Grote®

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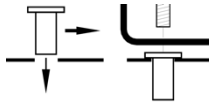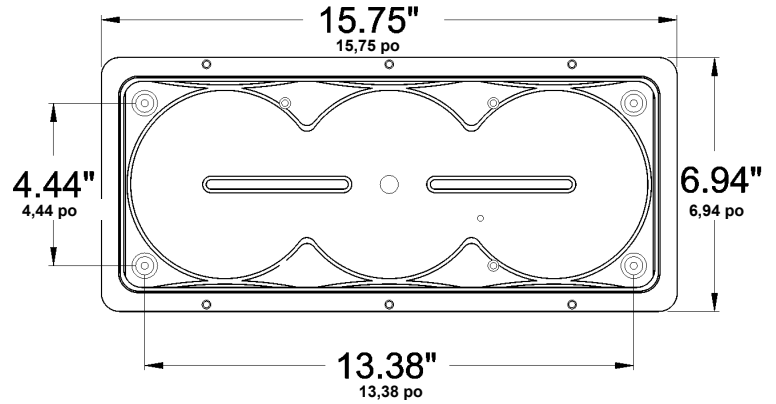
- Improper installation may result in serious injury, property damage, or death. The installer must have a good understanding of automotive electronics, systems, and procedures.

- 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.

Installation

1. Remove the dome. Using the base as a template, mark your four mounting holes.

15.75"
15,75 po

4.44"
4,44 po

6.94"
6,94 po

13.38"
13,38 po

2. Remove the base and drill a 3/8" hole in the four marked spots. **CAUTION: Take care not to drill through the headliner below.**

3. Insert the rubber well nuts into the mounting holes so the wider lip rests on the mounting surface.

4. *For internal wiring*: Drill a 3/8" hole in the center of the four holes and file down any sharp edges. Route the wires through the hole.

5. Align the holes in the base with the well nuts, install the screws, and tighten until snug.

6. Replace the dome.

Raccords Électriques

Black: Ground

Red: Power (+10-32VDC through 5 Amp fuse)

Green: Pattern Select (Touch and Release to Ground - see below)

1. Power up the light and cycle through the flash patterns listed below by briefly touching and releasing the green wire to ground.

   - ***Alternating Patterns: The two halves of the light flash opposite one another.***
   - ***Simultaneous Patterns: The two halves of the light flash together.***

2. After the pattern has been set place a wirenut over the end of the green wire to prevent it from coming into contact with ground again.

<u>**SHORTCUTS**</u>: Hold the green wire to ground to jump directly to a desired pattern.

Alternating Flash Pattern #	Simultaneous Flash Pattern #	Pattern Description	CPS	Phase 1 Shortcut	Phase 2 Shortcut
1	18	Flicker	1	3 Sec./1 Blink	9 Sec./3 Blinks
2	19	Fast Doubleflash	3.3		
3	20	Tripleflash	2.5		
4	21	Medium Doubleflash	2.0		
5	22	Fast Quadflash	2.0		
6	23	Quadflash *(Default pattern)* †	1	6 Sec./2 Blinks	12 Sec./4 Blinks
7	24	Quadflash w/Post-Pop †	1		
8	25	Singleflash †	1		
9	26	Doubleflash †	1		
10	27	Variable AKA Delta-Omega	0.3		
11	28	Post pop	1.4		
12	29	Random CPS	0.4		
13	30	Triple w/Pre-Pop †	1.0		
14	31	Quintflash	1.2		
15	32	Quintflash w/Pre-Pop †	1.0		
16	33	Doubleflash, Quadflash, w/Post-Pop	0.5		
17	34	Quadflash w/Post-Pop, Tripleflash, Flicker	0.4		
NA		Steady	NA	18 Sec./5 Blinks	

† - Approved patterns for SAE J845 when properly configured

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Learn more about emergency and warning lighting on our website.