



**⚠ WARNING**  
 This product contains high intensity LED devices.  
 To prevent eye damage, DO NOT stare into light  
 beam at close range.

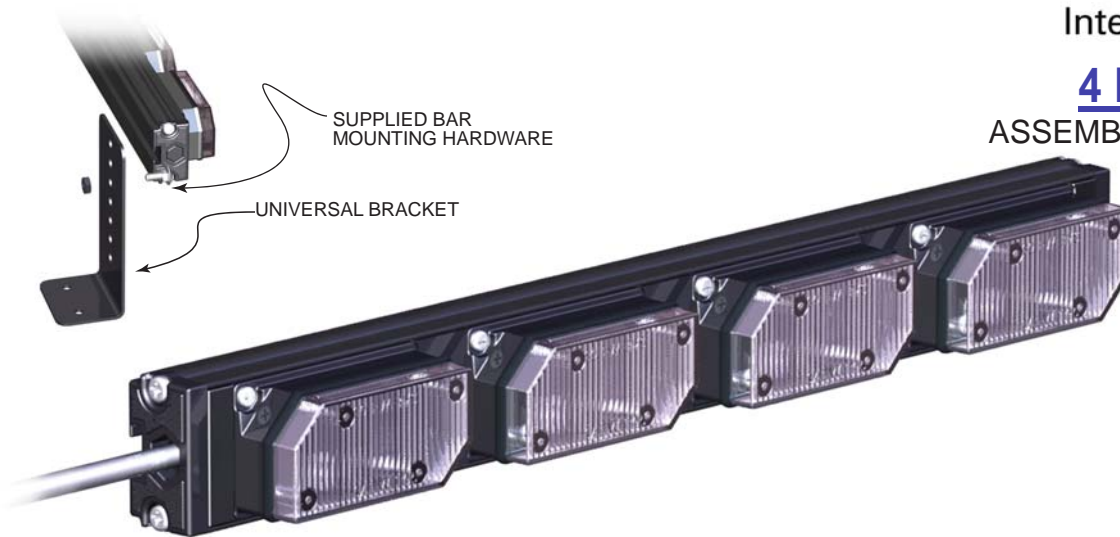


Interior Warning Bar

**4 MODULE BAR**

ASSEMBLY INSTRUCTIONS

EL3HØ4AØØ(x)



**WARNING:** Warning devices are strictly regulated and governed by Federal, State and Municipal ordinances. These devices shall be used ONLY on approved vehicles. It is the sole responsibility of the user of these devices to ensure compliance.

**MOUNTING INSTRUCTIONS**

Before starting the installation make certain you have the correct bracket for your application. A universal Deck/Dash mount bracket is supplied.

Install the UltraLITE by following the assembly instructions provided with the brackets and check for security.

Important: DO NOT over tighten mounting screws or nuts. This could cause permanent damage to the light or bracket. Use appropriate hardware for mounting.

Universal bracket shown is supplied but mounting screws are customer supplied.

**PATTERN SELECTION**

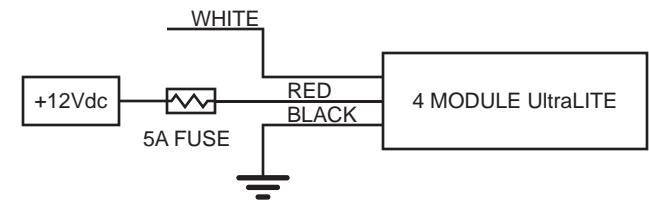
1. Connect black wire to ground.
2. Connect red wire to +12Vdc
3. Apply +12Vdc to white wire for less than one second (momentary) to move forward one pattern.
4. Apply +12Vdc to white wire for one second (until the lights dim) to move backwards one pattern
5. Apply +12Vdc to white wire for more than two seconds (until the lights turn off) to turn off the UltraLITE.
6. To turn the unit back on, apply +12Vdc to the white wire momentarily.

**FLASH PATTERNS**

#	Pattern Name	
1	Quint Flash	Alternating
2	Warp Flash	Alternating
3	Inter-cycle Flash	Alternating
4	Double Flash	Alternating
5	Quad Flash	Alternating
6	3 Flashes / Second	Alternating
7	3 Flashes / Second	Simultaneous
8	Q-Switch	Alternating
9	Driver Side	Steady Burn
	Passenger Side	Road Runner Flash
10	Driver Side	Steady Burn
	Passenger Side	Quint Flash
11	E-Pattern Single Flash	Alternating
12	E-Pattern Double Flash	Alternating
13	E-Pattern Single Flash	Simultaneous
14	E-Pattern Double Flash	Simultaneous
15	Q-Switch	Every other
16	LiteRyder	Slow Sweep
17	LiteRyder 2	Fast Sweep
18	Progressive	Alternating
19	Center	Steady Burn
	Ends	RoadRunner Flash - Alternating
20	Center	Steady Burn
	Ends	Intercycle - Alternating
21	Center	Steady Burn
	Ends	Q-Switch - Alternating

WIRE HOOK-UP TABLE	
Wire Color	Connect to:
Red	+12Vdc
Black	Ground (-)
White	Pattern Select

Input Voltage: 10-16Vdc  
 Current: 2 Amps Maximum





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Interior Warning Bar  
**8 MODULE BAR**  
 ASSEMBLY INSTRUCTIONS  
 EL3H08A00(x)

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**MOUNTING INSTRUCTIONS**

Before starting the installation make certain you have the correct bracket for your application. A universal Deck/Dash mount bracket is supplied.

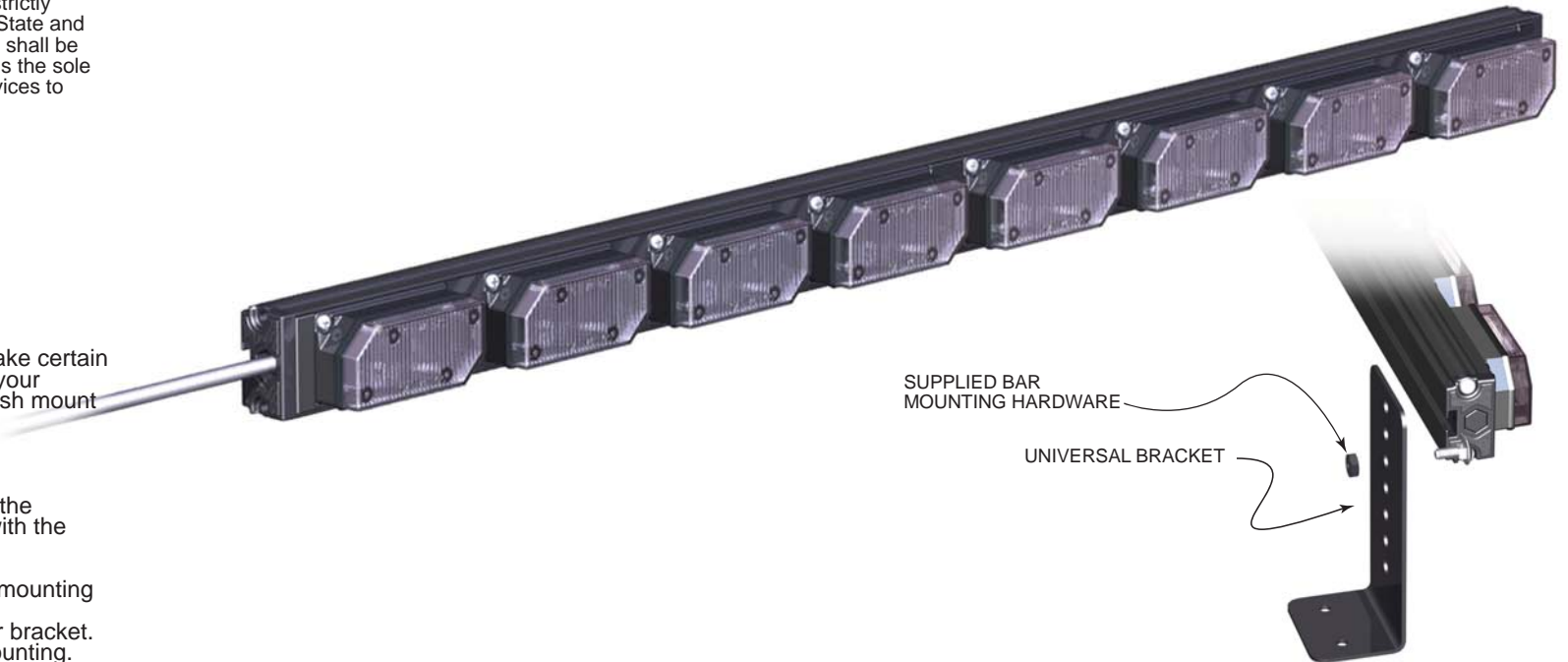
Install the UltraLITE by following the assembly instructions provided with the brackets and check for security.

Important: DO NOT over tighten mounting screws or nuts. This could cause permanent damage to the light or bracket. Use appropriate hardware for mounting.

Universal bracket shown is supplied but mounting screws are customer supplied.

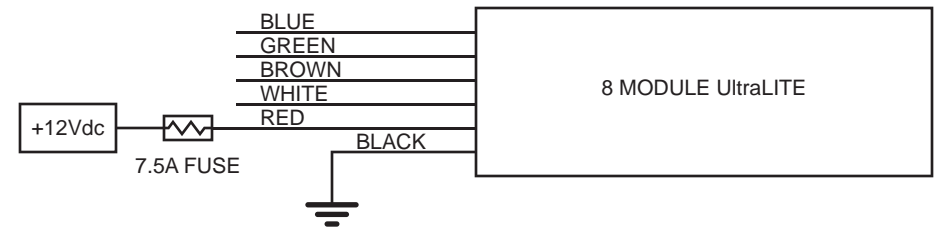
**PATTERN SELECTION**

Because of the variety of configuring options see separate sheets for detailed instructions



WIRE HOOK-UP TABLE	
Wire Color	Connect to:
Blue	Input 1 / Left Input
Green	Input 2 / Right Input
Brown	Input 3 / Warning Input
Red	+12Vdc
Black	Ground (-)
White	Pattern Select

Input Voltage: 10-16Vdc  
 Current: 4 Amps Maximum





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Interior Warning Bar  
**8 MODULE BAR**  
**FULL DIRECTIONAL ARROW**  
CONFIGURATION INSTRUCTIONS  
EL3HØ8AØØ(x)

**WARNING:** Warning devices are strictly regulated and governed by Federal, State and Municipal ordinances. These devices shall be used ONLY on approved vehicles. It is the sole responsibility of the user of these devices to ensure compliance.

**PATTERN SELECTION**

1. Connect BLACK wire to ground.
2. Connect RED wire to +12VDC.
3. Connect GREEN, BLUE and BROWN wires to +12VDC.
4. With power applied to the three wires, momentarily apply power to WHITE wire to change the directional arrow patterns.
5. While changing patterns, the UltraLITE will display the left arrow pattern.
6. When you have chosen the directional pattern, disconnect GREEN and BLUE wires from power.
7. With the BROWN wire hooked up to power, momentarily apply power to WHITE wire to change the arrow warning pattern.
8. When you have selected the arrow warning pattern, disconnect BROWN wire from power.
9. You are finished configuring the UltraLITE.



**ARROW PATTERNS**


1	Solid	Fast	High Power
2	Solid Plus	Fast	High Power
3	Sequential	Fast	High Power
4	Sequential2 (2 lights)	Fast	High Power
5	Chaser	Fast	High Power
6	Solid	Slow	High Power
7	Solid Plus	Slow	High Power
8	Sequential	Slow	High Power
9	Sequential2 (2 lights)	Slow	High Power
10	Chaser	Slow	High Power
11	Solid	Fast	Low Power
12	Solid Plus	Fast	Low Power
13	Sequential	Fast	Low Power
14	Sequential2 (2 lights)	Fast	Low Power
15	Chaser	Fast	Low Power
16	Solid	Slow	Low Power
17	Solid Plus	Slow	Low Power
18	Sequential	Slow	Low Power
19	Sequential2 (2 lights)	Slow	Low Power
20	Chaser	Slow	Low Power

**ARROW WARNING PATTERNS**

1	Double	Left and Right (Alternating)
2	Double	Every Other Module
3	Q-Switch	Left and Right (Alternating)
4	Q-Switch	Every Other (Alternating)
5	Power Pulse	Every Other (Alternating)
6	Power Pulse	Left and Right (Alternating)
7	Quad	Outer and Inner (Alternating)
8	Warp	Every Other (Alternating)
9	Crossfire	
10	HyperScan	
11	SuperScan	
12	Power Flash	

Alternating: 1,2,3,4 alternates with 5,6,7,8  
Every Other: 1,3,5,7 alternates with 2,4,6,8



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Interior Warning Bar  
**8 MODULE BAR**  
**DIRECTIONAL ARROW W/ WARNING TIPS**  
 CONFIGURATION INSTRUCTIONS  
 EL3HØ8A1Ø(x)

**WARNING:** Warning devices are strictly regulated and governed by Federal, State and Municipal ordinances. These devices shall be used ONLY on approved vehicles. It is the sole responsibility of the user of these devices to ensure compliance.

**PATTERN SELECTION**

1. Connect BLACK wire to ground.
2. Connect RED wire to +12VDC.
3. Connect GREEN and BLUE wires to +12VDC.
4. With power applied to the two wires momentarily apply power to WHITE wire to change the directional arrow patterns.
5. While changing patterns, the UltraLITE will display the left arrow pattern.
6. When you have chosen the directional arrow pattern, disconnect GREEN and BLUE wires from power.
7. Connect BROWN wire to +12VDC and momentarily apply +12VDC to WHITE wire to change the warning pattern displayed on the UltraLITE.
8. When you have selected the warning pattern for the UltraLITE, disconnect BROWN wire from power.
9. You are finished configuring the UltraLITE.



**ARROW PATTERNS for**

1	Solid	Fast	High Power
2	Solid Plus	Fast	High Power
3	Sequential	Fast	High Power
4	Sequential2 (2 lights)	Fast	High Power
5	Solid	Slow	High Power
6	Solid Plus	Slow	High Power
7	Sequential	Slow	High Power
8	Sequential2 (2 lights)	Slow	High Power
9	Solid	Fast	Low Power
10	Solid Plus	Fast	Low Power
11	Sequential	Fast	Low Power
12	Sequential2 (2 lights)	Fast	Low Power
13	Solid	Slow	Low Power
14	Solid Plus	Slow	Low Power
15	Sequential	Slow	Low Power
16	Sequential2 (2 lights)	Slow	Low Power

**SINGLE END MODULE WARNING PATTERNS**

1	Traffic Mover	Simultaneous
2	Q-Switch	Alternating
3	RoadRunner	Alternating
4	Power Pulse	Alternating
5	Progressive	Alternating

Simultaneous: 1 and 8 together  
 Alternating: 1 alternates with 8



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Interior Warning Bar  
**8 MODULE BAR**  
**4+4 SPLIT WARNING**  
 CONFIGURATION INSTRUCTIONS  
 EL3HØ8AØØ(x)

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**PATTERN SELECTION**

1. Connect BLACK wire to ground.
2. Connect RED wire to +12VDC power.
3. Connect BLUE wire to +12VDC power.
4. With power applied to BLUE wire, momentarily apply power to WHITE wire to move forward one warning pattern.
5. When you have chosen your first warning pattern, disconnect BLUE wire from power.
6. The pattern you have selected will always display on the UltraLITE when power is applied to the BLUE wire.
7. To setup your next warning pattern, connect GREEN wire to power.
8. With power applied to the GREEN wire, momentarily apply power to WHITE wire to move forward one warning pattern.
9. When you have chosen you second warning pattern, disconnect GREEN wire from power.
10. The pattern you have selected will always display on the UltraLITE when power is applied to the GREEN wire.
11. To setup the last warning pattern, connect BROWN wire to power.
12. With power applied to the BROWN wire, momentarily apply power to WHITE wire to move forward one warning pattern.
13. When you have chosen your third warning pattern disconnect BROWN wire from power.
14. The pattern you have selected will always be displayed on the UltraLITE when power is applied to the BROWN wire.
15. You are finished configuring the UltraLITE.

**FLASH PATTERNS**

1	Quint Flash	Alternating
2	Warp Flash	Alternating
3	Inter-cycle Flash	Alternating
4	Double Flash	Alternating
5	Quad Flash	Alternating
6	3 Flashes / Second	Alternating
7	3 Flashes / Second	Simultaneous
8	Q-Switch	Alternating
9	E-Pattern Single Flash	Alternating
10	E-Pattern Double Flash	Alternating
11	E-Pattern Single Flash	Simultaneous
14	E-Pattern Double Flash	Simultaneous
15	LiteRyder	Sweep
16	Inter-cycle Flash	Every Other Module
17	Double Flash	Every Other Module
18	Quad Flash	Every Other Module
19	Q-Switch	Every Other Module

Alternating: 1,2,3,4 alternates with 5,6,7,8  
 Simultaneous: All modules on at same time  
 Every Other: 1,3,5,7 alternates with 2,4,6,8





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Interior Warning Bar  
**12 MODULE BAR**  
 ASSEMBLY INSTRUCTIONS  
 EL3H12A00(x)

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**MOUNTING INSTRUCTIONS**

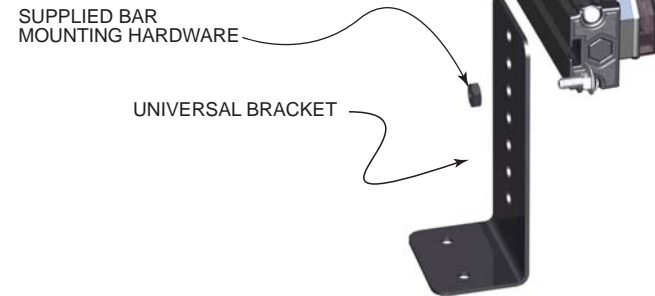
Before starting the installation make certain you have the correct bracket for your application. A universal Deck/Dash mount bracket is supplied.

Install the UltraLITE by following the assembly instructions provided with the brackets and check for security.

Important: DO NOT over tighten mounting screws or nuts. This could cause permanent damage to the light or bracket. Use appropriate hardware for mounting.

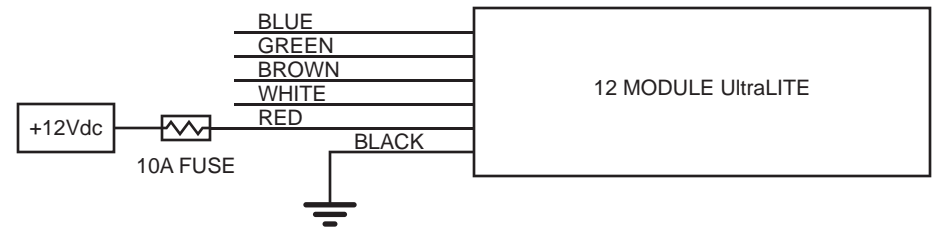
**PATTERN SELECTION**

Because of the variety of configuring options see separate sheets for detailed instructions



WIRE HOOK-UP TABLE	
Wire Color	Connect to:
Blue	Input 1 / Left Input
Green	Input 2 / Right Input
Brown	Input 3 / Warning Input
Red	+12Vdc
Black	Ground (-)
White	Pattern Select

Input Voltage: 10-16Vdc  
 Current: 6 Amps Maximum





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Interior Warning Bar  
**12 MODULE BAR**  
**FULL DIRECTIONAL ARROW**  
 CONFIGURATION INSTRUCTIONS  
 EL3H12A00(x)

**WARNING:** Warning devices are strictly regulated and governed by Federal, State and Municipal ordinances. These devices shall be used ONLY on approved vehicles. It is the sole responsibility of the user of these devices to ensure compliance.



**PATTERN SELECTION**

1. Connect BLACK wire to ground.
2. Connect RED wire to +12VDC.
3. Connect GREEN, BLUE and BROWN wires to +12VDC.
4. With power applied to the three wires, momentarily apply power to WHITE wire to change the directional arrow patterns.
5. While changing patterns, the UltraLITE will display the left arrow pattern.
6. When you have chosen the directional pattern, disconnect GREEN and BLUE wires from power.
7. With the BROWN wire connected to power, momentarily apply power to WHITE wire to change the arrow warning pattern.
8. When you have selected the arrow warning pattern, disconnect BROWN wire from power.
9. You are finished configuring the UltraLITE.

ARROW PATTERNS for  
 12 MODULE UltraLITE - EL3H12A00(x) 1 COLOR

1	Solid	Fast	High Power
2	Solid Plus	Fast	High Power
3	Sequential	Fast	High Power
4	Sequential2 (2 lights)	Fast	High Power
5	Chaser	Fast	High Power
6	Solid	Slow	High Power
7	Solid Plus	Slow	High Power
8	Sequential	Slow	High Power
9	Sequential2 (2 lights)	Slow	High Power
10	Chaser	Slow	High Power
11	Solid	Fast	Low Power
12	Solid Plus	Fast	Low Power
13	Sequential	Fast	Low Power
14	Sequential2 (2 lights)	Fast	Low Power
15	Chaser	Fast	Low Power
16	Solid	Slow	Low Power
17	Solid Plus	Slow	Low Power
18	Sequential	Slow	Low Power
19	Sequential2 (2 lights)	Slow	Low Power
20	Chaser	Slow	Low Power

ARROW WARNING PATTERNS

1	Double	Left and Right (Alternating)
2	Double	Every Other Module
3	Q-Switch	Left and Right (Alternating)
4	Q-Switch	Every Other (Alternating)
5	Power Pulse	Every Other (Alternating)
6	Power Pulse	Left and Right (Alternating)
7	Quad	Outer and Inner (Alternating)
8	Warp	Every Other (Alternating)
9	Crossfire	
10	HyperScan	
11	SuperScan	
12	Power Flash	

Alternating: 1,2,3,4 alternates with 5,6,7,8  
 Every Other: 1,3,5,7 alternates with 2,4,6,8



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Interior Warning Bar  
**12 MODULE BAR**  
**6+6 SPLIT WARNING**  
 CONFIGURATION INSTRUCTIONS  
 EL3H12A00(x)

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**PATTERN SELECTION**

1. Connect BLACK wire to ground.
2. Connect RED wire to +12VDC power.
3. Connect BLUE wire to +12VDC power.
4. With power applied to BLUE wire, momentarily apply power to WHITE wire to move forward one warning pattern.
5. When you have chosen your first warning pattern, disconnect BLUE wire from power.
6. The pattern you have selected will always display on the UltraLITE when power is applied to the BLUE wire.
7. To setup your next warning pattern, connect GREEN wire to power.
8. With power applied to the GREEN wire, momentarily apply power to WHITE wire to move forward one warning pattern.
9. When you have chosen you second warning pattern, disconnect GREEN wire from power.
10. The pattern you have selected will always display on the UltraLITE when power is applied to the GREEN wire.
11. To setup the last warning pattern, connect BROWN wire to power.
12. With power applied to the BROWN wire, momentarily apply power to WHITE wire to move forward one warning pattern.
13. When you have chosen your third warning pattern disconnect BROWN wire from power.
14. The pattern you have selected will always be displayed on the UltraLITE when power is applied to the BROWN wire.
15. You are finished configuring the UltraLITE.


**FLASH PATTERNS**  
 12 MODULE UltraLITE - EL3H12A00(x) SPLIT COLOR

1	Quint Flash	Alternating
2	Warp Flash	Alternating
3	Inter-cycle Flash	Alternating
4	Double Flash	Alternating
5	Quad Flash	Alternating
6	3 Flashes / Second	Alternating
7	3 Flashes / Second	Simultaneous
8	Q-Switch	Alternating
9	E-Pattern Single Flash	Alternating
10	E-Pattern Double Flash	Alternating
11	E-Pattern Single Flash	Simultaneous
12	E-Pattern Double Flash	Simultaneous
13	LiteRyder	Sweep
14	Quint Flash	Every Other Module
15	Warp Flash	Every Other Module
16	Inter-cycle Flash	Every Other Module
17	Double Flash	Every Other Module
18	Quad Flash	Every Other Module
19	Q-Switch	Every Other Module

Alternating: 1,2,3,4,5,6 alternates with 7,8,9,10,11,12  
 Simultaneous: All modules on at same time  
 Every Other: 1,3,5,7,9,11 alternates with 2,4,6,8,10,12





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**Interior Warning Bar**  
**12 MODULE BAR**  
**DIRECTIONAL ARROW**  
**W/ SINGLE WARNING TIPS**  
 CONFIGURATION INSTRUCTIONS  
 EL3H12A1Ø(x)

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**PATTERN SELECTION**

1. Connect BLACK wire to ground.
2. Connect RED wire to +12VDC.
3. Connect GREEN and BLUE wires to +12VDC.
4. With power applied to the two wires momentarily apply power to WHITE wire to change the directional arrow patterns.
5. While changing patterns, the UltraLITE will display the left arrow pattern.
6. When you have chosen the directional arrow pattern, disconnect GREEN and BLUE wires from power.
7. Connect BROWN wire to +12VDC and momentarily apply +12VDC to WHITE wire to change the warning pattern displayed on the UltraLITE.
8. When you have selected the warning pattern for the UltraLITE, disconnect BROWN wire from power.
9. You are finished configuring the UltraLITE.

**ARROW PATTERNS for  
12 MODULE UltraLITE - EL3H12A10(x) 10+2 COLOR**

1	Solid	Fast	High Power
2	Solid Plus	Fast	High Power
3	Sequential	Fast	High Power
4	Sequential2 (2 lights)	Fast	High Power
5	Chaser	Fast	High Power
6	Solid	Slow	High Power
7	Solid Plus	Slow	High Power
8	Sequential	Slow	High Power
9	Sequential2 (2 lights)	Slow	High Power
10	Chaser	Slow	High Power
11	Solid	Fast	Low Power
12	Solid Plus	Fast	Low Power
13	Sequential	Fast	Low Power
14	Sequential2 (2 lights)	Fast	Low Power
15	Chaser	Fast	Low Power
16	Solid	Slow	Low Power
17	Solid Plus	Slow	Low Power
18	Sequential	Slow	Low Power
19	Sequential2 (2 lights)	Slow	Low Power
20	Chaser	Slow	Low Power

**END MODULE WARNING**

1	Traffic Mover	Simultaneous
2	Q-Switch	Alternating
3	RoadRunner	Alternating
4	Power Pulse	Alternating
5	Progressive	Alternating

Simultaneous: 1 and 12 together  
 Alternating: 1 alternates with 12



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Interior Warning Bar  
**12 MODULE BAR**  
**DIRECTIONAL ARROW**  
**W/ DUAL WARNING TIPS**  
 CONFIGURATION INSTRUCTIONS  
 EL3H12A2Ø(x)

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**PATTERN SELECTION**

1. Connect BLACK wire to ground.
2. Connect RED wire to +12VDC.
3. Connect GREEN and BLUE wires to +12VDC.
4. With power applied to the two wires momentarily apply power to WHITE wire to change the directional arrow patterns.
5. While changing patterns, the UltraLITE will display the left arrow pattern.
6. When you have chosen the directional arrow pattern, disconnect GREEN and BLUE wires from power.
7. Connect BROWN wire to +12VDC and momentarily apply +12VDC to WHITE wire to change the warning pattern displayed on the UltraLITE.
8. When you have selected the warning pattern for the UltraLITE, disconnect BROWN wire from power.
9. You are finished configuring the UltraLITE.

ARROW PATTERNS for  
 12 MODULE UltraLITE - EL3H12A20(x) 8+4 COLOR

1	Solid	Fast	High Power
2	Solid Plus	Fast	High Power
3	Sequential	Fast	High Power
4	Sequential2 (2 lights)	Fast	High Power
5	Chaser	Fast	High Power
6	Solid	Slow	High Power
7	Solid Plus	Slow	High Power
8	Sequential	Slow	High Power
9	Sequential2 (2 lights)	Slow	High Power
10	Chaser	Slow	High Power
11	Solid	Fast	Low Power
12	Solid Plus	Fast	Low Power
13	Sequential	Fast	Low Power
14	Sequential2 (2 lights)	Fast	Low Power
15	Chaser	Fast	Low Power
16	Solid	Slow	Low Power
17	Solid Plus	Slow	Low Power
18	Sequential	Slow	Low Power
19	Sequential2 (2 lights)	Slow	Low Power
20	Chaser	Slow	Low Power

END MODULE WARNING

1	Traffic Mover	Simultaneous
2	Q-Switch	Alternating
3	RoadRunner	Alternating
4	Power Pulse	Alternating
5	Progressive	Alternating

Simultaneous: 1-2 and 11-12 together  
 Alternating: 1-2 alternates with 11-12