> ___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. The manufacturer assumes no responsibility for the integrity of the installation for this or any of its products.

⚠️ **CAUTION !!**

Please review all of the following requirements prior to installing the this light. Failure to follow these safety precautions and instructions could result in damage to the product or vehicle and could result in serious injury to you and your passengers.

- Improper installation may result in serious injury, property damage, or death. The installer must have a good understanding of automotive electronics, systems, and procedures.

- If you are drilling any holes while mounting this light, please be sure to check both sides of the surface to ensure that you do not damage anything. De-burr all holes.

- Ensure that any switches used are located in an area that allows the vehicle and device to be operated safely in any driving condition.

- Use a minimum 18AWG wire for electrical connections and a 5A fuse at the power source, ensuring both positive and ground connections are dependable.

- Test the light and inspect all wiring each time you use the vehicle to ensure that it is functioning properly. If it is not functioning properly, do not operate the vehicle!!

- Use only soap and water to clean this product. Use of harsh chemicals could cause the domes to haze and may lead to diminished light output reducing the effectiveness. Do not use a power washer to clean this product.

⚠️ **WARNING!** This light uses high-intensity LEDs. DO NOT stare directly into the light while it is on, as momentary blindness and/or permanent eye damage may occur.
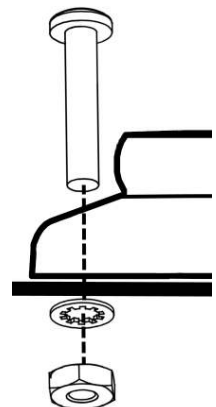
Magnet Mounting

If you are mounting the light on the roof of your vehicle, take extreme care to ensure that the magnet is firmly seated on your roof, and that the pull of the magnet is sufficient to secure the light in place. It is the sole responsibility of the owner to ensure the warning light is secure.

⚠️ **WARNING!** *Care should be taken when routing the cig plug cord so that it does not interfere with the proper operation of the driver-side or passenger-side airbag! Failure to heed this warning may result in serious or fatal injury.*

Permanent Mounting

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

2. For flange mounting, using the gasket as a template, mark the mounting holes. Mark a center hole if you will be running your wires through the mounting surface.

3. Drill 7/32" holes in the marked locations.

4. Route the wires through the center hole, if applicable, and secure the light with included hardware.
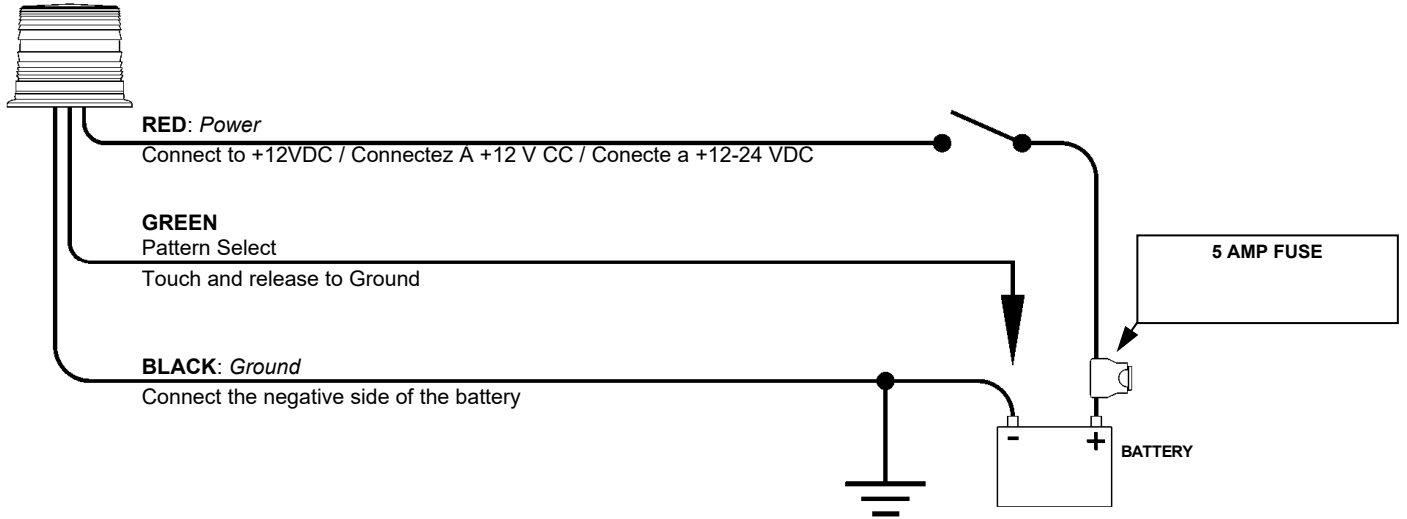
Wiring

⚠ **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 <u>at the battery</u> for their rated load. **Testing the light before this fuse is properly installed will void the warranty on the light.**

RED: *Power*
Connect to +12VDC / Connectez A +12 V CC / Conecte a +12-24 VDC

GREEN
Pattern Select
Touch and release to Ground

BLACK: *Ground*
Connect the negative side of the battery

5 AMP FUSE

BATTERY

Pattern Programming

To change patterns, press the pattern select button on the cig plug, or touch the **green wire** to ground on hard-wired models.

POWER   PATTERN SELECT

Patterns

1. Slow Singleflash †
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. Flicker-Flash †
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*

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.

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

Grote

Learn more about emergency and warning lighting we have.