



# F-can (72C)

## F-CAN HID HPS BAL 100W S54 120/277V FCAN

The Philips Advance line of F-can HID ballasts comes in two dual-voltage configurations for the US and Canadian market. Ballasts for these luminaires are most often encased and potted in fluorescent ballast type cans.

#### **Product data**

| General Information             |                   |  |  |  |  |
|---------------------------------|-------------------|--|--|--|--|
| ANSI Code                       | S54               |  |  |  |  |
| Lamp Type                       | 100W HPS          |  |  |  |  |
| Number of Lamps                 | 1 piece/unit      |  |  |  |  |
| Circuit Type                    | HX-HPF            |  |  |  |  |
| Ballast Type                    | Magnetic HID      |  |  |  |  |
| Base Model                      | 72C8084           |  |  |  |  |
| Suitable For Outdoor Use        | Yes               |  |  |  |  |
| Ignitor Catalog Number          | Inside Can        |  |  |  |  |
| Capacitor Catalog Number        | Inside Can        |  |  |  |  |
| Automatic Restart               | No                |  |  |  |  |
|                                 |                   |  |  |  |  |
| Operating and Electrical        |                   |  |  |  |  |
| Input Voltage                   | 120/277 V         |  |  |  |  |
| Input Frequency                 | 60 Hz             |  |  |  |  |
| Input Current (Open Circuit)    | 1.85/0.8 A        |  |  |  |  |
| Input Current (Starting)        | 1.5/0.65 A        |  |  |  |  |
| Input Current (Short Circuit)   | 1.4-2.1/0.6-0.9 A |  |  |  |  |
| Secondary Short Circuit Current | 2.7-3.35 A        |  |  |  |  |
| Constant Wattage Deviation      | Within Trapezoid  |  |  |  |  |
| Ballast Factor (Nom)            | 1                 |  |  |  |  |
| Power Factor (Nom)              | 0.90              |  |  |  |  |
| Open Circuit Voltage            | 120 V             |  |  |  |  |
| Input Current (Nom)             | 1.1/0.5 A A       |  |  |  |  |
|                                 |                   |  |  |  |  |

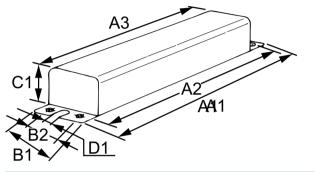
| Input Power (Nom)                     | 125 W                               |  |  |  |  |
|---------------------------------------|-------------------------------------|--|--|--|--|
| Rated Lamp Power                      | 100 W                               |  |  |  |  |
|                                       |                                     |  |  |  |  |
| Wiring                                |                                     |  |  |  |  |
| Wire Striplength                      | 0.5 mm                              |  |  |  |  |
| Wire Length by Color                  | 12"                                 |  |  |  |  |
| Wire Type                             | Stranded                            |  |  |  |  |
| Remote Wiring Configuration Allowed   | Yes                                 |  |  |  |  |
| Max Ballast-Lamp Distance Remote Wiri | <b>ng</b> 15'                       |  |  |  |  |
| Recommended Fuse Value                | 6/3 A                               |  |  |  |  |
|                                       |                                     |  |  |  |  |
| Mechanical and Housing                |                                     |  |  |  |  |
| Housing Material                      | Metal                               |  |  |  |  |
| Housing                               | F-Can                               |  |  |  |  |
| Housing Dimensions                    | 11.75 x 2.63 x 3.19                 |  |  |  |  |
|                                       |                                     |  |  |  |  |
| Approval and Application              |                                     |  |  |  |  |
| Open Circuit Voltage Test (Volts)     | 110-130 V                           |  |  |  |  |
| Approval Marks                        | CSA certificate UL certificate RoHS |  |  |  |  |
|                                       | Compliant                           |  |  |  |  |
| Temperature Marking                   | 90ºC max. case                      |  |  |  |  |
| UL Recognized                         | No                                  |  |  |  |  |
| Hipot Test (1 Minute)                 | 1600 V                              |  |  |  |  |
| Hipot Test (2 Seconds)                | 2000 V                              |  |  |  |  |

### F-can (72C)

| UL Insulation Class | A(105°C)                            |  |  |  |  |
|---------------------|-------------------------------------|--|--|--|--|
| UL Temperature Code | NA                                  |  |  |  |  |
|                     |                                     |  |  |  |  |
| Product Data        |                                     |  |  |  |  |
| Order product name  | F-CAN HID HPS BAL 100W S54 120/277V |  |  |  |  |
|                     | FCAN                                |  |  |  |  |
| EAN/UPC - Product   | 781087280843                        |  |  |  |  |

| Order code                      | 913700542209 |
|---------------------------------|--------------|
| Numerator - Quantity Per Pack   | 1            |
| Numerator - Packs per outer box | 4            |
| Material Nr. (12NC)             | 913700542209 |
| Net Weight (Piece)              | 3.833 kg     |
|                                 |              |

#### **Dimensional drawing**



| Product             | A1    | A2       | A3      | B1     | B2     | C1     | D1     |
|---------------------|-------|----------|---------|--------|--------|--------|--------|
| F-CAN HID 72C8084NP | 12 in | 11.13 in | 10.5 in | 3.9 in | 2.0 in | 2.6 in | 0.3 in |

HPS BAL 100W S54 120/277V FCAN



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www.lighting.philips.com 2019, February 12 - data subject to change