

Volteck LAE-24D

Volteck LAE-24D Rechargeable Emergency Lamp User Manual

Model: LAE-24D | Brand: Volteck

1. INTRODUCTION

Thank you for choosing the Volteck LAE-24D Rechargeable Emergency Lamp. This lamp is designed to provide reliable illumination during power outages, ensuring safety and visibility. Featuring 24 high-efficiency LEDs and a rechargeable battery, it offers adjustable light intensity and automatic activation upon power failure. Please read this manual carefully before installation and operation to ensure proper use and extend the product's lifespan.

2. SAFETY INSTRUCTIONS

- Always disconnect the lamp from the power source before cleaning or maintenance.
- Do not expose the lamp to water or excessive humidity. This product is designed for indoor use only.
- Do not attempt to open or repair the lamp yourself. Refer all servicing to qualified personnel.
- Ensure the power outlet used for charging is easily accessible and properly grounded.
- Keep the lamp away from flammable materials and heat sources.
- Do not look directly into the LED lights when they are on, as this may cause eye strain.
- Dispose of the battery according to local regulations. Do not incinerate.

3. PRODUCT OVERVIEW

The Volteck LAE-24D emergency lamp features a durable ABS body and a polystyrene screen, designed for optimal light distribution and longevity. Its key components are detailed below:



Figure 3.1: Lamp Components. This image shows the Volteck LAE-24D emergency lamp with various parts labeled. Key components include the On/Test Button, Charge Indicator LED, In-Use Indicator LED, Fault Indicator LED, Directional Lamps (24 LEDs total, 12 per lamp), and the Lithium-Ion Battery. The directional lamps can be adjusted horizontally and vertically.

- **Directional Lamps:** Two adjustable lamp heads, each containing 12 LEDs, allowing for horizontal and vertical angle adjustment to direct illumination where needed.
- **On/Test Button:** Used to manually turn the lamp on/off or to test the battery and lamp functionality.
- **Charge Indicator LED:** Illuminates to show the charging status of the battery.
- **In-Use Indicator LED:** Indicates when the lamp is operating.
- **Fault Indicator LED:** Alerts to potential issues with the lamp or battery.
- **Lithium-Ion Battery:** Provides power for emergency operation and is rechargeable.
- **Power Cord Storage:** Integrated space to neatly hide the power cord when not in use or during emergency operation.

4. SETUP AND INSTALLATION

The Volteck LAE-24D emergency lamp can be placed on a flat surface or mounted on a wall. For optimal performance and safety, follow these installation guidelines:

4.1 Initial Charging

Before first use, fully charge the lamp for at least 24 hours. Plug the lamp into a standard electrical outlet. The Charge Indicator LED will illuminate during charging.

4.2 Wall Mounting (Optional)

The lamp features mounting slots on the back for wall installation. Choose a location that is easily accessible and provides adequate illumination coverage during an emergency.



Figure 4.1: Wall Mounting Slots. This image highlights the keyhole slots on the back of the lamp, designed for secure wall mounting using screws (not included).

1. Determine the desired mounting location. Ensure it is near a power outlet for continuous charging.
2. Mark the positions for two screws on the wall, matching the distance between the mounting slots on the lamp.
3. Drill pilot holes and insert appropriate wall anchors if necessary.
4. Insert screws into the wall, leaving the heads slightly protruding.
5. Align the lamp's mounting slots with the screw heads and slide the lamp downwards to secure it.
6. Plug the lamp into the power outlet.

5. OPERATING INSTRUCTIONS

5.1 Automatic Emergency Operation

The Volteck LAE-24D is designed to automatically activate its lights when the electrical power supply fails. When power is restored, the lamp will automatically turn off and resume charging.

5.2 Manual Operation / Test Function

Press the **On/Test Button** to manually turn the lamp on or to test its functionality. This button also allows you to cycle through the two light intensity modes:

- **High Intensity:** Provides maximum brightness (170 lumens) for extensive illumination.
- **Low Intensity:** Offers reduced brightness, extending battery life.

Press the button again to turn the lamp off. Regular testing (e.g., monthly) is recommended to ensure the battery and LEDs are functioning correctly.

5.3 Adjusting Lamp Heads

The two lamp heads can be independently adjusted to direct light horizontally or vertically. Gently pivot each lamp head to achieve the desired illumination angle.

6. MAINTENANCE

- **Cleaning:** Wipe the lamp's surface with a soft, dry cloth. Do not use abrasive cleaners or solvents.
- **Battery Care:** To prolong battery life, ensure the lamp is kept charged. If stored for extended periods, recharge the lamp every three months. The lamp features overcharge and discharge protection to extend battery lifespan.
- **Regular Testing:** Test the lamp monthly by pressing the On/Test button to ensure it functions correctly.

7. TROUBLESHOOTING

| Problem | Possible Cause | Solution |
|--|--|---|
| Lamp does not turn on during power outage. | Battery is not charged or is depleted. | Ensure the lamp is continuously plugged into a live power outlet. Allow 24 hours for initial charge. |
| Charge Indicator LED is off when plugged in. | No power to the outlet or faulty power cord. | Check the power outlet with another device. Inspect the power cord for damage. |
| Lamp lights are dim or flicker. | Low battery charge. | Recharge the lamp fully. |
| Fault Indicator LED is on. | Internal fault or battery issue. | Unplug the lamp, wait a few minutes, then plug it back in. If the issue persists, contact customer support. |

8. SPECIFICATIONS

| Feature | Detail |
|-------------------|-----------------------|
| Model Number | LAE-24D (46992) |
| Brand | Volteck |
| Light Source | 24 LEDs (12 per lamp) |
| Luminous Flux | 170 lumens |
| Wattage | 3.5 watts |
| Light Intensities | High and Low |
| Body Material | ABS |
| Screen Material | Polystyrene |

| Feature | Detail |
|----------------------|--|
| Power Source | Rechargeable Lithium-Ion Battery |
| Special Features | Automatic activation on power failure, Overcharge/Discharge protection, Adjustable directional lamps, Integrated power cord storage. |
| Dimensions (Approx.) | Length: 31 cm, Height: 14 cm, Depth: 6 cm |
| Weight (Approx.) | 715 g |



Figure 8.1: Product Dimensions. This image illustrates the approximate dimensions of the Volteck LAE-24D emergency lamp: 31 cm in length, 14 cm in height, and 6 cm in depth.

9. WARRANTY AND SUPPORT

The Volteck LAE-24D Emergency Lamp comes with a **3-year warranty** from the date of purchase, covering manufacturing defects. For warranty claims, technical support, or any inquiries, please contact Volteck customer service through the details provided on the product packaging or the official Volteck website. Please retain your purchase receipt as proof of purchase.

For more information, visit the official Volteck website or contact your local distributor.

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|  | <p><u>Installation Instructions for Volteck Electrical Products</u></p> <p>Step-by-step installation guide for Volteck electrical products, including safety warnings and best practices for wiring and mounting.</p> |
|  | <p><u>Volteck Installation Instructions and Safety Warnings</u></p> <p>Provides step-by-step installation instructions and essential safety warnings for Volteck products, emphasizing electrical safety and proper handling.</p> |
|  | <p><u>Volteck Electrical Product Installation Instructions</u></p> <p>Provides step-by-step instructions for installing Volteck electrical products, including safety warnings and best practices for optimal results.</p> |
|  | <p><u>Volteck Electrical Outlet Installation Instructions</u></p> <p>Step-by-step guide for installing a Volteck electrical outlet, including safety warnings and best practices for use.</p> |
|  | <p><u>Volteck Electrical Product Installation Guide</u></p> <p>Instructions for installing a Volteck electrical product, including safety warnings and connection steps.</p> |
|  | <p><u>Installation Instructions for Electrical Product</u></p> <p>Step-by-step installation guide for an electrical product, including safety warnings and product specifications. Covers wiring, mounting, and electrical safety precautions.</p> |

Documents - Volteck – LAE-24D

no relevant documents