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Grote 52082

Grote 52082 Versalite Triple Pod Light

User Manual

1. Introduction

Thank you for choosing the Grote 52082 Versalite Triple Pod Light. This manual provides essential information for the proper installation, operation, and maintenance of your new light. Designed for durability and multi-functionality, this light is an integral component for vehicle safety and compliance. Please read this manual thoroughly before installation and use.

2. Safety Information

- Always disconnect the vehicle's battery before performing any electrical work to prevent short circuits and electrical shock.
- Ensure all wiring connections are secure and properly insulated to prevent corrosion and electrical hazards.
- Verify that the light is compatible with your vehicle's electrical system (12V DC).
- Mount the light securely to prevent detachment during vehicle operation.
- Refer to local and national regulations for proper vehicle lighting requirements.

3. Product Overview

The Grote 52082 Versalite Triple Pod Light is a robust, multi-functional lighting unit designed for rear vehicle applications. It integrates six essential functions into a single, compact unit: stop, tail, turn, clearance light, back-up light, and reflector. Its construction features corrosion-proof, shock-absorbing DURAMOLD™ material, ensuring long-lasting performance.

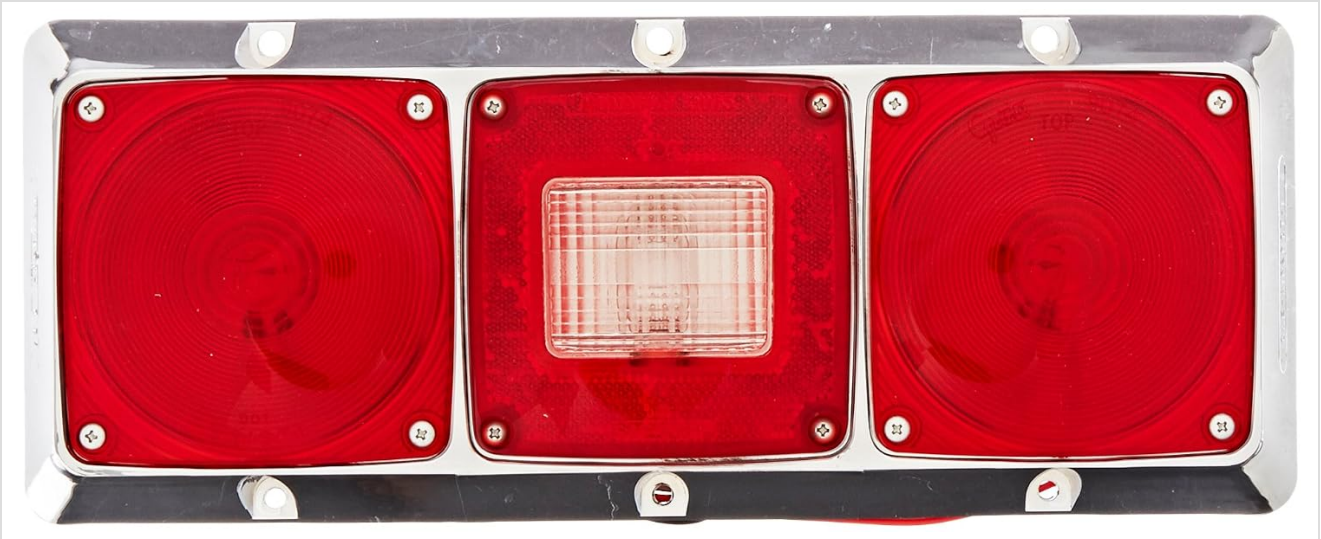


Figure 3.1: Front view of the Grote 52082 Versalite Triple Pod Light, showing the three red lenses and the central clear lens for the back-up light.

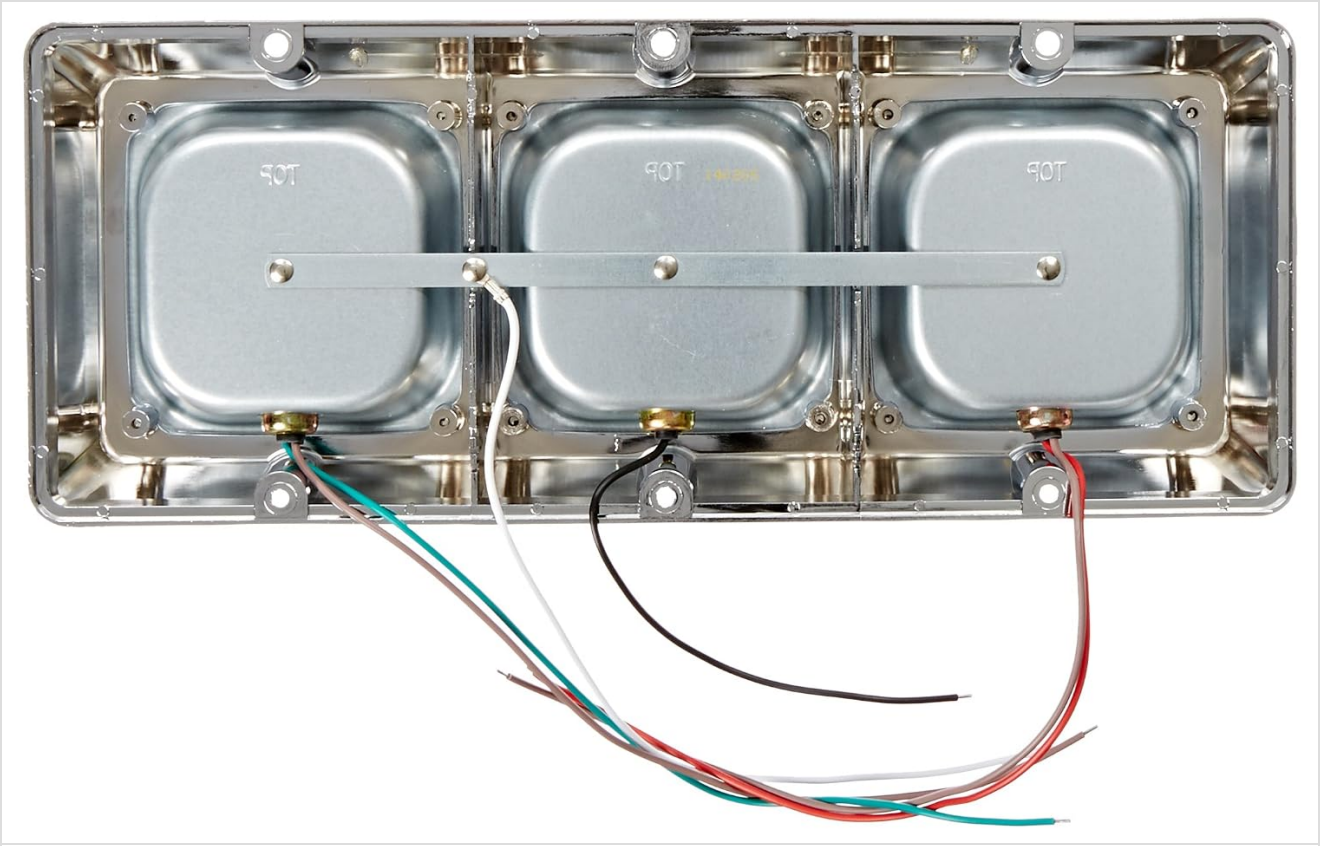


Figure 3.2: Rear view of the Grote 52082 Versalite Triple Pod Light, illustrating the surface mount points and the wiring harness for electrical connections.

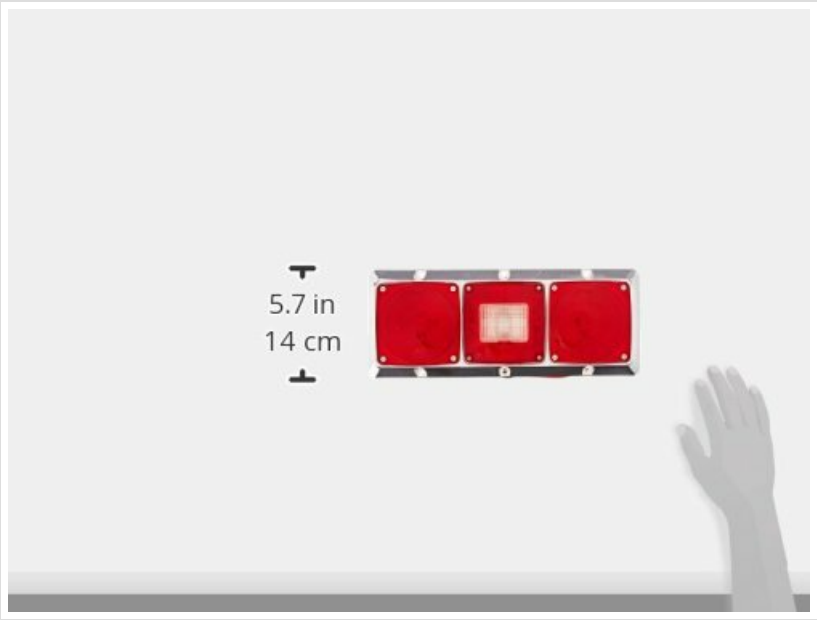


Figure 3.3: Diagram showing the approximate dimensions of the Grote 52082 Versalite Triple Pod Light, indicating a length of 14 cm (5.7 inches).

4. Setup and Installation

The Grote 52082 light is designed for surface mounting. Follow these steps for proper installation:

1. **Preparation:** Choose a flat, secure mounting surface on the rear of your vehicle. Ensure there is sufficient space for the light and access for wiring.
2. **Mounting:** Position the light and mark the drilling points for the mounting screws. Drill pilot holes if necessary. Secure the light firmly to the vehicle surface using appropriate fasteners.
3. **Wiring:** Connect the light to your vehicle's 12V electrical system. The light supports multiple functions, requiring specific wiring connections for each. Refer to the vehicle's wiring diagram and the light's technical specifications for correct connections.
    - For Stop/Tail/Turn functions, use bulb #1157.
    - For P2/T/I/S/R functions, use bulb #1156.

    Ensure all connections are clean, tight, and protected from moisture and abrasion.
4. **Testing:** After installation, test all light functions (stop, tail, turn, clearance, back-up, and reflector) to ensure they operate correctly before driving.

5. Operating Instructions

The Grote 52082 Versalite Triple Pod Light operates in conjunction with your vehicle's standard lighting controls. Once properly installed and wired, the light will perform its designated functions automatically when the corresponding vehicle controls are activated:

- **Tail Light:** Illuminates when the vehicle's headlights or parking lights are on.
- **Stop Light:** Activates when the brake pedal is pressed.
- **Turn Signal:** Flashes when the turn signal lever is engaged (left or right).
- **Clearance Light:** Functions as a marker light to indicate the vehicle's width.
- **Back-up Light:** Illuminates when the vehicle is shifted into reverse gear.
- **Reflector:** Provides passive visibility by reflecting light from other sources.

6. Maintenance

The Grote 52082 light is designed for minimal maintenance due to its durable DURAMOLD™ construction. However, regular checks can ensure optimal performance:

- **Cleaning:** Periodically clean the lens with a soft cloth and mild soap solution to remove dirt and grime that may obscure light output. Avoid abrasive cleaners.
- **Bulb Replacement:** If a bulb burns out, replace it with the correct type and wattage (e.g., #1157 for stop/tail/turn, #1156 for other functions). Access bulbs by carefully removing the lens assembly.
- **Wiring Inspection:** Annually inspect wiring connections for corrosion, fraying, or loose terminals. Secure or repair as needed.
- **Mounting Security:** Check the mounting screws periodically to ensure the light remains securely attached to the vehicle.

7. Troubleshooting

If you experience issues with your Grote 52082 light, consider the following:

Problem	Possible Cause	Solution
Light does not illuminate	Blown fuse, faulty bulb, loose wiring connection, no power to circuit.	Check vehicle's fuse box, replace bulb, inspect and secure wiring, test power supply.
Light is dim or flickers	Corroded connections, incorrect bulb, low voltage.	Clean connections, ensure correct bulb type, check vehicle's charging system.
Only some functions work	Specific bulb failure, incorrect wiring for a function.	Identify and replace the specific faulty bulb, verify wiring for the non-working function.

8. Specifications

Attribute	Detail
Model Number	52082
Brand	Grote
Material	DURAMOLD™ / Acrylic
Finish	White / Chrome
Functions	Stop, Tail, Turn, Clearance, Back-up, Reflector
Bulb Type (S/T/T)	#1157, 32/3 C.P.
Bulb Type (P2,T,I,S,R)	#1156, 32 C.P.
Voltage	12 V
Current Draw (1157)	4.2(I,S) / 1.18(T) AMP
Current Draw (1156)	1.18(P2,T) / 4.2(I,S) / 2.1(R) AMP
Lens Color	Red (90742 Reflex), White (90752)

Attribute	Detail
Mounting Type	Surface Mount
Dimensions (L x W x H)	37.85 x 16 x 6.1 cm (approx. 14.9 x 6.3 x 2.4 inches)
Item Weight	816 g (approx. 1.8 lbs)
Special Features	Waterproof, Corrosion-proof, Shock-absorbing

9. Warranty and Support

For information regarding product warranty, please refer to the warranty documentation included with your purchase or visit the official Grote website. For technical support, replacement parts, or further assistance, please contact Grote customer service directly. Contact details can typically be found on the manufacturer's website or product packaging.

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