--------------------------|------|---------|--------|--------|--------|--------|--------|--------|
| CORE & COIL HID LPS BAL  | 4 in | 2.35 in | 5.8 in | 5.4 in | 4.4 in | 4.3 in | 3.9 in | 1.3 in |
| 135/180W L73/74 347/480V |      |         |        |        |        |        |        |        |
| C&C                      |      |         |        |        |        |        |        |        |



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