



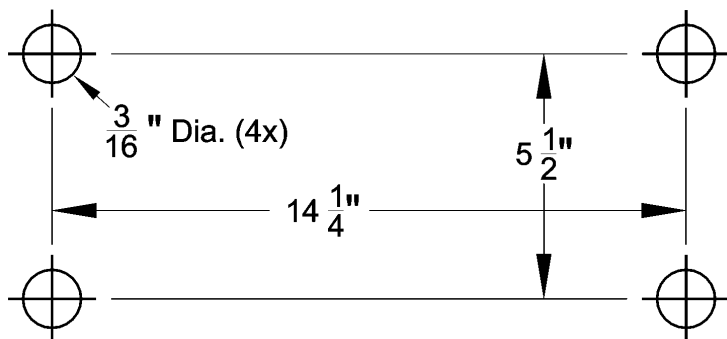
Please review all of the following requirements prior to installing the this light. Failure to follow these safety precautions and instructions could result in damage to the product or vehicle and could result in serious injury to you and your passengers.

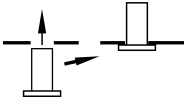
- Improper installation may result in serious injury, property damage, or death. The installer must have a good understanding of automotive electronics, systems, and procedures.
- If you are drilling any holes while mounting this light, please be sure to check both sides of the surface to ensure that 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 10A 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.

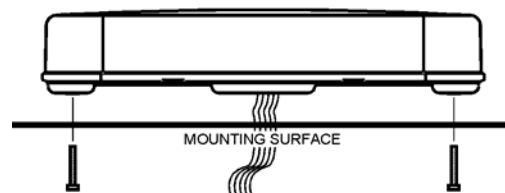


This light uses high-intensity LED lamps. DO NOT stare directly into the light while it is on, as momentary blindness and/or permanent eye damage may occur.

### Permanent Mounting Instructions



1. Mark the four mounting holes and drill a 3/16" hole each location.
2. Install the 4 threaded molly well nuts in each of the four holes found on the corners of the base of the light. 
3. Route your wires through the center hole (if applicable) and attach the light using the four enclosed bolts and tighten until snug.



### Magnet Mounting Instructions

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.



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.

## Hard Wire Instructions (Perm Mount Models)



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.**

**Black** - (Ground) Connect to the negative side of the battery.

**Purple** - (Optional - High/Low) Switches light between High and Low power.

- -Leave disconnected for High Power only (cover with wirenut or tape).
- -Connect to Ground for Low Power only.
- -Connect to Ground through a switch for High/Low switching option.

**White** - (Synchronization) Used to synchronize two lights together. If you are only installing one unit, cut the White wire short and tape the end. If you will be synchronizing two or more approved synchronizable lights, leave the white wire disconnected for now. Connect the white wires from both units together **ONLY AFTER PROGRAMMING** them for the **same** pattern (see Pattern Programming).

**Red** - (Power) Connect to +12-24 VDC through your switch. **Use a 10 amp fuse** when connecting the switch to the positive side of the power supply.

**Red w/Green** - (Pattern Select) Touch and release to +12-24 VDC to change patterns.

## Pattern Programming

Change flash pattern using one of the following methods:

- Touch and release Green wire to BAT - (Neg)/Ground (permanent mount versions only)
- Press and release Pattern Select switch on the cig plug



Note: After the pattern has been set, tape or place a wirenut over the end of the green wire to prevent it from coming into contact with ground.

<i>Hold For</i>	<i>Unit Blinks</i>	<i>Shortcut to</i>
3 seconds	1 time	Pattern 1
6 seconds	2 times	Pattern 6
9 seconds	3 times	Pattern 13
12 seconds	4 times	Pattern 16

Flash Pattern #	Pattern Type	Pattern List	CPS
1	K	Alternating Flicker †	1.0
2	L	Alternating Fast Doubleflash	3.3
3	M	Alternating Tripleflash	2.5
4	N	Alternating PSU Flicker	0.7
5	O	Alternating PSU Random	0.6
6	F	Alternating Quadflash ††	1.0
7	G	Alternating Quadflash w/Post-Pop	1.0
8	H	Alternating Singleflash	1.0
9	I	Alternating Doubleflash	1.0
10	J	Alternating Variable	0.3
11	C	Post Pop	1.4
12	E	Random	0.4
13	P	Alternating Quintflash †††	1.2
14	R	Alt. Fast Doubleflash, Alt. Flicker	N/A
15	S	Alt. Quad, Alt. Flicker, Alt. Double, Flicker	N/A
16	G	Sim. Quad w/Post Pop (Phase 1) ††††	1.0
17	G	Sim. Quad w/Post Pop (Phase 2)	1.0
18	U	Alt. Triple, Alt. Non-Synch Double, Alt. Quint, Flicker	N/A
19	V	Steady burn one side, Other side Single Flash	1.0
20	NONE	Cycle All	N/A

† = Programming Shortcuts 1, 2, 3, and 4 (see table above)

### Limited Warranty

Grote Industries, Inc. ("Grote") warrants its products to be free from defects in material and workmanship under normal use and service as set forth in this Limited Warranty. THIS LIMITED WARRANTY is the final, complete and exclusive expression of warranty to the purchaser and cannot be modified except in writing signed by an authorized officer of Grote.

### LED Five-Year Limited Warranty

Subject to the following conditions, Grote warrants to the original purchaser only (and not to anyone else) of each new LED product sold by Grote that any part thereof which proves to be defective in material or workmanship within five years from the date of manufacture will, at Grote's option, be repaired or replaced without charge upon return to Grote of the defective product, provided any defect in the product is brought to the attention of Grote within the warranty period, who alone will be authorized to furnish or arrange for repairs or replacements within the terms of this limited warranty.

The above limited warranty does not apply, and no warranty, either expressed or implied, shall be applicable (a) to damage resulting from accident, alteration, misuse or abuse; (b) if the product is not installed, operated and maintained according to procedures recommended by Grote; (c) if the serial number, date code, or other identifying marks affixed to the product by Grote are removed, obliterated or defaced. In no case shall the warranty be extended to defects in materials, components (which includes but not limited to bulbs), or services furnished by third parties nor to the installation of the product performed by third parties, except those performed by or on behalf of Grote authorized distributors. If any repairs are made, or any other parts are replaced during the warranty period, by any distributor other than a Grote distributor, in accordance with service manuals, parts, accessories, or attachments other than authorized by Grote for use in Grote's products, the purchaser shall pay for such repairs or parts without recourse against Grote, and Grote shall be relieved of responsibility for fulfillment of the warranty with respect to parts or components of all repairs, alterations, or replacements so made.

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### Non-Transferable

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### End User Responsibility:

Each user bears full responsibility for making their own determination as to the suitability of Grote materials, products, recommendations, or advice for their own particular use. Each user is ultimately responsible to identify and perform tests and analyses necessary to assure that its finished parts incorporating Grote products will be safe and suitable for use under end-user conditions. Nothing in this or any other document, nor any oral recommendation or advice, shall be deemed to alter, vary, supersede, or waive any provision of this Limited Warranty or this Disclaimer, unless any such modification is specifically agreed to in writing signed by a Grote Industries Representative.

### Warranty Return and Replacement Instructions

To be eligible for limited warranty consideration, either contact your Grote sales representative or call Grote customer service at 800.628.0809 (In Canada call 800.268.5612). Upon issuance of a returned goods authorization number, return the failed product, freight prepaid to: Warranty at Grote Industries, Inc., 2600 Lanier Drive, Madison, Indiana 47250. In Canada, return product, freight prepaid to: Warranty at Grote Industries Co., 230 Travail Road, Markham, Ontario L3S 3J1. Any product covered under the terms of the respective limited warranty will be replaced directly to the original consumer / purchaser only. Items received by Grote will not be returned unless accompanied by a specific written request. The product to be returned will be those items not covered under the warranty and will be returned to sender freight collect.

### Consumer Rights in Various States

This warranty gives you specific legal rights, and you may have other rights that vary from state to state. Some states do not allow limitations on how long an implied warranty lasts, so the above limitations may not apply to you. Further, some states do not allow the exclusion or limitation of incidental or consequential damages so the above limitation or exclusion may not apply to you.

If you have any questions concerning this product, please contact our Customer Solution's Group. In the US: 1-800-628-0809 and in Canada: 1-800-268-5612

If a product is to be returned for any reason, please contact our Customer Solutions Group at the numbers listed above to obtain and Return Goods Authorization number (RGA) before shipping the product back. The RGA must be clearly marked on the outside of the box/carton to ensure prompt and accurate service.



**United States:** 2600 Lanier Drive • Madison, Indiana 47250 • Phone: 800-628-0809 / 812-273-1296 • Fax: 812-265-8440

**Canada:** 230 Travail Road • Markham, Ontario L3S 3J1 • Phone: 800-268-5612 / 905-209-9744 • Fax: 800-267-9024