> ***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.
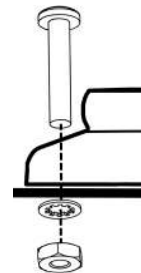
Magnet Mounting

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.
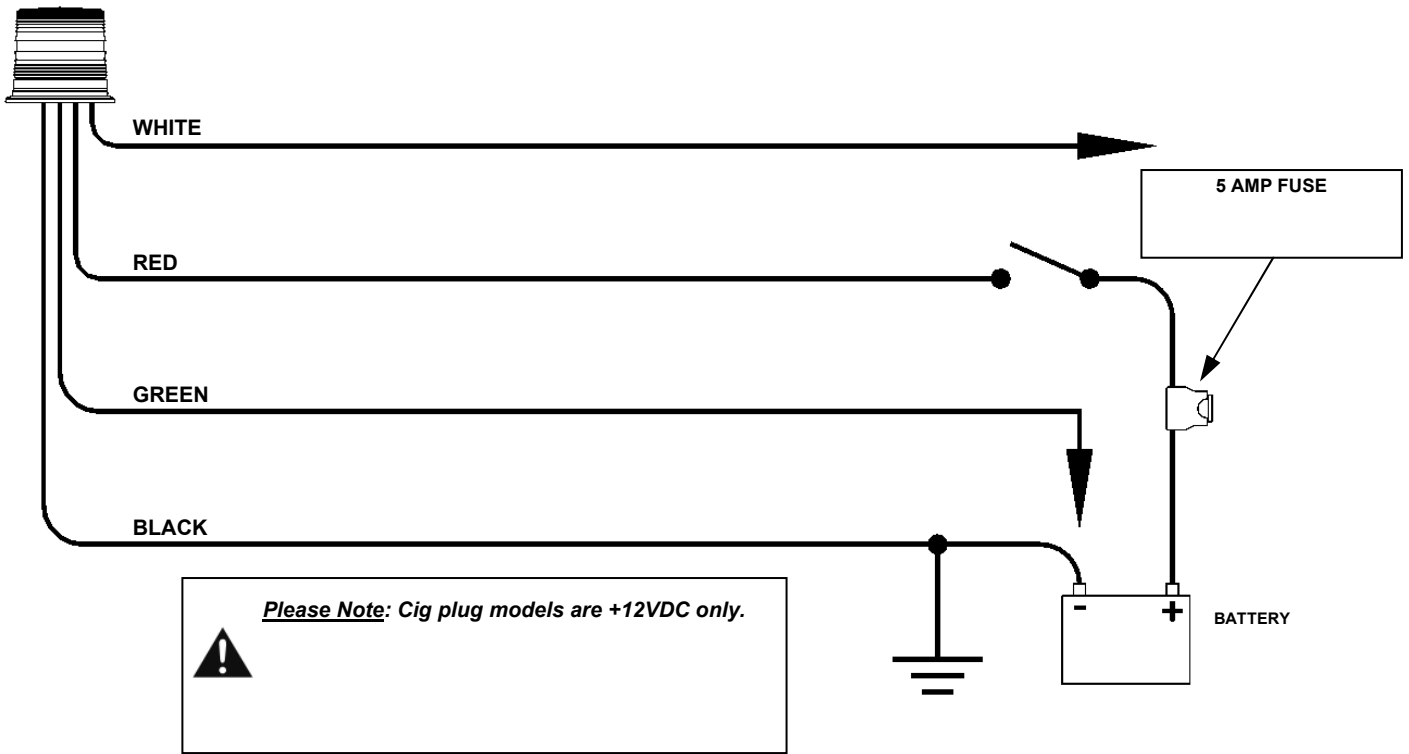
Permanent Mounting

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

   Pour les tuyaux NPT, fixer le feu à l'aide du trou d'entrée fileté à la base du feu, puis passer aux *Instructions de câblage*.

   Para los tubos NPT, monte la luz usando el orificio roscado de entrada en la base de la luz, luego pase a las *Instrucciones de cableado*.

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.

   Pour la fixation sur bride, marquer les trous de fixation en utilisant le joint comme gabarit. Marquer un trou au centre si les fils sont acheminés à travers la surface de montage.

   Para la instalación de bridas, use la junta como plantilla y marque los orificios para la instalación. Marque un orificio en el centro si va a extender los cables por la superficie de montaje.

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

   Percer des trous de 7/32 po aux emplacements marqués.

   Perfore orificios de 7/32" en los lugares marcados.

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

   Acheminer les fils à travers le trou central, le cas échéant, et fixer le feu à l'aide de la quincaillerie incluse.

   Pase los cables por el orificio del centro, si corresponde, y asegure la luz con los accesorios incluidos.

Wiring

WHITE

RED

GREEN

BLACK

5 AMP FUSE

Please Note: *Cig plug models are +12VDC only.*

Please Note: **If your light contains a PURPLE wire, it is a dead wire that is not used and can be cut short.**

BATTERY

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.**

CAUTION !!

RED: *Power* - Connect to +12-24 VDC through your switch using a 5 amp fuse.

BLACK: *Ground* - Connect to a Good Chassis Ground or the negative terminal of the battery.

GREEN: *Pattern Select* - Touch and release to Ground to change patterns

.

WHITE: *Synchronization* - <u>AFTER</u> setting the patterns, connect, the white wires from synchronized lights together. Cap off if not used.

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**

Phase 1 Flash Pattern	Phase 2 Flash Pattern	Pattern Type	Pattern Description		Shortcuts
1	13	K	Flicker †	⇦	Pattern 1 (Phase 1): **3 sec or 1 flash**
2	14	L	Fast Doubleflash		
3	15	M	Tripleflash †		Pattern 13 (Phase 2): **9 sec or 3 flashes**
4	16	N	ECE Quadflash †	⇦	Pattern 4 (Phase 1): **6 sec or 2 flash**
5	17	O	ECE Doubleflash †		
6	18	F	Quadflash †		
7	19	G	Quadflash w/Post-Pop †		Pattern 16 (Phase 2): **12 sec or 4 flashes**
8	20	H	Singleflash †		
9	21	I	Doubleflash †		
10	22	J	Variable AKA Delta-Omega		
11	23	C	Post pop 1.4CPS †		
12	24	E	Random 0.4CPS		
NA			Steady		**18 Sec/5 Blinks**

† - *SAE J845 approved patterns when properly configured*

Pattern Shortcuts: *Hold Green wire to ground for indicated time.*

Steady Burn: *Not in Pattern Cycle. Hold Green wire to ground for 18 seconds (light will flash 5 times).*
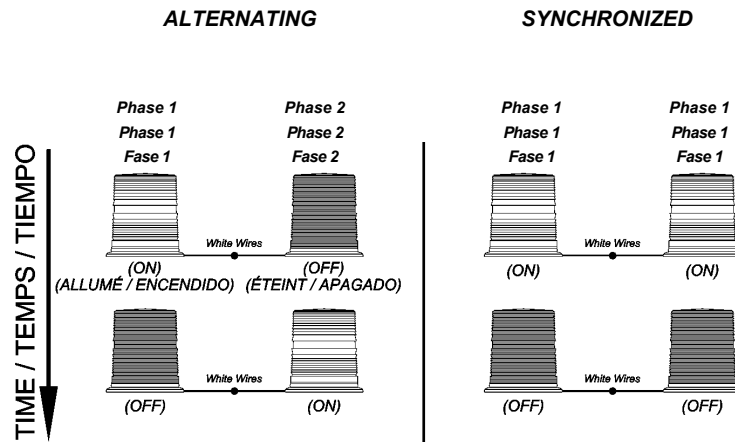
Synchronization

(Hard wire only)

You can synchronize up to six lights with [S-LINK SYSTEM] compatibility.

DO NOT CONNECT WHITE WIRES UNTIL PROGRAMMING HAS BEEN COMPLETED FOR ALL LIGHTS!!

1. Program the first unit.

2. Program the second light with the same **Pattern Type**.
   - Lights with the SAME phase flash together (simultaneous).
   - Lights with DIFFERENT phases flash opposite one another (alternate).

3. After programming all lights, cap off the green wires.

4. With the power off, connect the white wires together.

5. Test the lights by applying power to all of them at the same time.

ALTERNATING   **SYNCHRONIZED**

TIME / TEMPS / TIEMPO

Phase 1	Phase 2		Phase 1	Phase 1
Phase 1	Phase 2		Phase 1	Phase 1
Fase 1	Fase 2		Fase 1	Fase 1

White Wires

(ON)   (OFF)
(ALLUMÉ / ENCENDIDO)   (ÉTEINT / APAGADO)

(ON)   (ON)

White Wires

(OFF)   (ON)   (OFF)   (OFF)

Learn more about emergency and warning lighting we have.