SL RUNNING BOARD LIGHT

ESLRL1511(x) - SIDELINE 15" LED Surface Mount Running Light
ESLRL5014(x) - SIDELINE 50" LED Surface Mount Running Light
ESLRL6115(x) - SIDELINE 61" LED Surface Mount Running Light
ESLRL7316(x) - SIDELINE 72" LED Surface Mount Running Light

VEHICLE SPECIFIC BRACKET KITS (SOLD SEPARATELY):

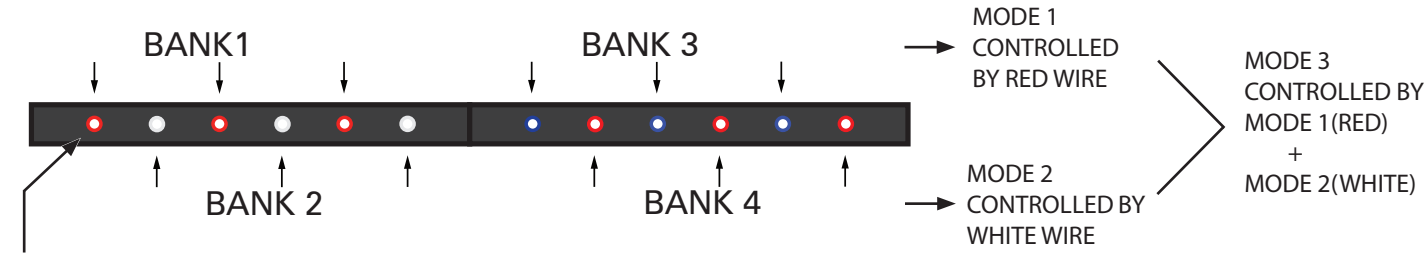
PSLVBK01 - Bracket Kit, SL Ford Explorer
PSLVBK02 - Bracket Kit, SL Ford F150*
PSLVBK03 - Bracket Kit, SL Chevy Tahoe
PSLVBK04 - Bracket Kit, SL Dodge Durango
PSLVBK05 - Bracket Kit, SL Universal
PSLVBK06 - Bracket Kit, SL Ford F150**

FORD F150 RUNNING BOARD COMPATIBILITY:

We offer two different bracket kits for the Ford F150 that are compatible with different running boards. Check the lists below to find the bracket kit compatible with your F150.

*PSLVBK02 - Bracket Kit, SL Ford F150:
- 6" Extended Chrome Running Boards
- 6" Extended Dark Grey Accent Running Boards
- Cast- Aluminum Running boards

**PSLVBK06 - Bracket Kit, SL Ford F150:
- Black Platform Running Boards
- Accent-Color Angular Step Bar
- Chrome Angular Step Bar
- Stone Gray Angular Step Bar
- Chrome Step Bars
- Accent-Color Step Bars



*MODULE LEDS (12 LEDS PER MODULE)

*TO USE WITH BLUEPRINT® CONNECT GREEN WIRE TO GROUND

INSTALLATION:

1. Establish a position on the bottom of the running board on the left or right side of your vehicle.
2. Evenly space brackets across the entire SL Running Board Light.
3. Use a 5/16" diameter drill for the wire holes.
4. Size pilot holes for mounting screws appropriately.
5. Fasten light using mounting screws.

NOTE: USE VEHICLE SPECIFIC BRACKET INSTRUCTION SHEET FOR DETAILED INSTALLATION INSTRUCTIONS

WIRE HOOK-UP TABLE	
WIRE COLOR	CONNECT TO
RED	+VDC FOR MODE 1
BLACK	GROUND (-)
BLUE	PATTERN SELECT (-)
GREEN	STEADY BURN (+) / REMOTE MODE (-)
YELLOW	PATTERN SYNC
WHITE	+VDC FOR MODE 2 (DUAL ONLY)
RED + WHITE	+VDC FOR MODE 3 (DUAL ONLY)

TECH SPECS: SL RUNNING BOARD LIGHT	
Flash Patterns:	(Up to 69) Flash Patterns
Light Sync:	Yes
Mounting:	Vehicle Specific Bracket
Input Voltage:	10 - 30 Vdc
Dimensions:	Width x Height x Depth 15" W x 1.05" H x .75" D 50" W x 1.05" H x .75" D 61" W x 1.05" H x .75" D 72" W x 1.05" H x .75" D
Operating Temp.:	-30° to + 50° C
Amp Draw:	1 Module (15") : 0.8Amps Max 4 Modules (50") : 3.2Amps Max 5 Modules (61") : 4.0Amps Max 6 Modules (72") : 4.8Amps Max
Waterproof:	IP67

*Hardware quantities may vary depending on length

⚠ WARNING

- HIGH CURRENT interconnects must be properly terminated. Poor crimp quality can cause heat build-up and fire. Follow crimp connector manufacturer instructions.
- DO NOT install this product or route any wires in the Air Bag Deployment Zone. Refer to vehicle Owner's Manual for deployment zones.
- Do NOT use system to disconnect headlights, brake lights or other safety equipment.
- Unit may become hot to touch during normal operation.
- Failure to properly install connectors, fuses or wiring may cause vehicle failure or fire.
- Installation must only be performed by trained technician. Installer must determine vehicle wiring configuration and proper integration of system.
- Use proper wire gauge. All power wires connecting to positive (+) or negative (-) battery terminal or local chassis ground (-) must be sized to supply at least 125% of max. current and properly fused at power source.
- Install protective grommets when routing wire through firewall or metal.

NOTICE:

Installers and users must comply with all applicable federal, state and local laws regarding use and installation of warning devices.
Improper use or installation may void warranty coverage.
*To review our Limited Warranty Statement & Return Policy for this or any SoundOff Signal product, visit our website at **www.soundoffsignal.com/tech-services/returns/**.*
*If you have questions regarding this product, contact **Technical Services**, Monday - Friday, 8 a.m. to 5 p.m. or after hours 5 p.m. to 8 p.m. ET at **1.800.338.7337** (press #4).*
*Questions or comments that do not require immediate attention may be emailed to **techservices@soundoffsignal.com.***

SL RUNNING BOARD LIGHT

NOTE: SL Running Board Light is NOT Sync2 compatible

PATTERN SELECT:

- Apply BLUE wire to negative to switch flash pattern
- Less than 1 second: Next Pattern
- Between 1-3 seconds: Previous Pattern
- Between 3-5 seconds: Factory Default Pattern
- More than 5 seconds: Last Pattern

SETTING SYNCHRONIZATION:

- Set all lights to same Flash Pattern,then connect the YELLOW wire from all lights together for synchronization.
- Maximum of 8 running lights can be synchronized.

PHASE OPERATION:

NOTE: This is for changing simultaneous / alternating phases when sync'ing more than one light product together.

- Phase 1 (Ph1) flashes simultaneously with Phase 1 (Ph1).
- Phase 2 (Ph2) flashes simultaneously with Phase 2 (Ph2).
- Phase 1 (Ph1) flashes alternates with Phase 2 (Ph2).

Single Bank	Dual / Tri Bank			Pattern	Sync
	Mode 1 RED Wire	Mode 2 WHITE Wire	Mode 2 RED+WHITE Wire		
1				Single 75FPM Ph1 Bank 1~4 Syn.	Yes
2				Single 75FPM Ph2 Bank 1~4 Syn.	Yes
3			1	Single 75FPM Ph1 (Bank 1 Syn. Bank 3) Alt. (Bank 2 Syn. Bank 4)	Yes
4			2	Single 75FPM Ph2 (Bank 1 Syn. Bank 3) Alt. (Bank 2 Syn. Bank 4)	Yes
5	1		3	Single 75FPM Ph1 Bank 1 Syn. Bank 3	Yes
6	2		4	Single 75FPM Ph2 Bank 1 Syn. Bank 3	Yes
	3			Single 75FPM Ph1 Bank 1 Alt. Bank 3	Yes
	4			Single 75FPM Ph2 Bank 1 Alt. Bank 3	Yes
			5	Single 75FPM Ph1 Bank 1 Alt. Bank 4	Yes
			6	Single 75FPM Ph2 Bank 1 Alt. Bank 4	Yes
7		1	7	Single 75FPM Ph1 Bank 2 Syn. Bank 4	Yes
8		2	8	Single 75FPM Ph2 Bank 2 Syn. Bank 4	Yes
		3		Single 75FPM Ph1 Bank 2 Alt. Bank 4	Yes
		4		Single 75FPM Ph2 Bank 2 Alt. Bank 4	Yes
9			9	Single 75FPM (Bank 1 Alt. Bank 3) Alt. (Bank 2 Alt. Bank 4)	Yes
10				Double 75FPM Ph1 Bank 1~4 Syn.	Yes
11				Double 75FPM Ph2 Bank 1~4 Syn.	Yes
12			10	Double 75FPM Ph1 (Bank 1 Syn. Bank 3) Alt. (Bank 2 Syn. Bank 4)	Yes
13			11	Double 75FPM Ph2 (Bank 1 Syn. Bank 3) Alt. (Bank 2 Syn. Bank 4)	Yes
14	5		12	Double 75FPM Ph1 Bank 1 Syn. Bank 3	Yes
15	6		13	Double 75FPM Ph2 Bank 1 Syn. Bank 3	Yes
	7			Double 75FPM Ph1 Bank 1 Alt. Bank 3	Yes
	8			Double 75FPM Ph2 Bank 1 Alt. Bank 3	Yes
			14	Double 75FPM Ph1 Bank 1 Alt. Bank 4	Yes
			15	Double 75FPM Ph2 Bank 1 Alt. Bank 4	Yes
16		5	16	Double 75FPM Ph1 Bank 2 Syn. Bank 4	Yes
17		6	17	Double 75FPM Ph2 Bank 2 Syn. Bank 4	Yes
		7		Double 75FPM Ph1 Bank 2 Alt. Bank 4	Yes
		8		Double 75FPM Ph2 Bank 2 Alt. Bank 4	Yes
18			18	Double 75FPM (Bank 1 Alt. Bank 3) Alt. (Bank 2 Alt. Bank 4)	Yes
19				Triple 75FPM Ph1 Bank 1~4 Syn.	Yes
20				Triple 75FPM Ph2 Bank 1~4 Syn.	Yes
21			19	Triple 75FPM Ph1 (Bank 1 Syn. Bank 3) Alt. (Bank 2 Syn. Bank 4)	Yes
22			20	Triple 75FPM Ph2 (Bank 1 Syn. Bank 3) Alt. (Bank 2 Syn. Bank 4)	Yes
23	9		21	Triple 75FPM Ph1 Bank 1 Syn. Bank 3	Yes
24	10		22	Triple 75FPM Ph2 Bank 1 Syn. Bank 3	Yes
	11			Triple 75FPM Ph1 Bank 1 Alt. Bank 3	Yes
	12			Triple 75FPM Ph2 Bank 1 Alt. Bank 3	Yes
			23	Triple 75FPM Ph1 Bank 1 Alt. Bank 4	Yes
			24	Triple 75FPM Ph2 Bank 1 Alt. Bank 4	Yes
25		9	25	Triple 75FPM Ph1 Bank 2 Syn. Bank 4	Yes
26		10	26	Triple 75FPM Ph2 Bank 2 Syn. Bank 4	Yes
		11		Triple 75FPM Ph1 Bank 2 Alt. Bank 4	Yes
		12		Triple 75FPM Ph2 Bank 2 Alt. Bank 4	Yes
27			27	Triple 75FPM (Bank 1 Alt. Bank 3) Alt. (Bank 2 Alt. Bank 4)	Yes
28				Quad 75FPM Ph1 Bank 1~4 Syn.	Yes
29				Quad 75FPM Ph2 Bank 1~4 Syn.	Yes
30			28	Quad 75FPM Ph1 (Bank 1 Syn. Bank 3) Alt. (Bank 2 Syn. Bank 4)	Yes
31			29	Quad 75FPM Ph2 (Bank 1 Syn. Bank 3) Alt. (Bank 2 Syn. Bank 4)	Yes
32	13		30	Quad 75FPM Ph1 Bank 1 Syn. Bank 3	Yes
33	14		31	Quad 75FPM Ph2 Bank 1 Syn. Bank 3	Yes
	15			Quad 75FPM Ph1 Bank 1 Alt. Bank 3	Yes
	16			Quad 75FPM Ph2 Bank 1 Alt. Bank 3	Yes
			32	Quad 75FPM Ph1 Bank 1 Alt. Bank 4	Yes
			33	Quad 75FPM Ph2 Bank 1 Alt. Bank 4	Yes
34		13	34	Quad 75FPM Ph1 Bank 2 Syn. Bank 4	Yes
35		14	35	Quad 75FPM Ph2 Bank 2 Syn. Bank 4	Yes
		15		Quad 75FPM Ph1 Bank 2 Alt. Bank 4	Yes
		16		Quad 75FPM Ph2 Bank 2 Alt. Bank 4	Yes
36			36	Quad 75FPM (Bank 1 Alt. Bank 3) Alt. (Bank 2 Alt. Bank 4)	Yes

Solid Bank	DualColor			Pattern	Sync
	Mode1	Mode2	Mode3		
37				Double 120FPM Ph1 Bank 1~4 Syn.	Yes
38				Double 120FPM Ph2 Bank 1~4 Syn.	Yes
39			37	Double 120FPM Ph1 (Bank 1 Syn. Bank 3) Alt. (Bank 2 Syn. Bank 4)	Yes
40			38	Double 120FPM Ph2 (Bank 1 Syn. Bank 3) Alt. (Bank 2 Syn. Bank 4)	Yes
41	17		39	Double 120FPM Ph1 Bank 1 Syn. Bank 3	Yes
42	18		40	Double 120FPM Ph2 Bank 1 Syn. Bank 3	Yes
	19			Double 120FPM Ph1 Bank 1 Alt. Bank 3	Yes
	20			Double 120FPM Ph2 Bank 1 Alt. Bank 3	Yes
			41	Double 120FPM Ph1 Bank 1 Alt. Bank 4	Yes
			42	Double 120FPM Ph2 Bank 1 Alt. Bank 4	Yes
43		17	43	Double 120FPM Ph1 Bank 2 Syn. Bank 4	Yes
44		18	44	Double 120FPM Ph2 Bank 2 Syn. Bank 4	Yes
		19		Double 120FPM Ph1 Bank 2 Alt. Bank 4	Yes
		20		Double 120FPM Ph2 Bank 2 Alt. Bank 4	Yes
45			45	Double 120FPM (Bank 1 Alt. Bank 3) Alt. (Bank 2 Alt. Bank 4)	Yes
46				Quad 120FPM Ph1 Bank 1~4 Syn.	Yes
47				Quad 120FPM Ph2 Bank 1~4 Syn.	Yes
48			46	Quad 120FPM Ph1 (Bank 1 Syn. Bank 3) Alt. (Bank 2 Syn. Bank 4)	Yes
49			47	Quad 120FPM Ph2 (Bank 1 Syn. Bank 3) Alt. (Bank 2 Syn. Bank 4)	Yes
50	21		48	Quad 120FPM Ph1 Bank 1 Syn. Bank 3	Yes
51	22		49	Quad 120FPM Ph2 Bank 1 Syn. Bank 3	Yes
	23			Quad 120FPM Ph1 Bank 1 Alt. Bank 3	Yes
	24			Quad 120FPM Ph2 Bank 1 Alt. Bank 3	Yes
			50	Quad 120FPM Ph1 Bank 1 Alt. Bank 4	Yes
			51	Quad 120FPM Ph2 Bank 1 Alt. Bank 4	Yes
52		21	52	Quad 120FPM Ph1 Bank 2 Syn. Bank 4	Yes
53		22	53	Quad 120FPM Ph2 Bank 2 Syn. Bank 4	Yes
		23		Quad 120FPM Ph1 Bank 2 Alt. Bank 4	Yes
		24		Quad 120FPM Ph2 Bank 2 Alt. Bank 4	Yes
54			54	Quad 120FPM (Bank 1 Alt. Bank 3) Alt. (Bank 2 Alt. Bank 4)	Yes
55				Single 375FPM Ph1 Bank 1~4 Syn.	Yes
56				Single 375FPM Ph2 Bank 1~4 Syn.	Yes
57			55	Single 375FPM Ph1 (Bank 1 Syn. Bank 3) Alt. (Bank 2 Syn. Bank 4)	Yes
58			56	Single 375FPM Ph2 (Bank 1 Syn. Bank 3) Alt. (Bank 2 Syn. Bank 4)	Yes
59	25		57	Single 375FPM Ph1 Bank 1 Syn. Bank 3	Yes
60	26		58	Single 375FPM Ph2 Bank 1 Syn. Bank 3	Yes
	27			Single 375FPM Ph1 Bank 1 Alt. Bank 3	Yes
	28			Single 375FPM Ph2 Bank 1 Alt. Bank 3	Yes
			59	Single 375FPM Ph1 Bank 1 Alt. Bank 4	Yes
			60	Single 375FPM Ph2 Bank 1 Alt. Bank 4	Yes
61		25	61	Single 375FPM Ph1 Bank 2 Syn. Bank 4	Yes
62		26	62	Single 375FPM Ph2 Bank 2 Syn. Bank 4	Yes
		27		Single 375FPM Ph1 Bank 2 Alt. Bank 4	Yes
		28		Single 375FPM Ph2 Bank 2 Alt. Bank 4	Yes
63			63	Single 375FPM (Bank 1 Alt. Bank 3) Alt. (Bank 2 Alt. Bank 4)	Yes
64			64	Modulation (Bank 1 Syn. Bank 3) Alt. (Bank 2 Syn. Bank 4)	No
65			65	2 Double, 2 Quad, (Bank 1 Syn. Bank 3) Alt. (Bank 2 Syn. Bank 4)	No
66			66	4 Single, 2 Triple, (Bank 1 Syn. Bank 3) Alt. (Bank 2 Syn. Bank 4)	No
67			67	1 Single, 1 Triple, 1 Quad, (Bank 1 Syn. Bank 3) Alt. (Bank 2 Syn. Bank 4)	No
68	29		68	Steady Burn Bank 1 Syn. Bank 3	No
		29	69	Steady Burn Bank 2 Syn. Bank 4	No
69				Steady Burn Bank 1~4 Syn.	No

*A SL Running Board Light will not sync with bluePRINT® flash patterens

**A SL Running Board Light has 1,4, 5 or 6 segments, depending on length. These segments alternate flashing patterns 1-8 (odd segments flashing together & even segments flashing together.)

⚠ WARNING

This product contains high intensity LED devices.To prevent eye damage, DO NO T stare into the light beam at close range.

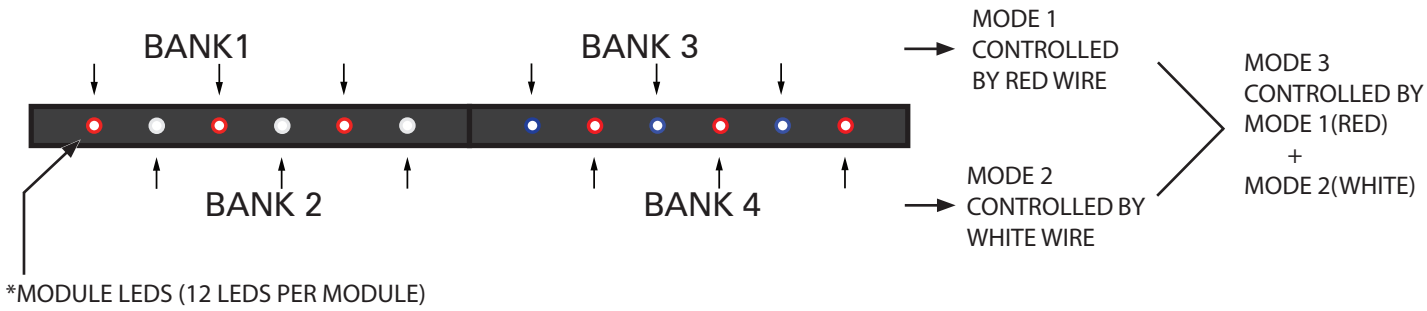
SL RUNNING BOARD LIGHT

ELECTRICAL INSTRUCTIONS

REMOTE MODE: FOR USE WITH bluePRINT SYSTEM ONLY

- Connecting the Green wire to ground before applying power to the Red or White wires will place the SL Running Board Light into remote mode and the light output color will be directly controlled by the input wires as shown below
  NOTE: Blue and Yellow wites are not uesd in Remote Mode.

- For Cruise mode or Low Power control of the SL Running Board Light, the signal to the control wires must be 100 +/- 2Hz using the duty cycle inputs listed below to produce the light output.



SL Running Board Light Bank Contol to LED Color Matrix				
	Bank 1	Bank 2	Bank 3	Bank 4
Single Color:	Color 1	No Place	Color 1	No Place
Dual Color:	Color 1	Color 2	Color 1	Color 2
Tri-Color:	Color 2	Color 3	Color 2	Color 3

SL Running Light Compatibility Mode Functionality				
Red Wire	White Wire	Single Color	Dual Color	Tri-Color
Steady ON	-	Steady ON Bank 1 & 3	Steady ON Bank 1 & 3	Steady ON Bank 1
-	Steady ON	-	Steady ON Bank 2 & 4	Steady ON Bank 3
Steady ON	Steady ON	Steady ON Bank 1 & 3	Steady ON Bank 2 & 4	Steady ON Bank 2 & 4
Flash	-	Flash Bank 1 & 3	Flash Bank 1 & 3	Flash Bank 1
-	Flash	-	Flash Bank 2 & 4	Flash Bank 3
Flash	Flash	Flash Bank 1 & 3	Flash Bank 2 & 4	Flash Bank 2 & 4
Cruise	-	Cruise Bank 1 & 3	Cruise Bank 1 & 3	Cruise Bank 1
-	Cruise	-	Cruise Bank 2 & 4	Cruise Bank 3
Cruise	Cruise	Cruise Bank 1 & 3	Cruise Bank 2 & 4	Cruise Bank 2 & 4

Cruise Mode Duty Cycle (@100Hz)	
BP Output to Light Power Wire	Light Output
40%	OFF
50%	5%
60%	10%

Low Power Flash Duty Cycle (@100Hz	
BP Output to Light Power Wire	Light Output
70%	30%
80%	40%
90%	50%