

**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.

## TECHNICAL SPECIFICATIONS

Overall Dimensions:	2.5"W x 1.375"H x 1.25"D
Flash Patterns:	33
Input Voltage:	10-16Vdc
Current Consumption:	0.4 Amps
Light Sync. Technology:	Yes
Operating Temperature:	-40° to +65° C

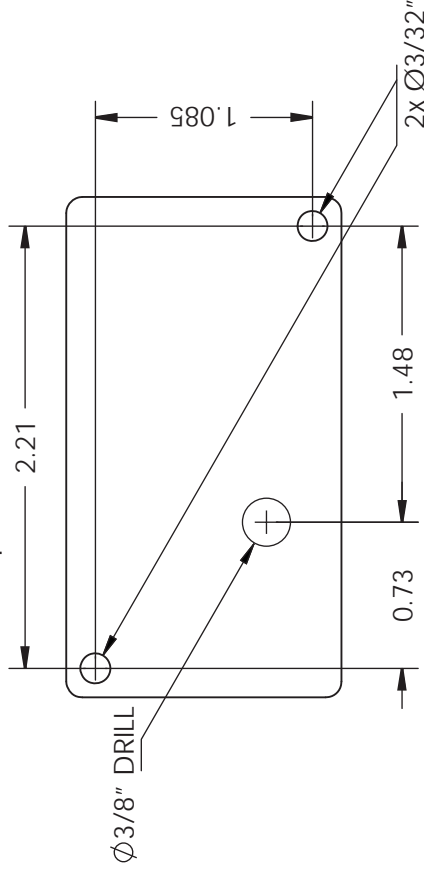
## MOUNTING

**Important: DO NOT over tighten mounting screws or nuts. This could cause permanent damage to the light.**

1. Locate flat mounting location for the LED3 Light.
2. When the position of LED3 is determined use paper template on next page to drill hole locations. Screw mounting holes should be drilled using a 3/32" drill bit. Wire entry holes should be drilled using a 1/4" drill bit.
3. Make electrical connections.
4. Using supplied #6 x 3/4" screws, fasten LED3 to mounting surface. Be sure not to overtighten screws as this will cause hole in mounting surface to strip out. Be sure that supplied gasket is mounted between mounting surface and LED3.



Drill Template for Mounting Holes/Cord Entry  
Template Shown Actual Size



**NOTE:** The LED3 is a factory sealed unit that CANNOT be serviced in the field. Any attempt to gain access to the LED3 unit will most likely cause permanent damage and void its warranty.

**IMPORTANT: DO NOT** connect this device to a strobe power supply.

## OPERATING INSTRUCTIONS

- See Configuration Instructions.
- The single LED3 comes equipped with an internal flasher with 33 user selectable patterns that can be synchronized either alternating or simultaneous with up to three other lights.
1. Connect the LED3 BLACK wire to a good, convenient ground.
  2. Connect the LED3 RED wire to one side of a user supplied on/off switch. Connect the other side of the switch, through a 5Amp fuse, to a source of +10-16Vdc.

## WARNING

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



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### LED3 Sync Configuration Instructions IMPORTANT! A MAXIMUM OF 4 SINGLE LIGHTS CAN BE SYNCED TOGETHER

1. Set ID#
  - a. Identify which pattern and sequence you want and look up ID# settings below.
  - b. Connections
    - i. RED: +12Vdc
    - ii. WHT: +12Vdc (Note: you will need to disconnect after power is applied)
    - iii. BLK: Ground
  - c. Apply power to unit
  - d. Without disconnecting power from unit, disconnect WHT wire
  - e. Momentarily touch WHT to Ground to change ID #
    - i. Identify ID# by number of sequential flashes
    - ii. Possible ID#s: 1 – 4
  - f. Disconnect power from unit to get out of ID mode.
2. Set Pattern
  - a. Reapply power to units
  - b. Once all Light Head ID#s are configured, make sure all lights are flashing the same pattern
  - c. Connect corresponding colored wires of all units together: RED to RED, etc.
  - d. Change Pattern
    - i. Momentarily connect WHT wires to Ground
    - ii. Observe pattern change on all lights connected
  - e. Insulate all wires by taping with electrical tape
3. Connect Master Switch for Application
  - a. **IMPORTANT!** Ensure WHT Pattern/Sync Wires are tied together

### 1 LIGHT

Single Light Operation: Follow the ID Selection steps and set the LED3 to ID#1 if it is not already. NOTE: Steady Burn is produced for patterns 9 & 10 in Single Operation.

### 2 LIGHTS

**ALTERNATING:** To obtain Alternating patterns, follow the ID SELECTION steps and set one LED3 to ID#1 and the other to ID#3. Then proceed to the PATTERN SELECTION steps.

**SIMULTANEOUS:** To obtain Simultaneous patterns, follow the ID SELECTION steps and set both LED3 lights to ID#1. Then proceed to PATTERN SELECTION steps.

### 4 LIGHTS

**X-Pattern:** To obtain X-patterns, follow the ID SELECTION steps and set one of the four LED3 lights to ID#1, one to ID#2, one to ID#3, and one to ID#4. Then proceed to PATTERN SELECTION steps. NOTE: Be sure to mount each LED3 in the correct placement based on ID#.

### PATTERN SELECTION

1. Disconnect WHITE wire from any connections if applicable.
2. Turn LED3 ON.
3. Momentarily touching and removing the WHITE wire(s) to ground will advance the LED3 to the next flash pattern. Touching and removing the White wire for more than a few seconds will allow you to change the LED3 to the previous pattern. See flash pattern table. Continuing to touch and remove the WHITE wire(s) to ground will allow you to scroll through the pattern list. After pattern #33 is reached the list will start over again at pattern #1.

NOTE: The LED3 is equipped with flash pattern memory. Once you have selected a pattern the LED3 will always activate to that pattern every time the unit is turned on. Tape up and secure WHITE wire so that it will not accidentally change your selected pattern.

### PATTERN RESET

1. Remove power.
2. Place WHITE (sync) wire to ground.
3. With sync wire grounded, re-power RED wire.
4. Maintain for one second (light will dim).
5. Remove white wire from ground (pattern 1 set).

### X-Pattern Sequence

ID#1 > ID#4 > ID#2 > ID#3

### X-Pattern Light Head Placement



### SLAVE MODE

LED3 Does not support Slave Mode.

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# SINGLE EXTERIOR LED3 WARNING LIGHT ASSEMBLY INSTRUCTIONS EL3SN(x)

### FLASH PATTERNS FOR SINGLE HEAD EXTERIOR LED3 (EL3SN(x))

#	Pattern Name	1 Light	Alternating 2 Lights	Simultaneous 2 Lights	X-Pattern 4 Lights	Flashes/ Minute
1	Quint	X	X	X		70
2	Warp	X	X	X		350
3	Inter-Cycle Flash	X	X	X		
4	Double Flash	X	X	X		70
5	Quad Flash	X	X	X		80
6	Power Pulse	X	X	X		180
7	Road Runner	X	X	X		113
8	Q-Switch	X	X	X		113
9	Road Runner	X	X	X		80
10	Steady Burn	X	X	X		200
11	Steady Burn	X	X	X		146
12	E-Ideal Single Flash E-Ideal	X	X	X		67
13	Double Flash	X	X	X		95
14	Quad2 Flash	X	X	X		
15	X-Warp				X	
16	X-Double				X	
17	PowerRunner	X	X	X		
18	LCR Quint	X	X	X		
19	Warp <sup>3</sup>	X	X	X		
20	Ultra Warp	X	X	X		545
21	Thunder and Lightning	X	X	X		
22	LiteSpeed	X	X	X		85
23	SuperSonic	X	X	X		170
24	LCR LiteSpeed	X	X	X		
25	SuperSonic Ultra	X	X	X		
26	TempoShift	X	X	X		67
27	TempoShift Warp	X	X	X		200
28	SBE2	X	X	X		176
29	C <sup>2</sup>	X	X	X		
30	U <sup>2</sup>	X	X	X		
31	UltraGlow	X	X	X		
32	Cyclone	X	X	X		
33	Chameleon	X	X	X		