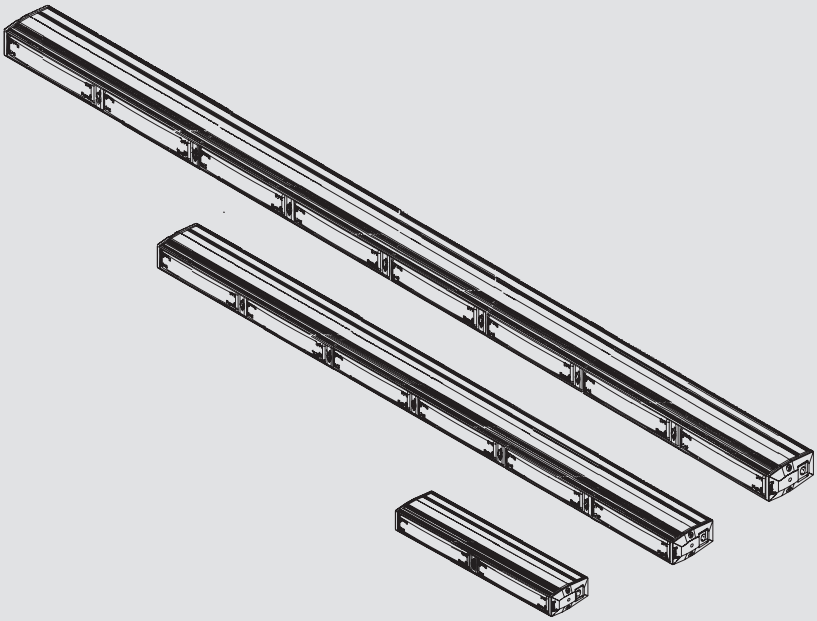
Fusion Stick Light- Instruction Manual

V.1



FUSION

Model # - F-12013, F-22013, D-50115, D-50215, D-50415, D-50615, D-50815, D-51015

This instruction manual serves as a guide for the **Fusion Series**.

IMPORTANT! Please read through all provided instructions and any listed warnings in regards to product use.

MADE IN THE USA

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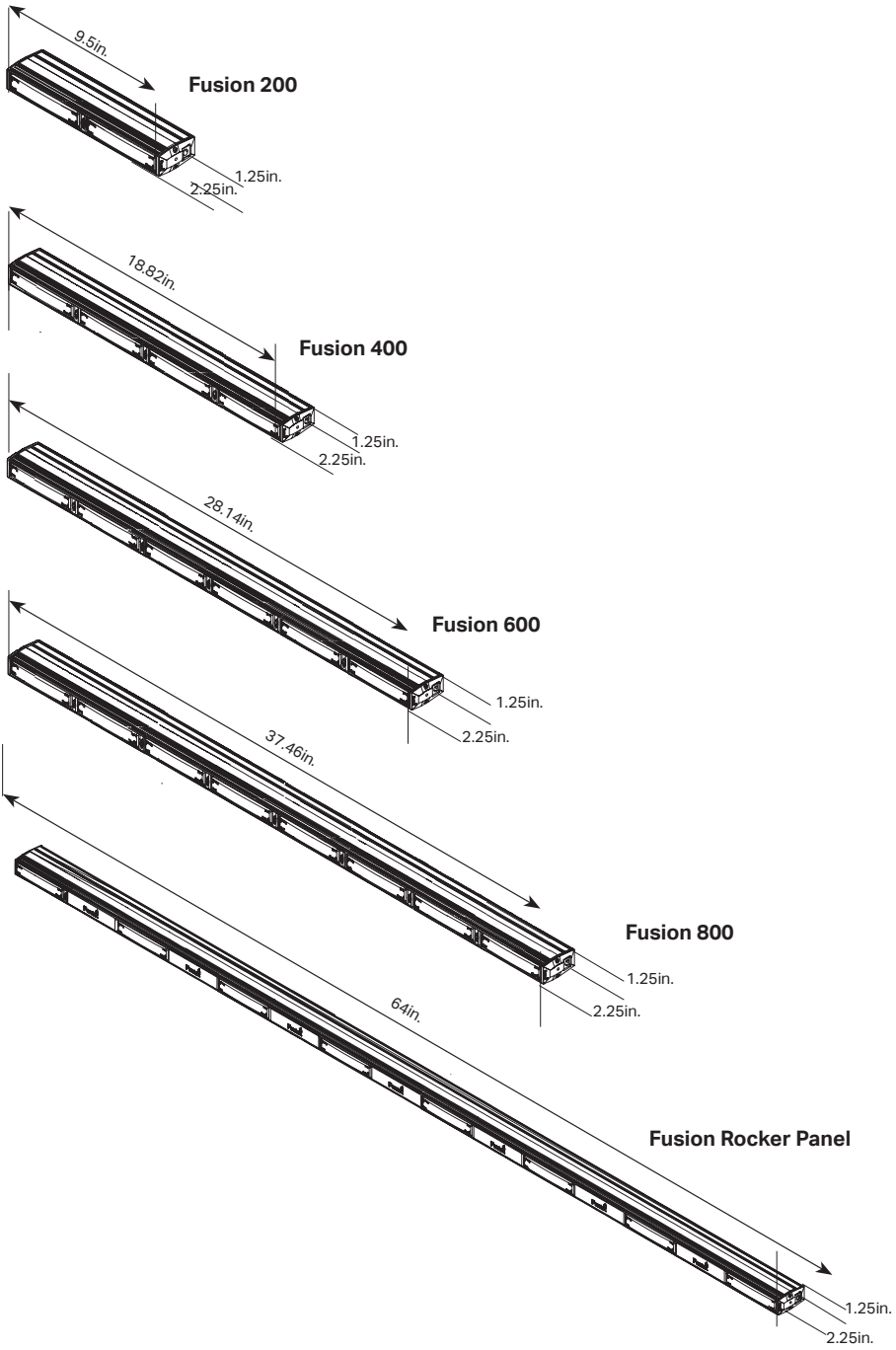
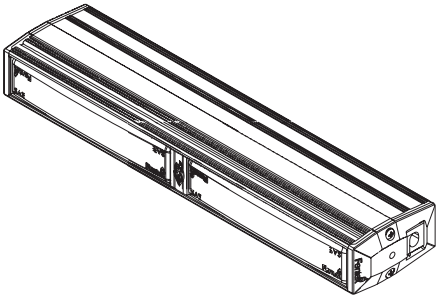

9.5in.
Fusion 200
1.25in.
2.25in.
18.82in.
Fusion 400
1.25in.
2.25in.
28.14in.
Fusion 600
1.25in.
2.25in.
37.46in.
Fusion 800
1.25in.
2.25in.
64in.
Fusion Rocker Panel
1.25in.
2.25in.

Fusion 200 Wiring

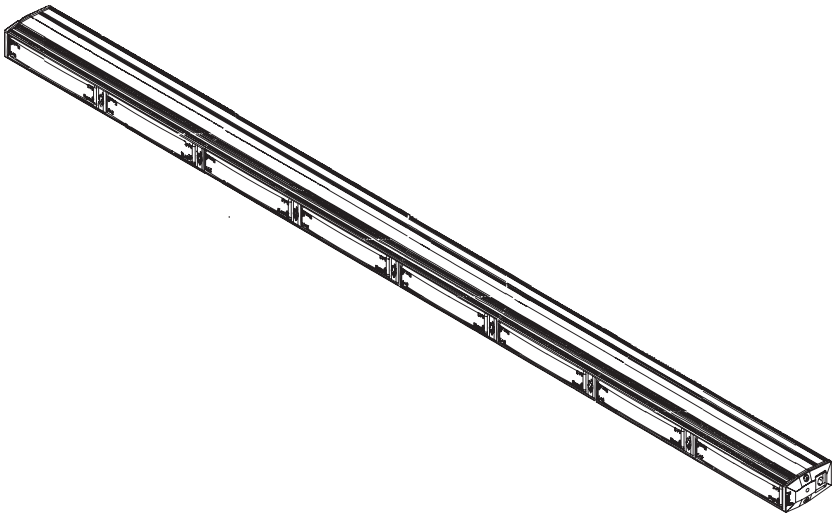


Fusion 200 System Specification

Wire Color:	Function:
Black	12V (-)
Red	12V (+) Mode 1
Blue	Pattern/Sync
Yellow	Mode 2

Please Note! *The Fusion 200 features four wires: Red [12V+], Black [12V-], White [12V+], and Green [Flash Pattern Changer]. To change patterns, momentarily connect the green wire to the activated Black [12V-] wire. Note that Mode 2 will override Mode 1.*

Fusion 400, 600 & 800, Rocker Panel Wiring



Fusion 400, 600, 800 & Rocker Panel Wiring Diagram

Wire Color:	Single Color:	Dual Color:
Black	12V (-)	12V (-)
Red	12V (+)	12V (+)
White	Takedown	Takedown/Flood
Yellow	Flash Mode	Flash Mode
Green	Takedown Flashing*	Mode Two
Blue	Left Arrow	Left Arrow
Brown	Lightbar On	Mode One
Gray	Right Arrow	Right Arrow
Blue/Gray	Center Out	Center Out

***Please Note!** These modes only function when the unit has takedowns in the assembly.*

Step 1: In order to power the unit, extend the red, 12V(+) wire to the 12V(+) post of the vehicle's battery. Extend the black 12V(-) wire to the ground post of the vehicle's battery.

Step 2: To turn the lightstick on, connect the brown wire to a 12V(+) source.

Step 3: Momentarily connect the yellow wire on a 12V(+) source to change flash patterns.

Step 4: For left arrow function, connect the blue wire to a 12V(+) post (switch). There are 2 different left arrow flash patterns. To select a pattern, engage the blue wire to a 12V(+) source and momentarily connect the yellow wire on a 12V(+) source to select the desired pattern.

Step 5: For right arrow function, connect the gray wire to a 12V(+) post (switch). There are 2 different right arrow flash patterns. To select a pattern, engage the gray wire a 12V(+) source and momentarily connect the yellow wire on a 12V(+) source to select the desired pattern.

Step 6: In order to achieve a center out directional pattern, connect both the gray and blue wires to a 12V(+) post (switch). There are 2 different center out flash patterns. To select a pattern, engage the blue and gray wire to a 12V(+) source and momentarily connect the yellow wire on a 12V(+) source to select the desired pattern.

Step 7: For takedown steady functionality, connect the white wire to a 12V(+) post (switch).

Step 8: For takedown flashing, connect the green wire to a 12V+ (post). Please note that for dual color bars, the green wire will activate mode 2, unless otherwise programmed.

Important Note! *Takedown steady overrides takedown flashing*

Activate Takedown Flashing for Dual Color:

Step 1: Connect the black wire to the battery's 12V(-) ground.

Step 2: Select the wire that will be set as the takedown flashing mode wire, either the green or brown wire.

Step 3: Twist the selected mode (green or brown), red, white, and yellow wires together.

Step 4: Power the lightbar on by connecting the twisted wires to the battery's positive (+). Once activated, the takedown steady function will engage. To verify takedowns are flashing, disconnect Takedown Steady (white) wire from power.

Step 5: Repeat steps 1 through 3 to deactivate Takedown Flashing.

Flash Patterns

The flash patterns are listed in consecutive order of appearance. To select a certain flash pattern, start with a recognizable pattern and use the blue wire to cycle through patterns.

Flash Patterns Single Color:
Fusion 400, 600, 800 & Rocker Panel

1. Cluster
2. Attack
3. Night Rode
4. Combo Slow-Fast
5. Combo Slow
6. Combo Fast
7. Half Half Slow
8. Half Half Fast
9. One One Slow
10. One One Fast
11. Two Two Slow
12. Two Two Fast
13. All On Slow
14. All On Fast
15. In Out Slow
16. In Out Fast
17. Left Arrow Slow
18. Left Arrow Medium
19. Left Arrow Fast
20. Right Arrow Slow
21. Right Arrow Medium
22. Right Arrow Fast
23. Center Out Slow
24. Center Out Medium
25. Center Out Fast

Flash Patterns Dual Color:
Fusion 200, 400, 600, 800 & Rocker Panel

1. Color 1-Cluster
2. Color 1-Attack
3. Color 1-Night Ride
4. Color 1-Combo Slow-Fast
5. Color 1-Combo Slow
6. Color 1-Combo Fast
7. Color 1-Half Half Slow
8. Color 1-Half Half Fast
9. Color 1-One One Slow
10. Color 1-One One Fast
11. Color 1-Two Two Slow
12. Color 1-Two Two Fast
13. Color 1-All On Slow
14. Color 1-All On Fast
15. Color 1-In Out Slow
16. Color 1-In Out Fast
17. Color 1-Left Arrow Slow
18. Color 1-Left Arrow Medium
19. Color 1-Left Arrow Fast
20. Color 1-Right Arrow Slow
21. Color 1-Right Arrow Medium
22. Color 1-Right Arrow Fast
23. Color 1-Center Out Slow
24. Color 1-Center Out Medium
25. Color 1-Center Out Fast
26. Color 2-Cluster
27. Color 2-Attack
28. Color 2-Night Ride
29. Color 2-Combo Slow-Fast
30. Color 2-Combo Slow
31. Color 2-Combo Fast
32. Color 2-Half Half Slow

Flash Patterns Dual Color:
Fusion 200, 400, 600, 800 & Rocker Panel

33.	Color 2-Half Half Fast
34.	Color 2-One One Slow
35.	Color 2-One One Fast
36.	Color 2-Two Two Slow
37.	Color 2-Two Two Fast
38.	Color 2-All On Slow
39.	Color 2-All On Fast
40.	Color 2-In Out Slow
41.	Color 2-In Out Fast
42.	Color 2-Left Arrow Slow
43.	Color 2-Left Arrow Medium
44.	Color 2-Left Arrow Fast
45.	Color 2-Right Arrow Slow
46.	Color 2-Right Arrow Medium
47.	Color 2-Right Arrow Fast
48.	Color 2-Center Out Slow
49.	Color 2-Center Out Medium
50.	Color 2-Center Out Fast
51.	Color 1&2-Cluster
52.	Color 1&2-Attack
53.	Color 1&2-Night Ride
54.	Color 1&2-Combo Slow-Fast
55.	Color 1&2-Combo Slow
56.	Color 1&2-Combo Fast
57.	Color 1&2-Half Half Slow
58.	Color 1&2-Half Half Fast
59.	Color 1&2-One One Slow
60.	Color 1&2-One One Fast
61.	Color 1&2-Two Two Slow
62.	Color 1&2-Two Two Fast
63.	Color 1&2-All On Slow
64.	Color 1&2-All On Fast

Flash Patterns Dual Color:
Fusion 200, 400, 600, 800 & Rocker Panel

65.	Color 1&2-In Out Slow
66.	Color 1&2-In Out Fast
67.	Color 1&2-Left Arrow Slow
68.	Color 1&2-Left Arrow Medium
69.	Color 1&2-Left Arrow Fast
70.	Color 1&2-Right Arrow Slow
71.	Color 1&2-Right Arrow Medium
72.	Color 1&2-Right Arrow Fast
73.	Color 1&2-Center Out Slow
74.	Color 1&2-Center Out Medium
75.	Color 1&2-Center Out Fast

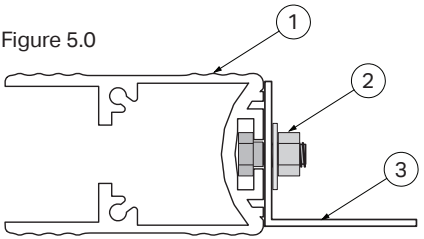
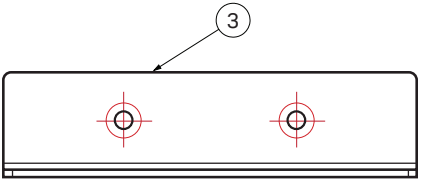
Step 1: To mount to bracketry, remove the flat endcap and slide in provided bolts in the back of the frame. Screw the flat endcap back into the aluminum extrusion with the original screws and attach bolts and nuts with the brackets.

Step 2: Mark the areas where the mounting holes will be drilled. If mounting surface is part of the vehicle, make sure no vital components could be damaged by the drilling process.

Step 3: Drill two mounting holes in the marked surface. If wires need to pass through vehicle, drill a 0.5" diameter hole for wire passage. Make sure to deburr holes thoroughly.

Step 4: Pass the wires through the 0.5" diameter hole, and secure the lighthead to the mounting surface with the provided hardware.

Figure 5.0



Item #:	Description:
1.	Cobra Extrusion
2.	Mounting Hardware
3.	Mounting Bracket