200BC
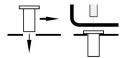
Pipe Mounting

For NPT pipe, mount the light using the threaded entrance hole in the base of the light, then skip to the *Wiring Instructions*.

Permanent Mounting

1. Using the gasket or base as a template, mark the mounting holes and the center hole for the wires, if applicable, on the mounting surface. Take care to ensure that the gasket or base does not move while you are marking each of the holes.

2. Drill a 3/16" hole in the marked spots for the screws. If you are routing your wires through the mounting surface, drill a 5/16" hole in the center location to route the wires through.

3. Push the enclosed well nuts through the mounting holes until the bottom side of the wider lip rests on the surface of the vehicle.

4. Place the light on the mounting surface, routing the wires through the wire hole. Align the outer holes of the base with the holes in the mounting surface, install the screws and tighten until snug.

WELL NUT

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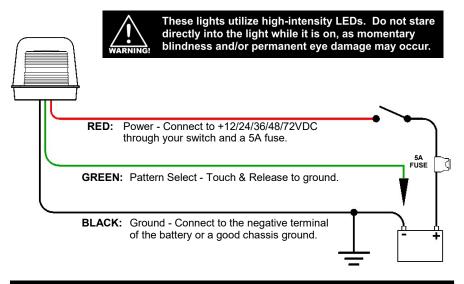
This warranty gives you specific legal rights. You might also have additional rights that may vary from state to state. Some states do not allow limitations on how long an implied warranty lasts. Some states do not allow the exclusion or limitation of incidental or consequential damages. Therefore, the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

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 call the number above and ask for the Repair Department so that you can obtain a Returned Materials Authorization number (RMA #).
Please write the RMA # clearly on the package near the mailing label.

Wiring

⚠ **WARNING!** These lights utilize high-intensity LEDs. Do not stare directly into the light while it is on, as momentary blindness and/or permanent eye damage may occur.

RED: Power - Connect to +12/24/36/48/72VDC through your switch and a 5A fuse.

GREEN: Pattern Select - Touch & Release to ground.

BLACK: Ground - Connect to the negative terminal of the battery or a good chassis ground.

5A FUSE

Pattern Programming

Touch and release the **green wire** to ground will scroll through the flash patterns.

1. Flicker-Flash †
2. Fast Singleflash †
3. Superfast Singleflash
4. Beacon Fade
5. Pre Pops
6. Slow Doubleflash †
7. Fast Doubleflash †
8. Tripleflash †
9. Pre-Pop Tripleflash †
10. Quadflash †
11. Fast Quadflash w/Post Pop †
12. Quintflash †
13. Pre-Pop Quintflash †
14. Flicker
15. Delta Omega
16. Slow Singleflash †
17. Super Combo/Mix Pattern
18. Slow Doubleflash, Flicker
19. Slow Doubleflash, Quadflash w/Post Pop
20. Slow Double, Quint x2, Dual Quad w/Post Pop, Flicker
21. Quadflash w/Post Pop, Tripleflash, Flicker
22. Delta Omega, Flicker, Slow Doubleflash
23. Medium Singleflash †
24. Medium Singleflash, Fast Singleflash
25. Cycle all patterns
26. Steady On

† - *SAE Approved Patterns when properly configured*

Flash Pattern Shortcuts

Hold For	Unit Blinks	Shortcut to
3 seconds	1 time	Pattern 1
6 seconds	2 times	Pattern 16
9 seconds	3 times	Pattern 21

Note: *After programming the flash pattern, cut short and tape or cap off the Green wire so that it does not come into contact with ground or power.*

STAR
Safety Technologies by Grote
www.StarSafetyTechnologies.com