

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



Rev 12-17-2018



**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, ULI029), Some models Recognized to ULI449 (see below)
- High temperature, flameproof plastic enclosure, 60°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.
- 347V Model: Protection for LED drivers capable of operating at 347V nominal input voltage or with universal input range of 277V through 347V.
- 277V Model: Protection for LED drivers capable of operating at 277V input voltage or with universal input range of 120V through 277V.
- 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.



Model	Mains Voltage	Continuous Max Voltage Rating		Measured Limiting Voltage Mode: (MLV)	Nominal Current (In)	Max Clamping Voltage 8/20 µS @ 10kA	ULI449	UL935/UL1029
		AC	DC					
BSP3-120 (LC)	120V	150	200	L-N: 610V L-G: 610V N-G: 610V	3	600		•
BSP3-208-240 (LC)	240V	275	350	L-N: 1050V L-G: 1050V N-G: 1050V	3	1000		•
BSP3-277 (LC)	277V	320	420	L-N: 1140V L-G: 1140V N-G: 1140V	3	1500	•	•
BSP3-347 (LC)	347V	420	560	L-N: 1250V L-G: 1250V N-G: 1250V	3	1900		•
BSP3-480 (LC)	480V	550	715	L-N: 1950V L-G: 1950V N-G: 1950V	3	2500	•	•

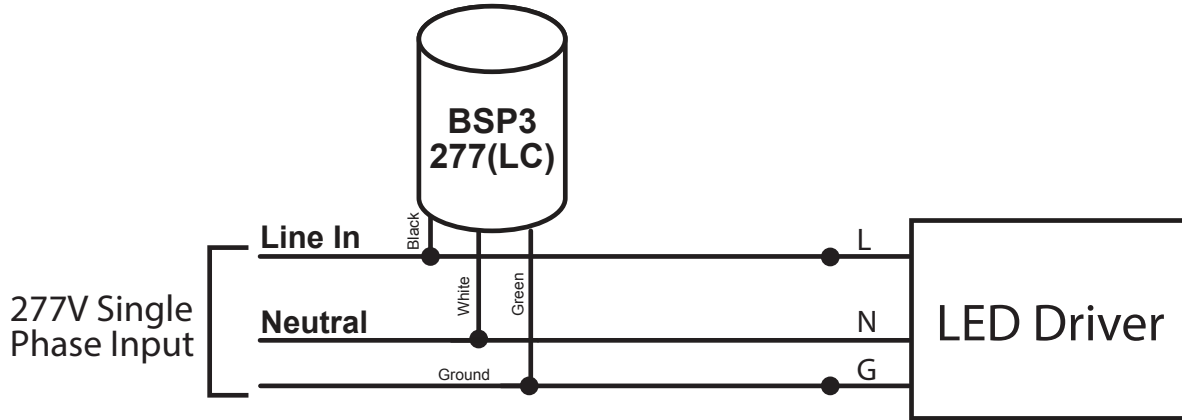
Note: While the standard BSP3-277 is Recognized to ULI 449, the BSP3-277(LC) is not



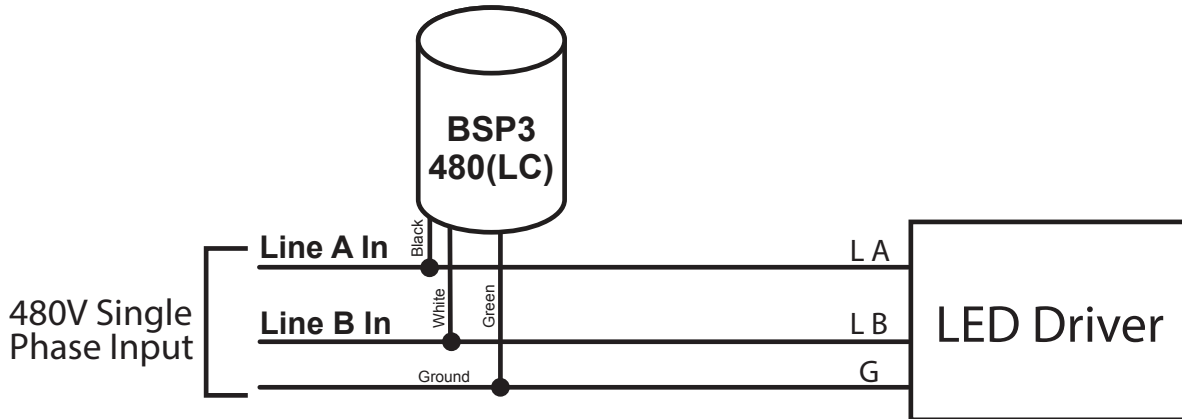
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**Wiring**

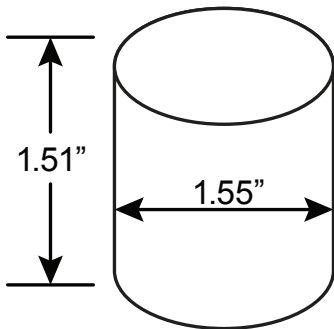


BSP3 and driver voltage must match input voltage



A single phase input from a 3-phase system uses only 2 phase line connections (A-B, B-L or C-A)

**Dimensions**



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

Pulse rating (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

