



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



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# BSP3 (LC) Series

Rev 8-10-2017

**BSP3-120(LC) / BSP3-208-240(LC)**  
**BSP3-277(LC) / BSP3-347(LC) / BSP3-480(LC)**  
 Compact 3-Pole LED Driver Surge Protectors

**Intelligent Device ECOSYSTEM**  
 classic



**IP65**

## Features

BSP3(LC) series products are designed for use in conjunction with LED Drivers and electronic fluorescent and HID ballasts to provide an additional level of protection against powerline disturbances in industrial and commercial applications. The main product feature of the LC series is being smaller and lower cost than our standard BSP3 series. The LC series also protect electronic fluorescent and HID ballasts.

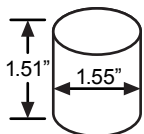
- The BSP3 LC Series are 3-leaded devices that protect: Line-Ground, Line-Neutral, and Neutral-Ground connections
- Protects against surges and transients per ANSI C62.41-2002 category C low (6KV, 1.2/50µS & 3KA, 8/20µS) standard Combo waves and (6KV, 100KHz) Ring wave
- UL Recognized Component in the United States and Canada (UL935, UL1029), Some models Recognized to UL1449 (see below)
- High temperature, flameproof plastic enclosure, 85°C max surface temp rating
- 120V Model: Protection for LED drivers capable of operating at 120V nominal input voltage.
- 240V Model: Protection for LED drivers capable of operating at 240V nominal input voltage or with universal input range of 120V through 240V. Not suitable for 120V-only devices.
- 347V Model: Protection for LED drivers capable of operating at 347V nominal input voltage or with universal input range of 277V through 347V. Not suitable for 120V, 240V or 277V -only devices.
- 277V Model: Protection for LED drivers capable of operating at 277V input voltage or with universal input range of 120V through 277V. Not suitable for 120V- or 240V-only devices.
- 480V Model: Protection for LED drivers capable of operating at 480V input voltage or with universal input ranges of 277V through 480V or 347V through 480V. Not suitable for 277V- or 347V-only devices.



| Model             | Mains Voltage | Continuous Max Voltage Rating |     | Max Clamping Voltage<br>8/20 µS @ 10kA | UL1449 | UL935/<br>UL1029 |
|-------------------|---------------|-------------------------------|-----|--|--------|------------------|
|                   |               | AC                            | DC  |  |        |                  |
| BSP3-120 (LC)     | 120V          | 150                           | 200 | 600                                    |        | •                |
| BSP3-208-240 (LC) | 240V          | 275                           | 350 | 1000                                   |        | •                |
| BSP3-277 (LC)     | 277V          | 320                           | 420 | 1500                                   | •      | •                |
| BSP3-347 (LC)     | 347V          | 420                           | 560 | 1900                                   |        | •                |
| BSP3-480 (LC)     | 480V          | 550                           | 715 | 2500                                   | •      | •                |

Note: While the standard BSP3-277 is Recognized to UL1449, the BSP3-277(LC) is not

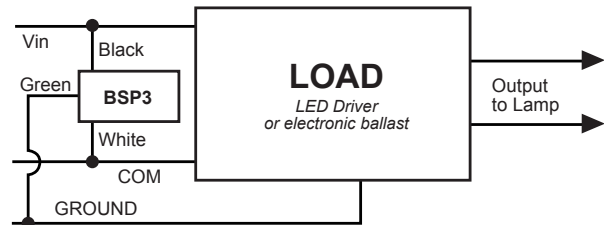
## Dimensions



**Leads:**  
12", stripped 0.63"  
**Leadwire:**  
AWG#18 solid  
**Weight:**  
0.22 lbs / 87g

| Pulse rating<br>(8 x 20 µSec) |          |
|-------------------------------|----------|
| Strikes                       | Surge    |
| 1                             | 10,000 A |
| 2                             | 6,500 A  |
| 10                            | 3,000 A  |
| 100                           | 1,500 A  |
| 1,000                         | 700 A    |

## Wiring



★ **MADE IN USA** ★  
 Of Imported And Domestic Components

