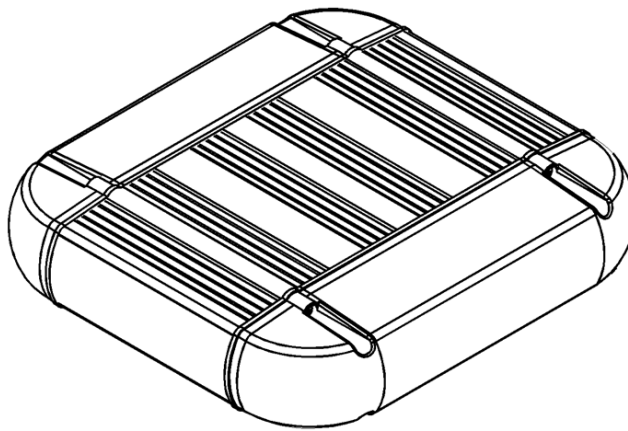


Model  
**7100LED**  
Ultra-High Intensity Lineum  
**STARLASER**® Minibar



If you have any questions concerning this or any other product,  
please contact our **Customer Service Department** at (585) 226-9787.

If a product must be returned for any reason, please contact our Customer Service Department to  
obtain a Returned Material Authorization number (RMA #) before you ship the product back.  
Please write the RMA # clearly on the package near the mailing label.



**Star Headlight & Lantern Co., Inc.**

455 Rochester Street Avon, NY 14414 Phone: 585-226-9787 FAX: 888-478-2797

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WARNING  
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PLIT508 REV. A 9/12/18

**IMPORTANT:** Please read all of the following instructions before installing your new warning light.

### NOTICE

Due to continuous product improvements, we must reserve the right to change any specifications and information, contained in this manual at any time without notice. Star Headlight & Lantern Co., Inc. makes no warranty of any kind with regard to this manual, including, but not limited to, the implied warranties of merchantability and fitness for a particular purpose. Star Headlight & Lantern Co., Inc. shall not be liable for errors contained herein or for incidental or consequential damages in connection with the furnishing, performance, or use of this manual.

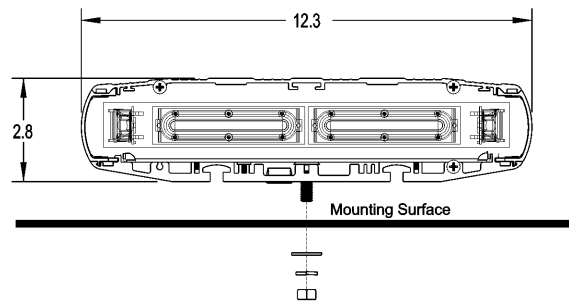
### LED FIVE YEAR LIMITED WARRANTY

The manufacturer warrants this LED light against factory defects in material and workmanship for five years after the date of purchase. The owner will be responsible for returning to the Service Center any defective item(s) with the transportation costs prepaid. The manufacturer will, without charge, repair or replace *at its option*, products, or part(s), which its inspection determines to be defective. Repaired or replacement item(s) will be returned to the purchaser with transportation costs prepaid from the service point. A copy of the purchaser's receipt must be returned with the defective item(s) in order to qualify for the warranty coverage. Exclusions from this warranty include, but are not limited to, drops, and/or the finish. This warranty shall not apply to any light, which has been altered, such that in the manufacturer's judgment, the performance or reliability has been affected, or if any damage has resulted from abnormal use or service.

There are no warranties expressed or implied (including any warranty of merchantability or fitness), which extend this warranty period. **The loss of use of the product, loss of time, inconvenience, commercial loss or consequential damages, including costs of any labor, are not covered.** The manufacturer reserves the right to change the design of the product without assuming any obligation to modify any product previously manufactured.

This warranty gives you specific legal rights. You might also have additional rights that may vary from state to state. Some states do not allow limitations on how long an implied warranty lasts. Some states do not allow the exclusion or limitation of incidental or consequential damages. Therefore, the above limitation(s) or exclusion(s) may not apply to you.

## Mounting

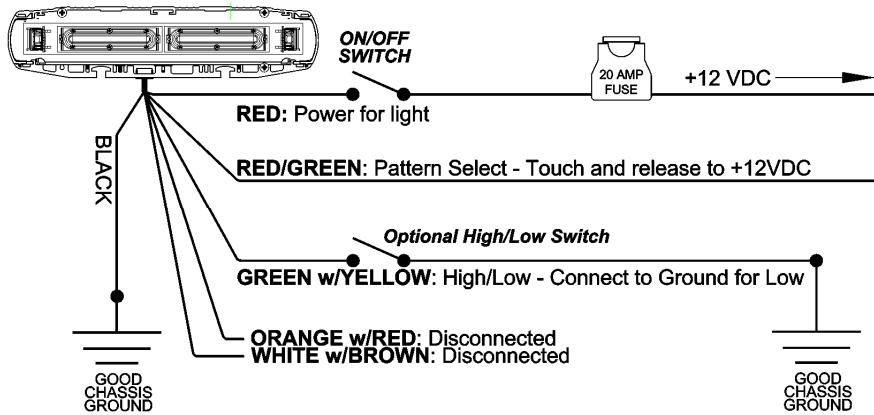


Mount the light through a 11/32" hole using the single bolt on the bottom of the light. Secure it with a flat washer, split washer, and nut.

## Wiring for Permanent Mount Models

**CAUTION:** All of our DC powered warning lights are polarity sensitive. These lights are polarity protected *only if the appropriate fuse is used*. All wires connected to the positive terminal of the battery should be fused at the battery for their rated load. **Testing the light before this fuse is properly installed will void the warranty on the light.**

- Red - (Power)** Connect to +12 VDC through your switch. *Be sure to use a 20 amp fuse when connecting the switch to the positive side of the power supply.*
- Black - (Ground)** Connect to the negative side of the battery.
- Green w/Yellow - (Optional - High/Low)** Switches the light between High and Low power.
  - **High Power Only:** Leave disconnected (cover wire with wire nut or tape)
  - **Low Power Only:** Connect to Ground
  - **High/Low Switching Option:** Connect to Ground through a switch
- Red w/Green - (Pattern Select)** Touch and release to +12 VDC to change patterns (see next page).



## Pattern Programming

- To change patterns, briefly touch and release the Red w/Green Stripe wire to +12 VDC.
- The cycle repeats after the last pattern.
- **Pattern Shortcuts:** Touch and hold the Red w/Green Stripe Wire to +12 VDC for the length of time that corresponds to the pattern you would like to jump to. Once you find the pattern you wish to display, connect the Pattern Select wire to ground and deactivate the light. This will store the selected pattern.

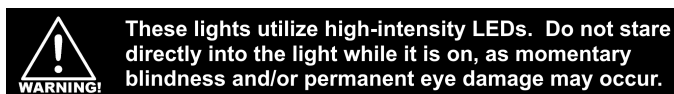
<u>Length of Hold</u>	<u>Unit Blinks</u>	<u>Jumps to</u>	<u>Description</u>
3 sec.	1 time	Pattern 5	Alt. Tripleflash, Pre-Pop Tripleflash w/Flicker
6 sec.	2 times	Pattern 19	Alt Long Singleflash (Medium Warn)
9 sec.	3 times	N/A	Intersection Clearing Light Pattern

### Patterns

- |   |  |
|---|--|
| <ol style="list-style-type: none"> <li>1. Slow Warn</li> <li>2. Alt. Doubleflash, Flicker</li> <li>3. All Double, Alt. Pre-Pop Triple, Slow Warn</li> <li>4. Alternating Doubleflash, Non-Synch</li> <li>5. Alt. Triple, Alt. Pre-Pop Triple, Flicker *</li> <li>6. Alt. Quad, Flicker, Alt. Double, Flicker</li> <li>7. Alt. Pre-Pop Quint, Alt. Quint, Flicker</li> <li>8. All Tripleflash</li> <li>9. Alt. Quadflash w/Post Pop</li> <li>10. All Quadflash w/Post Pop</li> <li>11. Alt. Quintflash</li> <li>12. One Side Steady/Other Side Singleflash †</li> <li>13. Alt. Pre-Pop Quintflash</li> <li>14. All Flicker</li> <li>15. Alt. PSU Flicker</li> <li>16. One Side Steady/Other Side Short-Long †</li> <li>17. One Side Rapid Fire, Other Side Pop</li> <li>18. Comet 1</li> </ol> | <ol style="list-style-type: none"> <li>19. Alt Long Singleflash (Medium Warn)</li> <li>20. Alt. Short - Alt. Long</li> <li>21. Slow Warn, Alt. Tripleflash</li> <li>22. Slow Warn, Super Fast Warn</li> <li>23. All Doubleflash, Alt. Doubleflash</li> <li>24. All Double, Alt. Double, Flicker</li> <li>25. Fast Warn</li> <li>26. Superfast Warn</li> <li>27. Warn Fade</li> <li>28. Pre-Pop Warn</li> <li>29. All Singleflash</li> <li>30. Alt. Tripleflash</li> <li>31. All Quintflash</li> <li>32. One Side Pop, Other Side Rapid Fire</li> <li>33. Comet 2</li> <li>34. Delta Omega</li> <li>35. Cycle All Patterns</li> </ol> |
|---|--|

\* = Default Pattern

† = California Title 13 compliant when properly configured



**Please Note:** These instructions are provided as a general guideline only. Specific mounting, wiring, and/or weather-sealing may be necessary and are the sole responsibility of the installer. Star Headlight & Lantern Co., Inc. assumes no responsibility for the integrity of the installation for this or any of its products.

